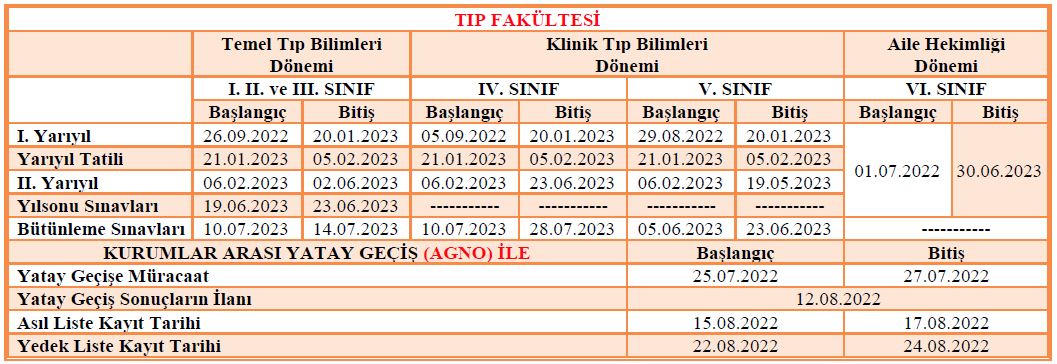


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**ATATÜRK UNIVERSITY FACULTY OF MEDICINE   
GRADUATE QUALIFICATIONS**



**TABLE OF CONTENTS**

[1. BASIC COMPETENCE AREA / Professıonal Practıces 6](#_Toc113349474)

[COMPETENCE 1. Healthcare Provider 6](#_Toc113349475)

[2. BASIC COMPETENCE AREA / Professıonal Values ​​and Approach 6](#_Toc113349476)

[COMPETENCE 2. Adopting Professional Ethics and Professional Principles 6](#_Toc113349477)

[COMPETENCE 3. Health Advocate 6](#_Toc113349478)

[COMPETENCE 4. Leader-Manager 6](#_Toc113349479)

[COMPETENCE 5. Team Member 6](#_Toc113349480)

[COMPETENCE 6. Communicator 7](#_Toc113349481)

[3. BASIC COMPETENCE AREA / Professıonal and Indıvıdual Development 7](#_Toc113349482)

[COMPETENCE 7. Demonstrating Scientific and Analytical Approach 7](#_Toc113349483)

[COMPETENCE 8. Lifelong Learning 7](#_Toc113349484)

[SESSION IV PEDIATRICS CLERKSHIP GUIDE 10](#_Toc113349485)

[SESSION IV PEDIATRICS CLERKSHIP PROGRAM - WEEKLY COURSE PROGRAM 20](#_Toc113349486)

[SESSION IV GENERAL SURGERY CLERKSHIP GUIDE 34](#_Toc113349487)

[SESSION IV INTERNAL MEDICINE CLERKSHIP GUIDE 47](#_Toc113349488)

[SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP GUIDE 67](#_Toc113349489)

[SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP GUIDE 80](#_Toc113349490)

[SESSION IV PEDIATRIC SURGERY CLERKSHIP GUIDE 91](#_Toc113349491)

[SESSION IV RADIOLOGY CLERKSHIP GUIDE 101](#_Toc113349492)

[SESSION IV FAMILY MEDICINE CLERKSHIP GUIDE 108](#_Toc113349493)

[SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP GUIDE 118](#_Toc113349494)

[SESSION V - PULMONARY DISEASES TRAINEE PROGRAM 127](#_Toc113349495)

[SESSION V CARDIOLOGY CLERKSHIP GUIDE 137](#_Toc113349496)

[SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP GUIDE 161](#_Toc113349497)

[SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP GUIDE 171](#_Toc113349498)

[SESSION V INFECTION DISEASES CLERKSHIP GUIDE 182](#_Toc113349499)

[SESSION V UROLOGY GUIDE 202](#_Toc113349500)

[SESSION V PSYCHIATRY CLERKSHIP GUIDE 211](#_Toc113349501)

[SESSION V NEUROLOGY CLERKSHIP GUIDE 222](#_Toc113349502)

[SESSION V NEUROSURGERY CLERKSHIP GUIDE 232](#_Toc113349503)

[SESSION V OPHTHALMOLOGY GUIDE 242](#_Toc113349504)

[SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP GUIDE 252](#_Toc113349505)

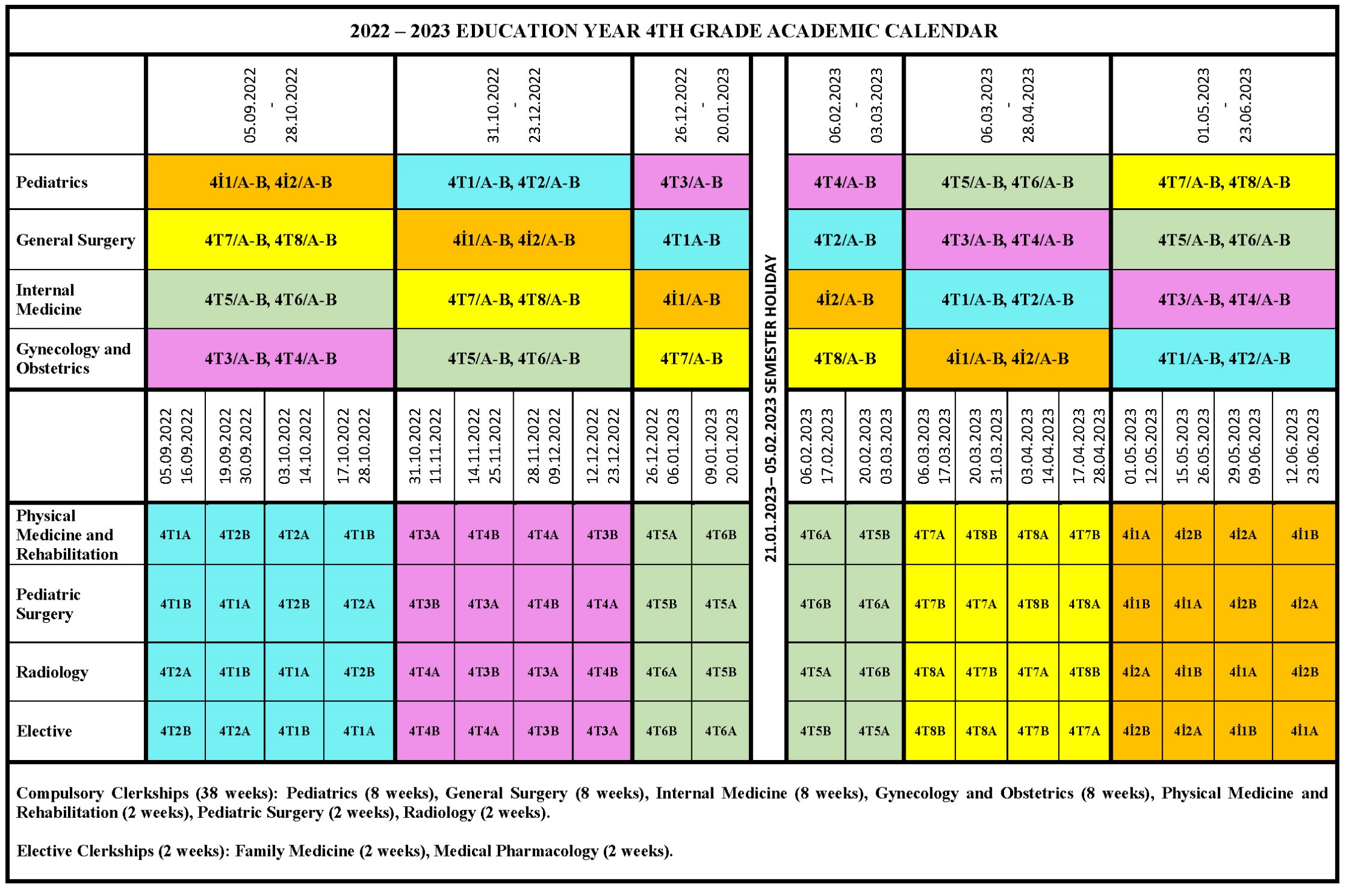
[SESSION V PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP GUIDE 263](#_Toc113349506)

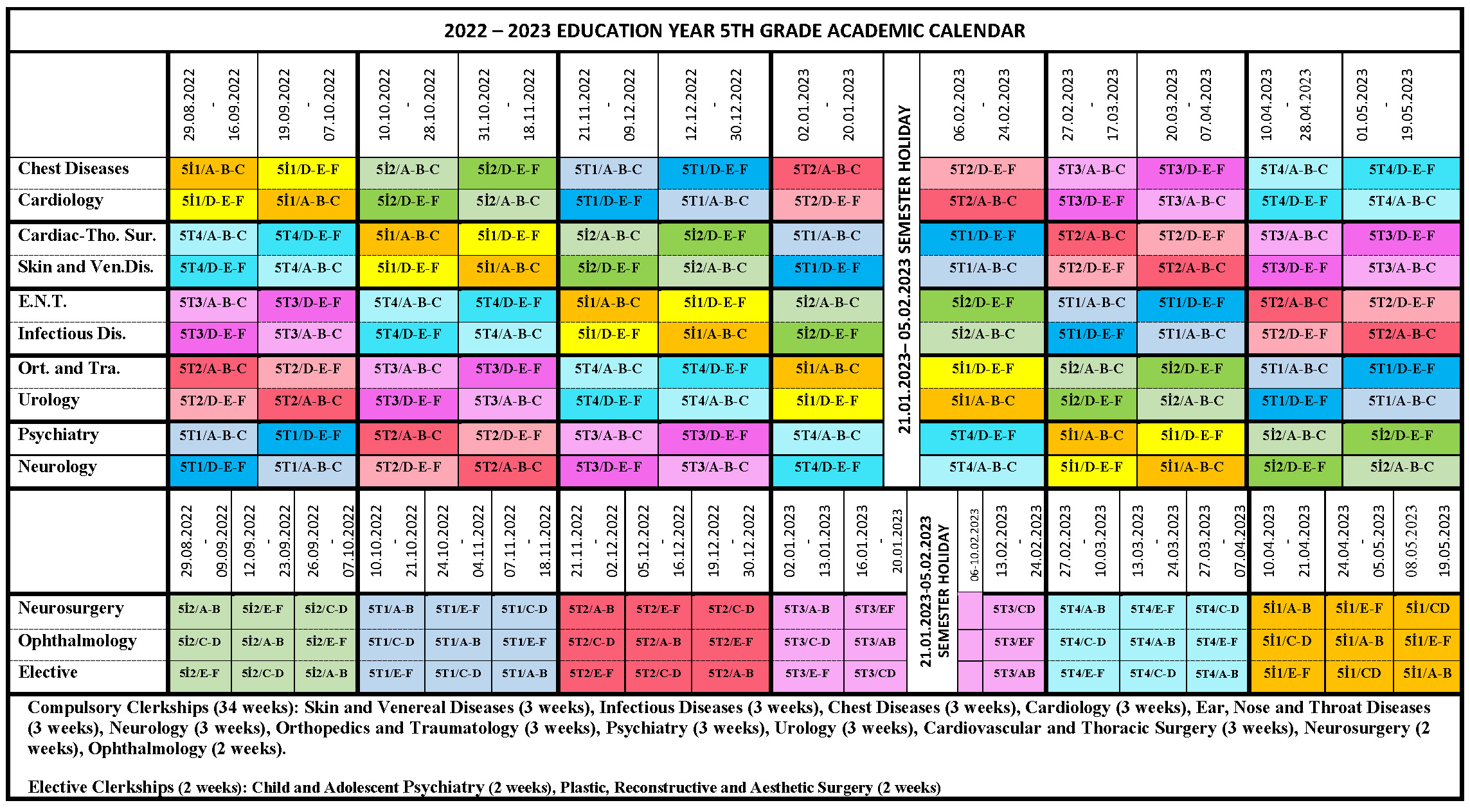
**NATIONAL COMPETENCIES AND PROFICIENCIES OF POSTGRADUATE STUDENTS OF   
ATATÜRK UNIVERSITY MEDICAL FACULTY**

|  |  |
| --- | --- |
| 1. BASIC COMPETENCE AREA / Professional Practices | |
| COMPETENCE 1. Healthcare Provider | |
| 1. | Integrates the knowledge, skills and attitudes acquired from basic and clinical medical sciences, behavioral sciences and social sciences and uses them in healthcare provision. |
| 2. | Shows a biopsychosocial approach in patient management, which takes into consideration the socio-demographic and socio-cultural background of the individual, regardless of language, religion, race and gender. |
| 3. | In the provision of health care, he/she prioritizes protecting and improving the health of individuals and society. |
| 4. | Taking into account the individual, social, and environmental factors affecting health, he/she performs the necessary studies to maintain and improve the health condition. |
| 5. | By recognizing the characteristics, needs and expectations of the target audience, he/she provides health education to healthy / sick individuals and their relatives and other health professionals. |
| 6. | Demonstrates a safe, rational and effective approach in health service provision, protection, diagnosis, treatment, follow-up and rehabilitation processes. |
| 7. | Performs interventional and / or non-invasive practices safely and effectively for the patient in diagnosis, treatment, follow-up and rehabilitation processes. |
| 8. | Provides health services by considering patient and employee health and safety. |
| 9. | In healthcare delivery, it considers both the regional and global physical and socioeconomic environment changes affecting health, as well as changes in the individual characteristics and behaviors of those applying to it. |

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| --- | --- |
| 2. BASIC COMPETENCE AREA / Professional Values ​​and Approach | |
| COMPETENCE 2. Adopting Professional Ethics and Professional Principles | |
| 10. | When conducting the profession, he/she considers good medical practices. |
| 11. | Fulfills his/her duties and obligations within the framework of ethical principles and rights and legal responsibilities required by teh profession. |
| 12. | Considering the integrity of the patient, he/she shows decisive behaviors in providing high quality health care. |
| 13. | Evaluates the performance, emotions and cognitive characteristics of his professional practices by considering them. |
| COMPETENCE 3. Health Advocate | |
| 14. | Advocates to improve health service delivery by considering the concepts of social reliability and social responsibility for the protection and development of public health. |
| 15. | Can plan and implement individual and community health service delivery, training and consultancy processes in cooperation with all components for health protection and development. |
| 16. | Evaluates the impact of health policies and practices on individual and community health indicators and advocates improving the quality of health services. |
| 17. | The physician attaches importance to protecting and improving his/her physical, mental and social health and does whatever is necessary for this. |
| COMPETENCE 4. Leader-Manager | |
| 18. | Demonstrates exemplary behavior and leads within the healthcare team during service delivery. |
| 19. | In the health institution he/she manages and uses resources in the planning, implementation and evaluation processes of health services cost-effectively, in accordance with the benefit of the society and the legislation. |
| COMPETENCE 5. Team Member | |
| 20. | Communicates positively within the healthcare team with which it provides services and assumes different team roles when necessary. |
| 21. | It is aware of the duties and obligations of the healthcare professionals in the healthcare team and acts accordingly. |
| 22. | Works in harmony and effectively with colleagues and other professional groups in their professional practices. |
| COMPETENCE 6. Communicator | |
| 23. | Communicates effectively with patients, relatives, healthcare professionals and other professional groups, institutions and organizations. |
| 24. | Communicates effectively with individuals and groups that require special approach and have different sociocultural characteristics. |
| 25. | In the diagnosis, treatment, follow-up and rehabilitation processes, it shows a patient-centered approach that shares the patient with decision-making mechanisms. |

|  |  |
| --- | --- |
| 3. BASIC COMPETENCE AREA / Professional and Individual Development | |
| COMPETENCE 7. Demonstrating Scientific and Analytical Approach | |
| 26. | Plans and implements scientific research, where necessary, for the population he/she serves and uses the results obtained and / or other research results for the benefit of society. |
| 27. | Reaches the current literature information about his profession and evaluates critically |
| 28. | Applies the principles of evidence-based medicine in the clinical decision making process. |
| 29. | Uses information technologies to increase the effectiveness of their studies on healthcare, research and education. |
| COMPETENCE 8. Lifelong Learning | |
| 30. | Effectively manages individual work processes and career development. |
| 31. | Demonstrates the skills to acquire, evaluate, integrate with existing information, apply to professional situations and adapt to changing conditions throughout his professional life. |
| 32. | Selects the right learning resources and organizes his/her own learning process to improve the quality of the health service he/she offers. |



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| SESSION IV PEDIATRICS CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED402 |  | **Type** | Compulsory |
| **Period** | 8 weeks |  | **ECTS** | 12 |

|  |  |
| --- | --- |
| **PEDIATRICS CLERKSHIP- Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Nelson Textbook of pedıatrıcs |
| **2.** | Yurdakök Pediatri |
| **3.** | Olcay Neyzi Pediatri |

|  |  |
| --- | --- |
| **PEDIATRICS CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. PEDIATRICS CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE PEDIATRICS CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis / diagnosis by evaluating the anatomy, physiological characteristics of children, the signs and symptoms of the diseases mentioned. |
|  | To be able to request the necessary laboratory tests and imaging tests in line with the preliminary diagnosis she has made to pediatric patients. |
|  | To be able to evaluate the laboratory tests and imaging tests required in line with the preliminary diagnosis it has made to pediatric patients. |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to perform emergency treatment by defining emergency situations in a child patient and to provide referral when necessary after emergency intervention and treatment. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship |

### 2. PEDIATRICS CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 5 | 4 | 4 | 2 | 5 | 3 | 4 | 5 | 5 | 3 | 4 | 5 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE PEDIATRICS CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the pedıatrıcs clerkship period

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PEDIATRICS CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | | |
| 1 | Asphyxia | 35 | Enuresis | 69 | Suspicious genitalia |
| 2 | Dry mouth | 36 | Color change in urine | 70 | Lymphadenopathy |
| 3 | Wound in the mouth | 37 | bBoating abdominals | 71 | Melena-hematemez |
| 4 | Low back and back pain | 38 | Chest pain | 72 | Micro-macrocephaly |
| 5 | amenorrhea | 39 | Chest wall anomalies | 73 | Edema |
| 6 | Anemia | 40 | Vision impairment / loss | 74 | Cough |
| 7 | Anorectal pain | 41 | weakness | 75 | Paresthesia |
| 8 | Anuria-oliguria | 42 | Hematoesia / rectal bleeding | 76 | Paresis, paralysis |
| 9 | Apnea | 43 | Hematuria | 77 | Pelvic pain |
| 10 | Fire | 44 | Hemoptysis | 78 | Petechia, purpura, ecchymosis |
| 11 | Dizziness | 45 | Hepatomegaly | 79 | Polydipsia |
| 12 | Headache | 46 | Wheezing (wheezing) | 80 | Polyuria |
| 13 | Consciousness changes | 47 | Hypertension | 81 | Pollacuria / Nocturia |
| 14 | Pain throat | 48 | Hypotension | 82 | Beginning puberty (early - late) |
| 15 | Mass in neck | 49 | Hypothermia / Hyperthermia | 83 | Pupil changes |
| 16 | Nausea and vomiting | 50 | Hirsutism | 84 | Jaundice |
| 17 | Runny nose / congestion | 51 | Urinary retention | 85 | Syncope |
| 18 | Nose bleeding | 52 | Chronic pain | 86 | Hoarseness |
| 19 | Growth ‐ developmental retardation | 53 | Seizures | 87 | Cyanosis |
| 20 | Palpitations | 54 | Gynecomastia | 88 | splenomegaly |
| 21 | Double vision | 55 | Constipation | 89 | Stridor |
| 22 | Clubbing | 56 | murmur in the heart | 90 | Tetan |
| 23 | Balance / movement problems | 57 | Tendency to bleed | 91 | Tremors |
| 24 | Skin rashes / lesions (maculopapular, bullous, vesicular) | 58 | Abdominal pain | 92 | Foreign body ingestion/ aspiration / ear / nose) |
| 25 | Skin and nail changes (dryness, discoloration, etc.) | 59 | Mass in the abdomen | 93 | Side pain |
| 26 | Encopresis | 60 | muscle weakness | 94 | Swallowing Difficulty |
| 27 | Dyspepsia | 61 | Eyebrow skeletal pain (waist, neck, back, hip and limb pain) |  |  |
| 28 | Dyspnea | 62 | Mass in the groin / scrotum |  |  |
| 29 | Diarrhea | 63 | Red eye (Eye rash) |  |  |
| 30 | Dysuria | 64 | overweight / excess |  |  |
| 31 | Joint pain / swelling | 65 | Weight loss |  |  |
| 32 | Movement restriction in joints | 66 | colic pain (kidney, biliary, intestine) |  |  |
| 33 | Suction difficulties | 67 | Learning disability |  |  |
| 34 | Movement disorders | 68 | Ear pain / discharge |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Pediatrics clerkship period.

|  |  |
| --- | --- |
| **PEDIATRICS CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1-Adrenocortical insufficiency  2-Lung Edema  3-Acute pancreatitis  4-Acute kidney damage  5-Acute glomerulonephritis  6-Acute pancreatitis  Allergic reaction  8-Anaphylaxis  9-Acid - base is for balance  10-Asthma  11-Food poisoning  12-Pertussis  13. bronchiolitis  14. Dehydration  15-Iron deficiency anemia  16-Diabetes mellitus and its complications  17-Asphyxia at birth  18-Fetal distress at birth  19-Enteric Fever  20-Epilepsy  21-Essential hypertension  22-Facial paralysis  23-Febrile convulsion  24 gastroenteritis  25-Gastroinstestinal congenital anomalies  26-Hepatic coma  27. hypoglycaemia  28-Intracranial hemorrhages  29-Vitamin K deficiency  30-For heart rhythm  31-Heart failure  32-Cardio mon pulmonary arrest  33-Crimea - Congo hemorrhagic fever  34-Koma  35-Chronic kidney disease  36-Laryngeal obstruction  37-Meningococcal diseases  38-Central nervous system infections  39-migraine  40-Oncological emergencies  41-pneumothorax  42-sepsis  43-For liquid and electrolyte balance  44-Respiratory failure  45-Shock  46-Tetanus  47-Urticaria and angioedema  48-Upper gastrointestinal bleeding  49-Common intravascular coagulation  50-Gastrointestinal system malformations in newborns  51-Convulsion in newborn  52-Necrotizing enterocolitis in newborn  53-Sepsis and meningitis in newborn  54-Respiratory difficulty in newborn  55-Hemorrhagic diseases of newborn  56-Poisoning |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1-Adrenocortical insufficiency  57-Aplastic anemia  58-Ataxic disorders  59-Familial Mediterranean fever  60-Cushing's disease  61-Childhood solid tumors  62-Diabetes insipitus  63-Diaphragmatic hernias  64-diphtheria  65-Birth Trauma  66-Congenital metabolic diseases  67-endocarditis  20-Epilepsy  68-Gastrointestinal tract motility is required  69-Guillain - Barré syndrome  70-hemoglobinopathies  71-Hemolytic anemia  72-Hemolytic uremic syndrome / Thrombotic Thrombocytopenic Purpura  73-hydrocephalus  74-Pituitary  75-Hypoparathyroidism  76-Hypotonic baby  77-Inflammatory bowel disease  78-Intrauterine growth retardation  79-Intrauterine infections  80-Irritable bowel disease  81-Blood conflicts  82- Bleeding profile (hemophilia, thrombocytopenia, etc.)  83-Eyebrow diseases (myopathies)  84-Bone tumors  85-Cystic fibrosis  86-Cholecystitis, Cholelithiasis  87-Congenital adrenal hyperplasia  88-Congenital heart diseases  89-Chromosome diseases (frequent display)  90-Chronic glomerulonephritis  91-Chronic hepatitis  92-Lymphoproliferative diseases  93-Leukemia  94-Malabsorption  95-Myocarditis / cardiomyopathy  96- Pericardial diseases  97-Pleural diseases  98-Portal hypertension  99-Pulmonary hypertension  100-Secondary hypertension  101-Cerebral palsy  102-Systemic Lupus Erythematosus  103-Sjögren's Syndrome  104 scleroderma  105-Vasculitis  106-Metabolic disorders in newborn |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 4-Acute kidney damage  5-Acute glomerulonephritis  107-Acute hepatitis  108- Acute rheumatic fever  109-Arthritis  110 Acid  13. bronchiolitis  111-Congenital structural anomalies  22-Facial paralysis  112-Henoch-Schönlein purpura  30-For heart rhythm  31-Heart failure  113-Participation vigil  33-Crimea - Congo hemorrhagic fever  35-Chronic kidney disease  39-migraine  114-Nephrotic syndrome  115-Diabetic mother baby  116-prematurity  43-For liquid and electrolyte balance  46-Tetanus  48-Upper gastrointestinal bleeding  117-Newborn jaundice |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 118-Lung tuberculosis  Allergic reaction  10-Asthma  12-Pertussis  119-Brucellosis  120-Functional constipation in the child  121-Vitamin D deficiency  14. Dehydration  15-Iron deficiency anemia  16-Diabetes mellitus and its complications  122-Rash rash infectious diseases  21-Essential hypertension  23-Febrile convulsion  24 gastroenteritis  123-Gastrointestinal system parasitoses  124-Hypothyroidism  125 Mumps  126-Congenital hypothyroidism  127-Malnutrition  128-Megaloblastic anemia  129-moniliasis  Water Foam Sprinklers-130  131-otitis media  132-Pneumonia  133-Urinary system infections  47-Urticaria and angioedema  134-Upper respiratory tract infections  135- Conjunctivitis in newborn |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 59-Familial Mediterranean fever  118-Lung tuberculosis  10-Asthma  120-Functional constipation in the child  121-Vitamin D deficiency  15-Iron deficiency anemia  16-Diabetes mellitus and its complications  66-Congenital metabolic diseases  20-Epilepsy  21-Essential hypertension  124-Hypothyroidism  80-Irritable bowel disease  30-For heart rhythm  31-Heart failure  82- Bleeding profile (hemophilia, thrombocytopenia, etc.)  126-Congenital hypothyroidism  35-Chronic kidney disease  127-Malnutrition  128-Megaloblastic anemia  39-migraine |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 118-Lung tuberculosis  4-Acute kidney damage  107-Acute hepatitis  108- Acute rheumatic fever  8-Anaphylaxis  10-Asthma  11-Food poisoning  12-Pertussis  119-Brucellosis  120-Functional constipation in the child  121-Vitamin D deficiency  14. Dehydration  15-Iron deficiency anemia  16-Diabetes mellitus and its complications  64-diphtheria  115-Diabetic mother baby  65-Birth Trauma  17-Asphyxia at birth  18-Fetal distress at birth  66-Congenital metabolic diseases  111-Congenital structural anomalies  122-Rash rash infectious diseases  67-endocarditis  19-Enteric Fever  20-Epilepsy  21-Essential hypertension  23-Febrile convulsion  24 gastroenteritis  123-Gastrointestinal system parasitoses  70-hemoglobinopathies  78-Intrauterine growth retardation  79-Intrauterine infections  80-Irritable bowel disease  Vitamin K deficiency  125 Mumps  31-Heart failure  81-Blood conflicts  82- Bleeding profile (hemophilia, thrombocytopenia, etc.)  33-Crimea - Congo hemorrhagic fever  85-Cystic fibrosis  126-Congenital hypothyroidism  89-Chromosome diseases (frequent display)  35-Chronic kidney disease  91-Chronic hepatitis  127-Malnutrition  128-Megaloblastic anemia  37-Meningococcal diseases  39-migraine  129-moniliasis  Water Foam Sprinklers-130  131-otitis media  132-Pneumonia  116-prematurity  43-For liquid and electrolyte balance  46-Tetanus  133-Urinary system infections  47-Urticaria and angioedema  134-Upper respiratory tract infections  117-Newborn jaundice  135- Conjunctivitis in Newborn  51-Convulsion in newborn  106-Metabolic disorders in newborn  56-Poisoning |
|  | |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Pediatrics period.

|  |  |
| --- | --- |
| **PEDIATRICS CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. Ability to perform lumbar puncture |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 2. Newborn vitalization  3. To be able to measure and evaluate bleeding time |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 4. Head ‐ neck and ENT examination  5. To be able to follow the growth and development in children (percentile curves, Tanner rating)  6. Neurological examination  7. Capturing and evaluating ECG  8. To be able to make and evaluate peripheral smear  9. To interpret the results of screening and diagnostic purposes  10. Measurement and evaluation of transcutaneous bilirubin  11. "Airway" application  12. To be able to take care of the baby after birth  13. Intubation  14. Ability to remove the foreign body in the airway with the appropriate maneuver  15. Ability to insert urinary catheter  16. Being able to take samples for culture  17. Enema making  18. Being able to wash the stomach  19. Minimental status examination  20. To be able to apply nasogastric catheter  21. To be able to apply PPD test  22. To be able to take measures to prevent healthcare related infections |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 23. General and Problem Based History  24. Being able to evaluate your mental state  25. Anthropometric Measurements  26. Abdominal Examination  27. Child and Newborn Examination  28. Skin Inspection  29. General Status and Evaluation of Vital Signs  30. Cardiovascular System Examination  31. Respiratory System Examination  32. Preparing the Patient File  33. Providing Decontamination, Disinfection, Sterilization, Antisepsis  34. Measuring and Evaluating Blood Sugar by Measuring Sugar  35. Rational Drug Use  36. Hand Wash  37. Evaluation of Glasgow Coma Scale  38. Giving the Patient a Coma Position  39. Measuring Blood Pressure  40. Capillary Blood Sample Ability  41. Oxygen and Nebul - Inhaler Treatment Can Be Applied  42. Applying Cervical Collar (Neck Collar)  43. Ability to Provide Proper Protection and Transport for Cold Chain  44. Providing Basic Life Support  45. Heel Blood Collection  46. ​​Execution of Vaccination Services  47. Teaching the Right Breastfeeding Methods  48. Consciousness Evaluation  49. Ability to Apply Defibrillation  50. To be able to apply and evaluate Pulse Oximeter  51. Complete urine analysis (including microscopic examination) and evaluate  52. Newborn metabolic and endocrine disease screening program |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Pediatrics clerkship period

|  |  |
| --- | --- |
| **PEDIATRICS CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | 25. Health situations  a. Nutrition  h. Maternal and child health  l. immunization |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Pediatrics clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **PEDIATRICS CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. Patient rights, physician responsibility, patient-physician relationship.  5. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  6. Work culture in coordination with other members of the team and disciplines  7. Being able to share their knowledge and professional experience with other members of the team, |

### 4. PEDIATRICS CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
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| **SESSION IV PEDIATRICS CLERKSHIP PROGRAM - WEEKLY COURSE PROGRAM** | | | |
| **DAYS** | **SUBJECT OF THE LESSON** | **LESSON TIME** | **TEACHING STAFF** |
| **Monday** | **1. WEEK** | | |
| Information about internship and ethical and professional values ​​in clinical practice | 08.30-09.30 | Zerrin ORBAK, MD,Proff. |
| Medical history and vital findings | 09.30-10.15 | H.DÖNERAY,MD,Proff. |
| Head and neck diseases | 10.30-12.00 | Mustafa KARA MD, Assoc.Proff |
| Well-child visits | 13.30-14.15 | Handan ALP,MD,Proff. |
| Respiratory System Assessment | 14.30-15.15 | H.DÖNERAY,MD,Proff. |
| Practical course of basic medical practice-1   * Respiratory system examination * Monitor growth and development in children (percentile, Tanner) * Making a PPD test | 15.30-16.15 | H.DÖNERAY,MD,Proff. |
| independent working hours | 16.15-17.00 |  |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| Pneumonia | 13.30-14.15 | Handan ALP,MD,Proff. |
| Skin and lymph node Assessment | 14.30-15.15 | Mustafa KARA MD, Assoc.Proff |
| Practical course of basic medical practice **-2**   * Head and neck- Skin and lymph node examination * Measurement of transcutaneous bilirubin * Heel Blood * breastfeeding technique * Newborn metabolic and endocrine disease screening program | 15.30-16.15 | Mustafa KARA MD, Assoc.Proff |
| independent working hours | 16.15-17.00 |  |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Upper Respiratory Tract Infections | 10.30-12.00 | Naci CEVİZ, MD,Proff. |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| independent working hours | 16.15-17.00 |  |
|
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Obstructive Airway Diseases, Croup syndromes | 10.30-12.00 | Handan ALP, MD, Proff. |
| Neurologic system Assessment | 13.30-15.15 | Hüseyin TAN, MD, Proff. |
| Practical course of basic medical practice **-4**   * Neurologic system examination * Consciousness and mental state assessment * GKS Assesment | 15.30-16.15 | Hüseyin TAN,MD,Proff. |
|
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Rash-causing diseases | 10.30-12.00 | M.Akif Güler. MD,Assist.Proff |
| Arrhythmias | 13.30-14.15 | Naci CEVİZ,MD,Proff. |
| İndependent working hours | 14.15-15.30 |  |
| Practical course of basic medical practice **-5**   * Gastrointestinal system examination * Enema application * Wash the stomach * Nazogastric catheter application | 15.30-16.15 | Fuat LALOĞLU MD, Assist. Proff |
|  | İndependent working hours | 16.15-17.00 |  |
| **Monday** | **2. WEEK** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Rickets | 10.30-12.00 | Zerrin ORBAK, MD,Proff. |
| Newborn | 13.30-14.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| Cardiovascular System Assessment | 14.30-15.15 | Naci CEVİZ,MD,Proff. |
| Practical course of basic medical practice **-6**   * Cardiovascular System Examination * ECG shooting and evaluation * Defibrillation application | 15.30-16.15 | Naci CEVİZ,MD,Proff. |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| NRP(Newborn resuscitation) | 13.30-15.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| Practical course of basic medical practice **-7**   * Examination of newborn * Postnatal baby care * Application and evaluation of pulse oximetry * Newborn resuscitation | 15.30-16.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Acute Glomerulonephritis | 10.30-12.00 | Celalettin KOŞAN,MD,Proff. |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Diabetes Mellitus | 10.30-12.00 | Zerrin ORBAK, MD,Proff. |
| DIC+ Oncologic Emergencies | 13.30-14.15 | Zafer BIÇAKÇI, MD,Proff. |
| Practical course of basic medical practice **-9**   * Measurement and evaluation of bleeding time * Capillary blood samples * Peripheral smear evaluation | 14.30-15.15 | Zafer BIÇAKÇI, MD,Proff. |
| A.Bronchiolitis and wheezy child | 15.30-16.15 | Handan ALP,MD,Proff. |
| İndependent working hours | 16.15-17.00 |  |
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Salmonellosis –Shigellosis-Brucellosis | 10.30-12.00 | Fuat LALOĞLU MD, Assist. Proff |
| Urinary infections | 13.30-15.15 | Celalettin KOŞAN, MD,Proff. |
| Practical course of basic medical practice**-10**   * Urinary catheterization * Blood pressure measurement | 15.30-16.15 | M.Akif Güler. MD,Assist.Proff |
| **Monday** | **3. WEEK** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.00 | TEACHING STAFF |
| Tuberculosis | 10.30-12.00 | H.DÖNERAY,MD, Proff. |
| Short Stature | 13.30-15.15 | Zerrin ORBAK, MD,Proff. |
| Practical course of basic medical practice **-11**   * Anthropometric measurements * blood glucose measurement and evaluation * Evaluating screening results | 15.30-16.15 | Zerrin ORBAK, MD,Proff. |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| otitis - mumps | 13.30-14.15 | M.Akif Güler. MD,Assist.Proff |
| Practical course of basic medical practice **-12**   * Decontamination, disinfection, sterilization, antisepsis * take measures to prevent infections * Sampling for culture * Hand washing * Being able to evaluate complete urine analysis (including microscopic examination) | 14.30-15.15 | M.Akif Güler. MD,Assist.Proff |
| İndependent working hours | 16.15-17.00 |  |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Breastfeeding and nutrition | 10.30-12.00 | Zerrin ORBAK, MD,Proff. |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Sepsis- shock | 10.30-12.00 | Halil Keskin,MD, Assoc.Proff |
| Epilepsia | 13.30-15.15 | Hüseyin TAN,MD,Proff. |
| Kawasaki disease | 15.30-16.15 | Naci CEVİZ,MD,Proff. |
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Acute Kidney Failure | 10.30-12.00 | M.Akif Güler. MD,Assist.Proff |
| Cystic Fibrosis | 13.30-14.15 | Handan ALP,MD,Proff. |
| Crimean Congo Hemorrhagic Fever | 14.30-15.15 | M.Akif Güler. MD,Assist.Proff |
| İndependent working hours | 15.30-17.00 |  |
| **Monday** | **4. Week** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Convulsions | 10.30-12.00 | Hüseyin TAN,MD,Proff. |
| Pubertal disorders | 13.30-15.15 | H.DÖNERAY,MD,Proff. |
| Practical course of basic medical practice **-3**   * Evaluate vital signs * Preparing a patient file * lumbar puncture | 15.30-16.15 | Mustafa KARA MD, Assoc.Proff |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| Acute rheumatic fever | 13.30-15.15 | Fuat LALOĞLU MD, Assist. Proff |
| Intrauterine infections | 15.30-16.15 | K.Ş. TEKGÜNDÜZ, MD. Proff. |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Asthma | 10.30-12.00 | Handan ALP, MD, Proff. |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Anemia in children | 10.30-12.00 | Zafer BIÇAKÇI, MD,Proff. |
| Intrauterine growth reterdation, properties of prematur | 13.30-15.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| Necrotizan enterocolite | 15.30-16.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Diphtheria-tetanus-Pertusis | 10.30-12.00 | M.Akif Güler. MD, Assist. Proff |
| Neonatal sepsis and meningitis | 13.30-15.15 | Mustafa KARA MD, Assoc.Proff |
| Cerebral palsy | 15.30-16.15 | Hüseyin TAN,MD,Proff. |
| **Monday** | **5. WEEK** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Solid tumours | 10.30-12.00 | Zafer BIÇAKÇI, MD,Proff. |
| Infant of diabetic mother | 13.30-15.15 | H.DÖNERAY,MD,Proff. |
| Encephalitis | 15.30-16.15 | Hüseyin TAN,MD,Proff. |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| Neonatal convulsions | 13.30-15.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| Anaphylaxis | 15.30-16.15 | Halil Keskin,MD,Assoc.Proff |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Respiratory disorders in the newborn | 10.30-12.00 | Mustafa KARA MD, Assoc.Proff |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Hemorrhagic diathezis and hemophilia | 10.30-12.00 | Zafer BIÇAKÇI, MD,Proff. |
| Fluid and electrolyte regulation, acid-base imbalance | 13.30-15.15 | Zerrin ORBAK, MD,Proff. |
| Celiac Disease | 15.30-16.15 | Zafer BIÇAKÇI, MD,Proff. |
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Neonatal hyperbilirubinemias | 10.30-12.00 | Mustafa KARA MD, Assoc.Proff |
| Acute Diarrhea, Dehydration | 13.30-15.15 | M.Akif Güler. MD, Assist.Proff |
| Lymphoma | 15.30-16.15 | Zafer BIÇAKÇI, MD,Proff. |
| **Monday** | **6. WEEK** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Newborn Emergency and Metabolic Problems | 10.30-12.00 | Mustafa KARA MD, Assoc.Proff |
| Connective tissue diseases | 13.30-15.15 | Celalettin KOŞAN,MD,Proff. |
| Evaluation of growth and examination for adolescences | 15.30-16.15 | H.DÖNERAY,MD,Proff. |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| Malnutrition | 13.30-15.15 | H.DÖNERAY,MD,Proff. |
|  | Intoxication | 15.30-17.15 | Halil Keskin,MD,Assoc.Proff |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Perinatal asphyxia | 10.30-12.00 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Nephrotic syndromes | 10.30-12.00 | Celalettin KOŞAN,MD,Proff. |
| Heart failure | 13.30-15.15 | Naci CEVİZ,MD,Proff. |
| Practical course of basic medical practice **-8**   * “Airway” Application * İntubation Application * Give the patient a coma position * Removing the foreign body in the airway with the proper maneuver * Cervical collar application * Basic Life Support | 15.30-16.15 | Halil Keskin,MD,Assoc.Proff |
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Genetic Disorders | 10.30-12.00 | Zerrin ORBAK,MD,Proff. |
| Familial Mediterranean fever(FMF) | 13.30-15.15 | Handan ALP,MD,Proff. |
| Kardiyo Pulmoner Arrest | 15.30-16.15 | Halil Keskin,MD,Assoc.Proff |
| **Monday** | **7. WEEK** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Adrenal Gland disorders | 10.30-12.00 | Zerrin ORBAK, MD,Proff. |
| Hepaititis and Hepatic Coma | 13.30-15.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| Using antibiotics wisely | 15.30-16.15 | Halil Keskin,MD,Assoc.Proff |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Case presentation and evaluation on the basis of case | 10.30-12.00 | TEACHING STAFF |
| Newborn Anomalies | 13.30-15.15 | Mustafa KARA MD, Assoc.Proff. |
| Practical course of basic medical practice **-13**   * Application of oxygen and nebulous inhaler therapy * Cold chain transportation. * Immunization Application | 15.30-16.15 | Handan ALP,MD,Proff. |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Birth trauma | 10.30-12.00 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| ELECTIVE / FREELANCE | 13.30-17.00 |  |
| **Thursday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Chronic Kidney Disease | 10.30-12.00 | M.Akif Güler. MD,Assist.Proff |
| Congenital Heart Disease | 13.30-15.15 | Fuat LALOĞLU MD, Assist. Proff |
| İmmunization-2 | 15.30-17.15 | Handan ALP,MD,Proff. |
| **Frıday** | Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.30 | TEACHING STAFF |
| Vasculitis-Henoch- Shönlein Purpura | 10.30-12.00 | Handan ALP,MD,Proff. |
| Guillain–Barré syndrome and poliomyelitis | 13.30-14.15 | Hüseyin TAN,MD,Proff. |
| Headache- migraine | 14.30-15.15 | Hüseyin TAN,MD,Proff. |
| Coma | 13.30-14.15 | Hüseyin TAN,MD,Proff. |
| **Monday** | **8. WEEK** | | |
| Clinical studies in service | 08.00-09.00 |  |
| Visit | 09.00-10.00 | TEACHING STAFF |
| Carditis | 10.00-10.45 | Fuat LALOĞLU MD, Assist. Proff |
| Leukemia | 11.00-12.00 | Zafer BIÇAKÇI, MD,Proff. |
| Premature Infant | 13.30-14.15 | K.Ş. TEKGÜNDÜZ,MD,Proff. |
| Menengitis, Meningococcemia | 14.30-16.15 | Halil Keskin,MD,Assoc.Proff |
| **Tuesday** | Clinical studies in service | 08.00-09.00 |  |
| İmmunization-1 | 10.30-12.00 | Handan ALP,MD,Proff. |
| Parasitosis | 13.30-15.15 | Naci CEVİZ,MD,Proff. |
| Hypertension | 15.30-16.15 | Celalettin KOŞAN, MD,Proff. |
| **Wednesday** | Clinical studies in service | 08.00-09.00 |  |
| Chronic diarrhea, Cow’s milk allergy | 09.00-10,30 | Fuat LALOĞLU MD, Assist. Proff |
| Common metabolic diseases | 10.30-12.00 | Zerrin ORBAK, MD, Proff. |
|
| Clinical studies in service | 13.30-17.00 |  |
| **Thursday** | Exam (Physical examination and oral examination) | 09.00 |  |
| **Frıday** | Test examination | 09.00 |  |
| Post-internship feedback meeting | 15.30 |  |

### 5. MATCHING PEDIATRICS CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| **MATCHING PEDIATRICS CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| PED001 | Information about internship and ethical and professional values ​​in clinical practice | Zerrin ORBAK, MD, Proff. | 1 |  |  |  |  |  |
| PED002 | Post-internship feedback meeting | Zerrin ORBAK, MD, Proff | 1 |  |  |  |  |  |
| PED003 | Diabetes Mellitus | Zerrin ORBAK, MD, Proff. | 2 |  | 2, 41, 65  79, 80 | 9, 16, 27 |  |  |
| PED004 | Height Shortenings | Zerrin ORBAK, MD, Proff | 2 |  | 19 | 74, 75, 124 |  |  |
| PED005 | Common Metabolic Diseases | Zerrin ORBAK, MD, Proff. | 2 |  | 16, 36, 45, 53, 60, 67 | 66 |  |  |
| PED006 | Liquid-Electrolyte and Acid-Base Balance | Zerrin ORBAK, MD, Proff | 2 |  | 1, 2, 13, 41, 53, 79, 80 | 1, 9, 16, 43, 63 |  |  |
| PED007 | Rickets | Zerrin ORBAK, MD, Proff. | 2 |  | 34, 39, 53, 61, 90, 91 | 75, 121 |  |  |
| PED008 | Adrenal Diseases | Zerrin ORBAK, MD, Proff | 2 |  | 10, 13, 16, 41, 48 | 1, 43, 60, 87 |  |  |
| PED009 | Asthma | Handan ALP, MD, Proff. | 2 |  | 1, 28, 74, 87 | 10, 44 |  |  |
| PED010 | Immunization | Handan ALP, MD, Proff. | 4 |  |  | 124 | 46 | 25-l |
| PED011 | Familial Mediterranean Fever (FMF) | Handan ALP, MD, Proff. | 2 |  | 3, 10, 31, 32, 52, 58 | 59, 109 |  |  |
| PED012 | Pneumonia | Handan ALP, MD, Proff. | 1 |  | 1, 4, 10, 28, 46,  74, 87, 93 | 44, 97, 132 |  |  |
| PED013 | Acute Bronchiolitis and Wheezing Child | Handan ALP, MD, Proff. | 1 |  | 1, 9, 10, 28, 46, 74  87, 92 | 13, 44 |  |  |
| PED014 | Obstructive Respiratory Diseases (Croup Syndrome) | Handan ALP, MD, Proff. | 2 |  | 1, 9, 10, 74, 86  89, 92 | 36 |  |  |
| PED015 | Vasculitis-Henoch Shönlein Purpura | Handan ALP, MD, Proff. | 2 |  | 8, 10, 16, 31,  32, 36, 41, 43, 58,  78 | 109, 112 |  |  |
| PED016 | Healthy Child Monitoring | Handan ALP, MD, Proff. | 1 |  | 34, 67 | 124 |  | 25-a, h |
| PED017 | Anamnesis and Vital Findings | Cahit KARAKELLEOĞLU,MD, Prof. | 1 |  | 4, 34, 36, 37, 52, 53, 93, 94 | 15, 45 |  |  |
| PED018 | Meningitis- Meningococemia | Cahit KARAKELLEOĞLU, MD, Proff. | 2 |  | 9, 10, 12, 13  16, 53 | 1, 37, 38 |  |  |
| PED019 | Salmonella- Shigella- Brucellosis | Cahit KARAKELLEOĞLU, MD, Proff. | 2 |  | 10, 16, 29, 31, 32  41, 52, 58, 61 | 19, 24, 119 |  |  |
| PED020 | Parasites | Cahit KARAKELLEOĞLU, MD, Proff. | 2 |  | 16, 27, 41, 42  58, 65, 66 | 123 |  |  |
| PED021 | Genetic Diseases | Cahit KARAKELLEOĞLU, MD, Proff. | 2 |  | 53, 67 | 89 |  |  |
| PED022 | Hepatitis and Hepatic Coma | Cahit KARAKELLEOĞLU, MD, Proff. | 2 |  | 10, 13, 16, 18, 41, 57, 58, 84 | 26, 91, 107 |  |  |
| PED023 | Rash Diseases | Cahit KARAKELLEOĞLU, MD, Proff. | 2 |  | 3, 10, 14, 18, 24, 25, 36, 41 | 122 |  |  |
| PED024 | Congenital Heart Diseases | Fuat LALOĞLU MD, Assist. Proff | 2 |  | 22, 28, 33, 47, 48, 56, 85, 87 | 30, 31, 88, 99 |  |  |
| PED025 | Carditis | Fuat LALOĞLU MD, Assist. Proff | 1 |  | 28, 38, 41, 56, | 30, 31, 67, 95, 96 |  |  |
| PED026 | Kawasaki | Naci CEVIZ, MD, Proff. | 1 |  | 10, 24, 63, 70 | 105 |  |  |
| PED027 | Acute Rheumatic Fever | Fuat LALOĞLU MD, Assist. Proff | 1 |  | 10, 28, 31, 32, 52 | 30, 31, 108 |  |  |
| PED028 | Arrhythmias | Naci CEVIZ, MD, Proff. | 1 |  | 20, 28, 38, 85 | 30, 31 |  |  |
| PED029 | Upper respiratory infections | Naci CEVIZ, MD, Proff. | 2 |  | 10, 14, 74, 94 | 36, 134 |  |  |
| PED030 | Cardiovascular system examination | Naci CEVIZ, MD, Proff. | 1 |  | 28, 22, 31, 32, 33, 38, 39, 56, 87 | 30, 31, 45, 67, 95, 99 |  |  |
| PED031 | Heart failure | Naci CEVIZ, MD, Proff. | 2 |  | 20, 28, 33, 38, 41, 45, 46, 47, 48, 73, 74, 87 | 30, 31, 45, 67, 95 |  |  |
| PED032 | Acute Glomerulonephritis | Celalettin KOŞAN, MD, Proff. | 2 |  | 4, 6, 8, 10, 12, 13,  16, 36, 41, 43, 49, 58  64, 73, 93 | 4, 5, |  |  |
| PED033 | Acute Renal Insufficiency | M.Akif Güler. MD, Assist.Proff | 2 |  | 8, 13, 16, 24, 28, 29, 36, 41, 49, 58, 66, 78, 79, 80,  93 | 2, 4 |  |  |
| PED034 | Chronic Renal Insufficiency | M.Akif Güler. MD, Assist.Proff | 2 |  | 4, 6, 8, 13, 19, 41  43, 49, 58, 79.80, 90, 93 | 2, 9, 15, 35, 90 |  |  |
| PED035 | Hypertension | Celalettin KOŞAN, MD, Proff. | 1 |  | 11, 12, 13, 20  49, 53, 58, 85 | 21, 90, 100 |  |  |
| PED036 | Nephrotic Syndromes | Celalettin KOŞAN, MD, Proff. | 2 |  | 37, 64, 73 | 2, 110, 114 |  |  |
| PED037 | Urinary Infections | Celalettin KOŞAN, MD, Proff. | 2 |  | 4, 16, 30, 35, 36, 43  51, 55, 58, 66  81, 93 | 133 |  |  |
| PED038 | Collagen Tissue Diseases | Celalettin KOŞAN, MD, Proff. | 2 |  | 4, 31, 32, 52 | 102, 103, 104, 105, 109 |  |  |
| PED039 | Respiratory System Examination | H.DÖNERAY, MD, Proff. | 1 |  | 1, 17, 38, 44, 46, 74  86, 87, 94 | 2, 10, 36, 41, 44 |  |  |
| PED040 | Puberty Disorders | H.DÖNERAY, MD, Proff. | 2 |  | 5, 19, 50, 54, 82 | 54, 124 |  |  |
| PED041 | Diabetic Mother Baby | H.DÖNERAY, MD, Proff. | 2 |  | 13, 64 | 16, 27, 115 |  |  |
| PED042 | Tuberculosis | H.DÖNERAY, MD, Proff. | 2 |  | 10, 41, 44, 74 | 97, 118 |  |  |
| PED043 | Malnutrition | H.DÖNERAY, MD, Proff. | 2 |  | 6, 19, 25, 29, 49  61, 65, 73 | 15, 94, 127 |  |  |
| PED044 | Growth Assessment and Adolescent Examination | H.DÖNERAY, MD, Proff. | 1 |  | 5, 6, 19, 34, 41, 65, 67 | 124 |  |  |
| PED045 | Nervous System Examination | Hüseyin TAN, MD, Proff. | 2 |  | 11, 12, 4, 21, 23, 34, 40, 53, 60, 91 | 20, 22, 38, 58, 73, 76, 83, 113 |  |  |
| PED046 | Gullian Barre Syndrome-Poliomyelitis | Hüseyin TAN, MD, Proff. | 1 |  | 41, 51, 60, 61, 75, 76, 94 | 69 |  |  |
| PED047 | Encephalitis | Hüseyin TAN, MD, Proff. | 1 |  | 10, 41, 53, 60 | 38 |  |  |
| PED048 | Headache- Migraine | Hüseyin TAN, MD, Proff. | 1 |  | 11, 12, 13, 16, 21, 52 | 39 |  |  |
| PED049 | Convulsions | Hüseyin TAN, MD, Proff. | 2 |  | 13, 53 | 23, 38 |  |  |
| PED050 | Coma | Hüseyin TAN, MD, Proff. | 1 |  | 1, 13, 21, 23, 53 | 28, 34, 73 |  |  |
| PED051 | Cerebral Palsy | Hüseyin TAN, MD, Proff. | 1 |  | 23, 32, 34, 53, 55, 67, 72, | 20, 101 |  |  |
| PED052 | epilepsy | Hüseyin TAN, MD, Proff. | 2 |  | 11, 112, 13, 40, | 20, 113 |  |  |
| PED053 | Childhood Anemia | Zerrin ORBAK, MD,Proff. | 3 |  | 6, 25, 41, 45, 88 | 15,57,70,71,128 |  |  |
| PED054 | Childhood Solid Tumors | Zerrin ORBAK, MD,Proff. | 2 |  | 15, 37, 43, 45, 47, 59, 62, 65, 70, 77, 88 | 61, 84 |  |  |
| PED055 | lymphomas | Zerrin ORBAK, MD,Proff. | 1 |  | 37, 45, 59, 65, 70, 88 | 92 |  |  |
| PED056 | Oncological Emergencies-DIK | Zerrin ORBAK, MD,Proff. | 1 |  | 10, 16, 57, 78 | 40, 49 |  |  |
| PED057 | Bleeding diathesis - hemophilia | Zerrin ORBAK, MD,Proff. | 2 |  | 18, 31, 32, 57, 78, | 29,82 |  |  |
| PED058 | Leukemia | Zerrin ORBAK, MD,Proff. | 1 |  | 4,41, 45, 57, 65, 70, 78, | 93 |  |  |
| PED059 | Newborn Examination | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 1 |  | 2, 19, 24, 33, 69 | 17, 42, 50, 76, 126, 128, 135 |  |  |
| PED060 | Perinatal Asphyxia | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 2 |  | 1, 13, 33, 34, 53, 67, 87, | 17, 18, 76 |  |  |
| PED061 | Preterm Baby's Monitoring | K.Ş. TEKGÜNDÜZ, MD, Assoc. Proff. | 1 |  | 1, 9, 34, 49, 53 | 116 |  |  |
| PED062 | Intrauterine Infections | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 1 |  | 1, 10, 13, 33, 78 | 79 |  |  |
| PED063 | Intrauterine growth retardation and Premature Features | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 2 |  | 6, 19, 49 | 78 |  |  |
| PED064 | NRP | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 2 |  | 1, 9 | 17, 18, 54 |  |  |
| PED065 | Newborn Convusions | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 2 |  | 1, 53 | 29, 51, 55 |  |  |
| PED066 | Birth Trauma | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 2 |  | 1, 33, 13, 48, 53, 78 | 28, 65 |  |  |
| PED067 | NEC | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. | 1 |  | 9, 37, 42 | 52 |  |  |
| PED068 | Evaluation of the Gastrointestinal System | Cahit KARAKELLEOĞLU, MD, Proff | 1 |  | 7, 26, 37, 45, 52, 55, 58, 59, 66, 71, 84, 88, 92 | 3, 6, 11, 14, 19, 25, 48, 68, 80, 86, 98, 110, 120 |  |  |
| PED069 | Celiac Disease | Zerrin ORBAK, MD, Proff | 1 |  | 29, 37, 52, 55, 65, 19 | 24, 29, 94 |  |  |
| PED070 | Chronic Diarrhea - Cow's Milk Allergy | Fuat LALOĞLU MD, Assist. Proff | 2 |  | 29, 37, 42, 52, 65 | 24, 29, 68, 77, 80, 94 |  |  |
| PED071 | Cystic fibrosis | Handan ALP, MD, Proff. | 1 |  | 65, 29, 19, 74 | 9, 85, 94 |  |  |
| PED072 | Breastfeeding and Nutrition | Zerrin ORBAK, MD, Proff. | 2 |  | 19, 64, 65, | 24, 66 |  |  |
| PED073 | Head and Neck Examination | Mustafa KARA MD, Assist.Proff. | 1 |  | 15, 17, 18, 68, 72, 83, 94 | 126 |  |  |
| PED074 | Skin and Lymph Node Examination | Mustafa KARA MD, Assist.Proff. | 1 |  | 22, 24, 25, 70, 78, | 14 |  |  |
| PED075 | Newborn Anomalies | Mustafa KARA MD, Assist.Proff. | 2 |  | 16, 33, 34, 74, 87 | 25, 50, 63, 111 |  |  |
| PED076 | Emergencies and Metabolic Problems of Newborn | Mustafa KARA MD, Assist.Proff. | 2 |  | 1, 9, 10, 33, 37, 48, 49, 53  55, 60, 90 | 9, 14, 27, 43, 55, 63, 106, 115, 124, 126 |  |  |
| PED077 | Sepsis and Meningitis in the Newborn | Mustafa KARA MD, Assist.Proff. | 2 |  | 9, 10, 33, 48, 49, 53 | 38, 42, 53 |  |  |
| PED078 | Newborn Respiratory Problems | Mustafa KARA MD, Assist.Proff. | 2 |  | 1, 87, 28 | 17, 41, 44, 54, 63, 99 |  |  |
| PED079 | Newborn Jaundice | Mustafa KARA MD, Assist.Proff. | 2 |  | 6, 9, 13, 33, 84 | 81, 117 |  |  |
| PED080 | Rational Antibiotic Use | Halil Keskin, MD, Assist.Proff | 1 |  |  |  | 35 |  |
| PED081 | Cardio Pulmonary Arrest | Halil Keskin, MD, Assist.Proff | 1 |  | 1, 53 | 32 |  |  |
| PED082 | Acute Gastroenteritis - Dehydration | M.Akif Güler. MD, Assist.Proff | 1 |  | 10, 13, 16, 29, 41  58 | 4, 9, 14, 24, 43, 45, 72 |  |  |
| PED083 | Anaphylaxis | Halil Keskin, MD, Assist.Proff | 1 |  | 1, 16, 48, 89, 94 | 7, 8, 36, 45, 47 |  |  |
| PED084 | poisoning | Halil Keskin, MD, Assist.Proff | 2 |  | 11, 16, 17, 20, 2123 | 11, 56 |  |  |
| PED085 | Shock-sepsis | Halil Keskin, MD, Assist.Proff | 2 |  | 9, 10, 13, 33, 41  48, 49 | 1, 2, 7, 8, 9, 14, 42, 43, 45 |  |  |
| PED086 | Diphtheria-tetanus-Pertusis | M.Akif Güler. MD, Assist.Proff | 2 |  | 1, 3, 9, 33, 74, 87  10, 14, 15, 16  75, 86, 90, 94 | 12, 46, 64 |  |  |
| PED087 | Otitis-Mumps | M.Akif Güler. MD, Assist.Proff | 1 |  | 10, 15, 68 | 125, 130, 131 |  |  |
| PED088 | Crimean Congo Hemorrhagic Fever | M.Akif Güler. MD, Assist.Proff | 1 |  | 10, 12, 13, 60  78 | 33, 42, 43, 45  , 49 |  |  |
| PED089 | Anthropometric measurements, To be able to measure and evaluate blood glucose with glucometer. To be able to interpret the results of screening and diagnostic purposes | Zerrin ORBAK, MD, Proff. |  | 1 |  |  | 9, 25, 34 |  |
| PED090 | To be able to provide decontamination, disinfection, sterilization, antisepsis. To be able to take measures to prevent healthcare related infections. Taking samples for culture, Hand washing | M.Akif Güler. MD, Assist.Proff |  | 1 |  |  | 16, 22, 33, 36 |  |
| PED091 | Neurological Examination. Consciousness and Mental status, GKS assessment | Hüseyin TAN, MD, Proff. |  | 1 |  |  | 6, 19, 24, 37, 48, |  |
| PED092 | Evaluation of vital signs. To be able to take a general and problematic history, to prepare a patient file. Lumbar puncture | Cahit KARAKELLEOĞLU, MD, Proff |  | 1 |  |  | 29, 32, 1, 23, |  |
| PED093 | To be able to apply oxygen and nebul ‐ inhaler treatment. To provide proper protection and transportation to the cold chain. To be able to carry out immunization services. | Handan ALP, MD, Proff. |  | 1 |  |  | 41, 43, 46 |  |
| PED094 | Urinary catheter insertion. Blood pressure measurement, Full urine analysis (including microscopic examination) and evaluation | M.Akif Güler. MD, Assist.Proff |  | 1 |  |  | 15, 39, 51 |  |
| PED095 | Head ‐ neck, ENT, Skin examination. Measuring and evaluating transcutaneous bilib. Being able to take heel blood. Teaching correct breastfeeding methods. Newborn metabolic and endocrine disease screening program | Mustafa KARA MD, Assist.Proff. |  | 1 |  |  | 4, 10, 28, 45, 47, 52 |  |
| PED096 | GIS Inspection. Enema. To be able to wash the stomach. To be able to apply nasogastric catheter | Fuat Laloğlu,MD,Assist.Proff |  | 1 |  |  | 17, 18, 20, 26 |  |
| PED097 | Cardiovascular system examination. Ability to draw and evaluate ECG. Apply defibrillation. | Naci CEVIZ, MD, Proff. |  | 1 |  |  | 7, 30, 49 |  |
| PED098 | Child and newborn examination. Ability to care for babies after birth. To be able to apply pulse oximeter and evaluate. | K.Ş. TEKGÜNDÜZ, MD, Assoc.Proff. |  | 1 |  |  | 2, 12, 27, 50 |  |
| PED099 | Respiratory system examination  Monitor growth and development in children (percentile, Tanner). Making a PPD test | H.DÖNERAY, MD, Proff. |  | 1 |  |  | 5, 21, 31 |  |
| PED0100 | To be able to measure and evaluate bleeding time. Capillary blood sample can be taken. To be able to make and evaluate peripheral smear | Zerrin ORBAK, MD,Proff. |  | 1 |  |  | 3, 8, 40, |  |
| PED101 | “Airway” application. To be able to intubate. To be able to give a coma position to the patient. To be able to remove the foreign body on the airway with appropriate maneuver. To apply cervical collar (neck collar). To provide basic life support. | Halil Keskin, MD, Assist.Proff |  | 1 |  |  | 11, 13, 14, 38, 42, 44 |  |

### 6. LEARNING METHODS OF PEDIATRICS CLERKSHIP PROGRAM

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| **LEARNING METHODS OF PEDIATRICS CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * • Interdisciplinary learning activities (meetings, panels, forums, group discussions) * Critical situation discussionsı * Written visual texts readings and interpretations * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR PEDIATRICS CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PEDIATRICS CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| To be able to take general and problematic stories | 4 | 1\* |  |
| To evaluate the mental status | 4 | 1 |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Anthropometric measurements | 4 | 1\* |  |
| Head ‐ neck and EAR-NOSE-THROATexamination | 3 | 1 |  |
| Abdominal examination | 4 | 1 |  |
| Consciousness assessment and mental state examination | 4 | 1 |  |
| Child and newborn examination | 4 | 1 |  |
| Skin examination | 4 | 1 |  |
| Evaluation of general condition and vital signs | 4 | 1 |  |
| Cardiovascular system examination | 4 | 1 |  |
| Neurological examination | 3 | 1 |  |
| Respiratory system examination | 4 | 1 |  |
| **C. Registration, Reporting and Notification** | | | |
| To prepare patient file | **4** | 1 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| To be able to provide decontamination, disinfection, sterilization, antisepsis | 4 | 1 |  |
| Capturing and evaluating ECG | 3 | 1\* |  |
| To be able to measure and evaluate blood glucose with glucometer | 4 | 1\* |  |
| To measure and evaluate bleeding time | 2 | 1\* |  |
| To be able to make and evaluate peripheral smear | 3 | 1\* |  |
| To be able to interpret the results of screening and diagnostic purposes | 3 | 1\* |  |
| Measuring and evaluating transcutaneous bilib | 3 | 1\* |  |
| Full urine analysis (including microscopic examination) and evaluate | 3 | 1\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| “Airway” application | 3 | 1\* |  |
| Using medicine with care | 4 | 1 |  |
| Ability to monitor growth and development in children (percentile curves, Tanner rating) | 3 | 1 |  |
| Ability to apply defibrillation | 4 | 1\* |  |
| To be able to take care of the baby after birth | 3 | 1 |  |
| Hand washing | 4 | 1 |  |
| Intubation | 3 | 1\* |  |
| Evaluation of Glasgow coma scale | 4 | 1 |  |
| To be able to give the patient a coma position | 4 | 1 |  |
| Ability to remove the foreign body in the airway | 3 | 1 |  |
| with the appropriate maneuver | 3 | 1\* |  |
| Urinary catheter insertion | 4 | 1 |  |
| Being able to measure blood pressure | 4 | 1\* |  |
| Capillary blood sampling | 3 | 1 |  |
| Being able to take samples for culture | 3 | 1\* |  |
| Enema | 1 | 1\* |  |
| Ability to perform lumbar puncture | 3 | 1\* |  |
| Stomach washing | 3 | 1\* |  |
| Minimental status examination | 3 | 1 |  |
| To be able to apply nasogastric catheter | 3 | 1\* |  |
| To be able to apply oxygen and nebul ‐ inhaler treatment | 4 | 1 |  |
| To be able to apply PPD test | 3 | 1\* |  |
| To be able to apply and evaluate pulse oximetry | 4 | 1 |  |
| Being able to apply cervical collar (neck collar) | 4 | 1\* |  |
| Providing protection and transportation suitable for cold chain | 4 | 1 |  |
| Providing basic life support | 4 | 1 |  |
| Ability to take heel blood | 4 | 1\* |  |
| Newborn vitalization | 2 | 1\* |  |
| **I. Scans** | | | |
| Newborn metabolic and endocrine disease screening program | 4 | 1 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN PEDIATRICS CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN PEDIATRICS CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85%) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV GENERAL SURGERY CLERKSHIP GUIDE |

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| --- | --- | --- | --- | --- |
| **Stajın Kodu** | MED404 |  | **Stajın Tipi** | Compulsory/Elective |
| **Staj Süresi** | 8 weeks |  | **AKTS** | 5 |

|  |  |
| --- | --- |
| **GENERAL SURGERY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Schwartz General Surgery Book |
| **2.** | Sabiston General Surgery Book |
| **3.** | Basic Surgery Book (Iskender Sayek) |

|  |  |
| --- | --- |
| **GENERAL SURGERY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.. |
| **4** | Students are obliged to keep the “Ataturk University Faculty of Medicine Trainee Report” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **4** | Students will actively participate in lectures given by faculty members, visits, outpatient and endoscopy applications and surgeries. |
| **5** | In order to be successful at the end of the clerkship; Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the Trainee Report and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. GENERAL SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| **OBJECTIVE OF THE GENERAL SURGERY CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the General Surgery internship. |
|  | To be able to perform emergency treatment by defining emergencies (such as acute abdomen, traumas, shock) for General Surgery |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide referral when necessary after emergency intervention and treatment |
|  | Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. GENERAL SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 5 | 4 | 5 | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 1 | 4 | 4 | 1 | 1 | 1 | 2 | 1 | 3 | 3 | 4 | 3 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE GENERAL SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the General Surgery clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GENERAL SURGERY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Bloating in the abdomen | 10 | Hepatomegaly | 19 | Accidents (Home ‐ work ‐ traffic accidents, electric shock, falling, drowning) |
| 2 | Anorectal pain | 11 | Gynecomastia | 20 | *Corrosive exposure* |
| 3 | fever | 12 | Constipation | 21 | lymphadenopathy |
| 4 | Mass on the neck | 13 | Abdominal pain | 22 | Melena-hematemesis |
| 5 | Nausea and vomiting | 14 | Mass in the abdomen | 23 | Breast discharge |
| 6 | Pelvic Mass | 15 | Mass in the groin / scrotum | 24 | Mass in the breast |
| 7 | *Breast Pain* | 16 | Weight gain / excess | *25* | Icterus |
| 8 | Hematocesia / Rectal bleeding | 17 | Weight loss | *26.* | *Wounds and injuries* |
| 9 | Hemoptysis | 18 | Colic pains (renal, biliary, intestinal) |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the General Surgery clerkship period.

|  |  |
| --- | --- |
| **GENERAL SURGERY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Acute abdominal syndrome 2. Lower gastrointestinal bleeding 3. Acid-base balance disorders 4. Hepatic coma 5. Hypoglycemia 6. Invagination 7. Abdominal wall / Groin hernias 8. Abdominal trauma 9. Compartment syndrome 10. Oncological emergencies 11. Sepsis 12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 13. Shock 14. Upper gastrointestinal bleeding 15. Trauma and injuries 16. Acute pancreatitis 17. Appendicitis 18. Gas gangrene 19. Ileus 20. Blood and products transfusion complications 21. Common intravascular coagulation |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Cushing's disease 2. Diaphragmatic hernias 3. Pheochromocytoma 4. Gastrointestinal tract tumors 5. Gastrointestinal tract motility disorders 6. Hepatosteatosis 7. Hyperparathyroidism 8. Hypoparathyroidism 9. Inflammatory bowel disease 10. Irritable bowel disease 11. Liver cirrhosis 12. Cyst hydatid disease 13. Cholecystitis, cholelithiasis 14. Colorectal cancers 15. Chronic pancreatitis 16. Lymphedema 17. Malabsorption 18. Breast diseases and tumors 19. Peritonitis 20. Pyloric stenosis 21. Thyroid tumors 22. Wilson disease |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Acute hepatitis 2. Acute abdomen 3. Lower gastrointestinal bleeding 4. Abdominal wall / Groin hernias 5. Compartment syndrome 6. Obesity (endogenous ‐ exogenous)   12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders  14. Upper gastrointestinal bleeding  47. Perianal abscess  48. Hyperthyroidism |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 49. Anal fissure  50. Pressure sores  51. Dehydration  52. Iron deficiency anemia  53. Gastro ‐ esophageal reflux  54. Hemorrhoids  55. Hypothyroidism  56. Peptic disease (ulcer)  57. Tuberculosis |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 44. Acute hepatitis  50. Pressure sores  51. Dehydration  52. Iron deficiency anemia  25. Cancers of the gastrointestinal tract  53. Gastro ‐ esophageal reflux  58. Goiter  54. Hemorrhoids  31. Irritable bowel disease  32. Liver cirrhosis  33. Cyst hydatid disease  35. Colorectal cancers  9. Compartment syndrome  39. Breast diseases and tumors  46. Obesity  56. Peptic disease (ulcer)  12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders  57. Tuberculosis |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the General Surgery clerkship period.

|  |  |
| --- | --- |
| **GENERAL SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1. Digital rectal examination 2. To be able to read and evaluate direct radiographs 3. To open vascular access 4. Intubation 5. To be able to take a biological sample from the patient 6. IM, IV, SC, ID injection 7. Ability to insert urine catheter 8. To be able to take samples for culture 9. Enema making 10. To be able to apply nasogastric catheter 11. To be able to perform oral, rectal, vaginal and topical drug applications 12. Ability to throw and remove superficial sutures 13. To be able to provide health education to the society |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 1. To be able to take general and problematic stories 2. To be able to evaluate mental state 3. Head neck, breast and abdomen examination 4. Lighting and obtaining consent 5. To prepare epicrisis 6. To prepare patient file 7. To be able to issue a recipe 8. To be able to prepare refusal of treatment document 9. To apply the principles of working with biological material 10. To be able to provide decontamination, disinfection, sterilization, antisepsis 11. To fill the request form for laboratory examination 12. Ability to take the sample of the laboratory under suitable conditions and deliver it to the laboratory 13. Hand washing 14. To be able to apply oxygen and nebul ‐ inhaler treatment |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the General Surgery clerkship period

|  |  |
| --- | --- |
| **GENERAL SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | 4. Work and health interaction  f. Accidents at work |
|  |  |
|  | Environment and health interaction  a. Healthy nutrition and food policies |
|  | 13. Accidents  a. Home accidents  b. Traffic accidents  c. Accidents at work |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of General Surgery clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **GENERAL SURGERY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,, |

### 4. GENERAL SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

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| --- | --- | --- | --- |
| **SESSION IV GENEL SURGERY CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | |
| **DAYS** | **SUBJECT OF THE LESSON** | **LESSON TIME** | **TEACHING STAFF** |
| **05.09.2022**  **Monday** | **1. WEEK** | | |
| Information about internship and ethical and professional values in clinical practice | 08.00-09.00 | Proff.Müfide Nuran AKÇAY |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv.) | 09.00-10.00 | Related teaching staff |
| Surgical anamnesis, physical examination and diagnostic paths | 10.00-12.00 | Asst.Prof.Esra DİŞÇİ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-16.00 | Related teaching staff |
| **06.09.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Wound healing | 10.00-12.00 | Proff.S.Selçuk ATAMANALP |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-16.00 | Related teaching staff |
| **07.09.2022**  **Wednesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Surgical diseases of the colon | 10.00-12.00 | Proff.Yavuz ALBAYRAK |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-14.00 | Related teaching staff |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **08.09.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-12.00 | Related teaching staff |
| PBT( Problem-Based Training) 1st.session | 13.00-14.00 | Asst.Prof.Nurhak AKSUNGUR |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **09.09.2022**  **Friday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Abdominal pain, acute abdomen and peritonitis | 10.00-12.00 | Asst.Prof.Nurhak AKSUNGUR |
| PBT( Problem-Based Training) 1st.session | 13.00-14.00 | Assoc.Prof.Erdem KARADENİZ |
| Traumatic acute abdomen | 14.00-16.00 | Asst.Prof.Nurhak AKSUNGUR |
| **12.09.2022**  **Monday** | **2. WEEK** | | |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| General information about transplantation and organ transplantation | 10.00-12.00 | Proff.Gürkan ÖZTÜRK |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-16.00 | Related teaching staff |
| **13.09.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10:00 | Related teaching staff |
| Metabolic and endocrine response to trauma | 10.00-12.00 | Asst.Prof.Rıfat PEKSÖZ |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Asst.Prof.Nurhak AKSUNGUR |
| Asepsis, antisepsis, disinfection | 15.00-16.00 | Asst.Prof.Rıfat PEKSÖZ |
| **14.09.2022**  **Wednesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Fluid, electrolyte | 10.00-12.00 | Dr.Öğr.Üyesi Ercan KORKUT |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-14.00 | Related teaching staff |
| Mesenteric vascular diseases | 14.00-16.00 | Assoc.Prof.Erdem KARADENİZ |
| **15.09.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Shock and Multi Organ Failure | 10.00-12.00 | Asst.Prof.Salih KARA |
| Acid base balance | 13.00-14.00 | Asst.Prof.Rıfat PEKSÖZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **16.09.2022**  **Friday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Gastrointestinal system bleeding | 10.00-12.00 | Asst.Prof.Esra DİŞÇİ |
| PBT( Problem-Based Training) 1st.session | 13:00-14:00 | Dr.Öğr.Üyesi Ercan KORKUT |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv) | 14.00-16.00 | Related teaching staff |
| **19.09.2022**  **Monday** | **3.WEEK** | | |
| PBT( Problem-Based Training) 1st.session | 09.00-10.00 | Asst.Prof.Esra DİŞÇİ |
| Surgical diseases of the biliary system | 10.00-12.00 | Asst.Prof.Nurhak AKSUNGUR |
| PBT( Problem-Based Training) 1st.session | 13:00-14:00 | Asst.Prof.Necip ALTUNDAŞ |
| Grup 1(amly.),Grup 2(pol.)Grup 3(end.), Grup 4 (serv) | 14:00-16:00 | Related teaching staff |
| **20.09.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Post-operative care | 10.00-12.00 | Proff.Müfide N.AKÇAY |
| PBT( Problem-Based Training) 1st.session | 13.00-14.00 | Asst.Prof.Salih KARA |
| Nutrition in surgery | 14.00-16.00 | Proff.Müfide N.AKÇAY |
| **21.09.2022**  **Wednesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Benign and malignant diseases of the anorectal region | 10.00-12.00 | Proff.M.İlhan YILDIRGAN |
| PBT( Problem-Based Training) 1st.session | 13.00-14.00 | Asst.Prof.Rıfat PEKSÖZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **22.09.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv) | 08.00-10.00 | Related teaching staff |
| Stomas of gastrointestinal system | 10.00-12.00 | Proff. Yavuz ALBAYRAK |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Assoc.Prof.Erdem KARADENİZ |
| Blood transfusions | 14.00-16.00 | Asst.Prof.Necip ALTUNDAŞ |
| **23.09.2022**  **Friday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Intestinal obstructions | 10.00-12.00 | Proff. Yavuz ALBAYRAK |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-16.00 | Related teaching staff |
| **26.09.2022**  **Monday** | **4. WEEK** | | |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Portal hypertension | 10.00-12.00 | Proff.Gürkan ÖZTÜRK |
| PBT( Problem-Based Training) 3nd.session | 13.00-14.00 | Asst.Prof.Nurhak AKSUNGUR |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **27.09.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Benign and malignant diseases of the pancreas | 10.00-12.00 | Asst.Prof.Ercan KORKUT |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Asst.Prof.Ercan KORKUT |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **28.09.2022**  **Wednesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Endocrine tumors of gastrointestinal system | 10.00-12.00 | Asst.Prof.Esra DİŞÇİ |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Asst.Prof.Esra DİŞÇİ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **29.09.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Surgical diseases of the diaphragm and reflux disease | 10.00-12.00 | Asst.Prof.Rıfat PEKSÖZ |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Asst.Prof.Necip ALTUNDAŞ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **30.09.2022**  **Friday** | ARA SINAVI | 10.00-12.00 |  |
| **03.10.2022**  **Monday** | **5. WEEK** | | |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv) | 08.00-10.00 | Related teaching staff |
| Surgical clinical ethics practices | 10.00-12.00 | Proff.Ahmet Nezih KÖK |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Asst.Prof.Salih KARA |
| Gastric cancer | 14.00-16.00 | Proff. Yavuz ALBAYRAK |
| **04.10.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv) | 08.00-10.00 | Related teaching staff |
| Surgical oncology | 10.00-12.00 | Proff.S.Selçuk ATAMANALP |
| PBT( Problem-Based Training) 2nd.session | 13.00-14.00 | Asst.Prof.Rıfat PEKSÖZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv) | 14.00-16.00 | Related teaching staff |
| **05.10.2022**  **Wednesday** | Grup 1(amly.),Grup 2(pol.)Grup 3(end.), Grup 4 (serv) Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-12.00 | Proff.Müfide Nuran AKÇAY |
| PBT( Problem-Based Training) 3rd.session | 13.00-14.00 | Assoc.Prof.Erdem KARADENİZ |
| Pilonidal sinus and surgical treatment | 14.00-16.00 | Asst.Prof.Necip ALTUNDAŞ |
| **06.10.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Morbid obesity | 10.00-12.00 | Proff.Müfide N.AKÇAY |
| PBT( Problem-Based Training) 4th.session | 13.00-14.00 | Asst.Prof.Nurhak AKSUNGUR |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **07.10.2022**  **Friday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Laparoscopic surgery | 10.00-12.00 | Proff.M.İlhan YILDIRGAN |
| PBT( Problem-Based Training) 3rd.session | 13.00-14.00 | Asst.Prof.Ercan KORKUT |
| Anamnesis examination and diagnosis ways in breast diseases and surgical diseases of the breast | 14.00-16.00 | Proff.Müfide N.AKÇAY |
| **10.10.2022**  **Monday** | **6. WEEK** | | |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Benign diseases of the liver | 10.00-12.00 | Proff.Gürkan ÖZTÜRK |
| PBT( Problem-Based Training) 3rd.session | 13.00-14.00 | Asst.Prof.Esra DİŞÇİ |
| Malignant diseases of the liver | 14.00-16.00 | Proff.Gürkan ÖZTÜRK |
| **11.10.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| General information about the anterior abdominal wall hernias and Special hernia types | 10.00-12.00 | Asst.Prof.Salih KARA |
| PBT( Problem-Based Training) 3rd.session | 13.00-14.00 | Asst.Prof.Necip ALTUNDAŞ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **12.10.2022**  **Wednesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-12.00 | Related teaching staff |
| PBT( Problem-Based Training) 3rd.session | 13.00-14.00 | Asst.Prof.Salih KARA |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **13.10.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Acute apendicitis | 10.00-12.00 | Assoc.Prof.Erdem KARADENİZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-16.00 | Related teaching staff |
| **14.10.2022**  **Friday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10:00 | Related teaching staff |
| Traumatical and surgical diseases of spleen | 10.00-12.00 | Asst.Prof.Necip ALTUNDAŞ |
| PBT( Problem-Based Training) 3rd.session | 13.00-14.00 | Asst.Prof.Rıfat PEKSÖZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **17.10.2022**  **Monday** | **7. WEEK** | | |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Definition of obstructive ıcterus, etiology, diagnostic routes, differential diagnosis with obstructive icterus and other icterus | 10.00-12.00 | Asst.Prof.Ercan KORKUT |
| PBT( Problem-Based Training) 4th.session | 13.00-14.00 | Asst.Prof.Ercan KORKUT |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **18.10.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Adrenal Diseases | 10.00-12.00 | Proff.Müfide N.AKÇAY |
|  | PBT( Problem-Based Training) 4th.session | 13.00-14.00 | Asst.Prof.Esra DİŞÇİ |
| **19.10.2022**  **Wednesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Infections In Surgery | 10.00-12.00 | Asst.Prof.Salih KARA |
| PBT( Problem-Based Training) 4th.session | 13.00-14.00 | Asst.Prof.Rıfat PEKSÖZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **20.10.2022**  **Thursday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-11.00 | Related teaching staff |
| PBT( Problem-Based Training) 4th.session | 11.00-12.00 | Asst.Prof.Necip ALTUNDAŞ |
| PBT( Problem-Based Training) 4th.session | 13.00-14.00 | Asst.Prof.Salih KARA |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **21.10.2022**  **Friday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-11.00 | Related teaching staff |
| PBT( Problem-Based Training) 4th.session | 11.00-12.00 | Asst.Prof. AKSUNGUR |
| PBT( Problem-Based Training) 4th.session | 13.00-14.00 | Assoc.Prof.Erdem KARADENİZ |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 14.00-16.00 | Related teaching staff |
| **24.10.2022**  **Monday** | **8. HAFTA** | | |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-10.00 | Related teaching staff |
| Anamnesis, examination, ways of diagnosis and surgical diseases of thyroid in thyroid diseases | 10.00-12.00 | Proff.Müfide N.AKÇAY |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-16.00 | Related teaching staff |
| **25.10.2022**  **Tuesday** | Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 08.00-12.00 | Related teaching staff |
| Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv | 13.00-14.00 | Related teaching staff |
| Surgical diseases of parathyroid gland | 14.00-16.00 | Assoc.Prof.Erdem KARADENİZ |
| **26.10.2022**  **Wednesday** | Internship feedback meeting |  | Proff. Müfide Nuran AKÇAY |
| **27.10.2022**  **Thursday** | PRATİCE EXAM | 08.30 |  |
| **28.10.2022**  **Friday** | THEORETICAL EXAM | 08.30 |  |

### 5. MATCHING GENERAL SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING GENERAL SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** |
| GS 001 | Surgical anamnesis, physical examination and diagnostic paths |  | 2 |  |  |  | 15 |
| GS 002 | Abdominal pain, acute abdomen and peritonitis |  | 2 |  | 1, 13, 18 | 1, 19, 20 |  |
| GS 003 | Traumatic acute abdomen |  | 2 |  | 1, 13, 19 | 1, 10, 11 |  |
| GS 004 | Surgical diseases of the colon |  | 2 |  | 8, 17 | 2, 13, 24, 25, 31, 32, 33, 38, 52, 53, 64, 79, 82 |  |
| GS 005 | Wound healing |  | 2 |  | 26 | 62 | 13 |
| GS 006 | General information about transplantation and organ transplantation |  | 2 |  | 10, 25 | 6, 35, 50 | 16, 20 |
| GS 007 | Metabolic and endocrine response to trauma |  | 2 |  | 19 | 3, 5, 10, 11, 16 |  |
| GS 008 | Asepsis, antisepsis, disinfection |  | 1 |  |  | 14 | 24, 27 |
| GS 009 | Gastrointestinal system bleeding |  | page290image36802082 |  | 8, 9, 22 | 2, 16, 17, 64 | 1, 11 |
| GS 010 | Mesenteric vascular diseases |  | 2 |  | 1, 13 | 5, 14, 15, 16, 18 |  |
| GS 011 | Fluid, electrolyte and acid base balance |  | 2 |  | 5, 8, 22 | 2, 5, 15, 16, 17, 46, 53 |  |
| GS 012 | Shock and Multi Organ Failure |  | 2 |  | 8, 19, 22 | 2, 3, 4, 5, 7, 11, 15, 16, 17 |  |
| GS 013 | Surgical diseases of the biliary system |  | page290image57688322 |  | 3, 5, 18, 25 | 35, 37 |  |
| GS 014 | Post-operative care |  | 2 |  |  |  | 4, 7, 8, 9, 10, 11, 12, 13 |
| GS 015 | Nutrition in surgery |  | 2page290image5774448 |  |  | 41 |  |
| GS 016 | Benign and malignant diseases of the anorectal region |  | page290image57792322 |  | 2, 8, 12, 17, 22 | 2, 13, 24, 43, 44, 53, 61, 67 |  |
| GS 017 | Stomas of gastrointestinal system |  | page290image57863042 |  |  | 13, 38, 53 |  |
| GS 018 | Intestinal obstructions |  | 2 |  | 1, 5, 13, 14 | 13, 15, 43, 53 |  |
| GS 019 | Blood transfusions |  | 2 |  | 8, 22, 19 | 2, 4, 10, 11, 16, 17, 34 |  |
| GS 020 | Portal hypertension |  | 2 |  | 10, 25 | 6, 35, 48 |  |
| GS 021 | Benign and malignant diseases of the pancreas |  | 2 |  | 1, 5, 13, 14, 17 | 3, 7, 13, 19, 39 |  |
| GS 022 | Endocrine tumors of gastrointestinal system |  | 2 |  | 1, 5, 13, 14, 17 | 7, 13, 15, 53 |  |
| GS 023 | Surgical diseases of the diaphragm and reflux disease |  | 2 |  | 5, 6 | 22, 76 |  |
| GS 024 | Morbid obesity |  | 2 |  | 16 | 56 |  |
| GS 025 | Pilonidal sinus and surgical treatment |  | 2 |  |  |  |  |
| GS 026 | Gastric cancer |  | 2 |  | 8, 13, 17, 22 | 13, 1724, 46, 60, 64, 75 |  |
| GS 027 | Laparoscopic surgery |  | 2 |  |  |  |  |
| GS 028 | Anamnesis examination and diagnosis ways in breast diseases and surgical diseases of the breast |  | 2 |  | 23, 24 | 40, 42 | 17 |
| GS 029 | Benign diseases of the liver |  | 2 |  | 10, 13, 18, 25 | 6, 27, 35, 36, 48 |  |
| GS 030 | Malignant diseases of the liver |  | 2 |  | 10, 13, 18, 25 | 35, 50 |  |
| GS 031 | General information about the anterior abdominal wall hernias and Special hernia types |  | 2 |  | 5, 15 | 9, 53 |  |
| GS 032 | Acute Appendicitis |  | 2 |  | 3, 5, 13 | 1, 20 |  |
| GS 033 | Surgical diseases and trauma of the spleen |  | 2 |  |  |  |  |
| GS 034 | Definition of obstructive ıcterus, etiology, diagnostic routes, differential diagnosis with obstructive icterus and other icterus |  | 2 |  | 3, 13, 25 | 1, 50 |  |
| GS 035 | Adrenal Diseases |  | 2 |  |  | 21, 23 |  |
| GS 036 | Infections In Surgery |  | 2 |  | 3 | 14 |  |
| GS 037 | Surgical oncology |  | 2 |  | 14, 17 | 13, 24, 38 |  |
| GS 038 | Anamnesis, examination, ways of diagnosis and surgical diseases of thyroid in thyroid diseases |  | 2 |  | 4 | 29, 47 |  |
| GS 039 | Surgical disease of parathyroid. |  | 2 |  | 4 | 28, 30 |  |
| GS 040 | CBE (Case-Based Learning) |  |  | 24 |  |  | 1, 3, 15, 17 |

### 6. LEARNING METHODS OF GENERAL SURGERY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF GENERAL SURGERY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside trainings, visits, structured focused patient visit; service, but operating room and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Interdisciplinary learning activities (meetings, panels, forums, group discussions) * Critical situation discussions * Reflection sessions * Gamification, psychodrama * Written visual text / readings, interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR GENERAL SURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV GENERAL SURGERY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:……………………Surname:……………………….**  **Student Number: Data :…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** |  | | |
| To be able to take general and problematic stories | **4** | **3\*** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Head, neck, breast and abdomen examination | **4** | 3\* |  |
| **C. Registration, Reporting and Notification** | | | |
| Writing prescriptions | **4** | 5\* |  |
| Preparing a patient file | **4** |  |  |
| Preparing epicrises | **4** | 5 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | **4** | 3 |  |
| Filling the request form for laboratory examination | **4** | 3 |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 5\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Digital rectal examination | **3** | 5 |  |
| Enema | **3** | 5 |  |
| To be able to apply nasogastric catheter | **4** | 3 |  |
| Ability to throw and take superficial sutures | **4** | 5 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)Total Professionalism score (out of 5 point)** | | | |
| **III-** **Clinical Problem Solving (out of 5)**Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN GENERAL SURGERY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN GENERAL SURGERY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** ( % 5) * • Mini-clinical examination: It is done as multiple choice questions evaluating clinical information and case-based multiple choice questions evaluating clinical decision making. (10%) * • Oral internship exam: Structured Oral̈ Exam (structured fact-based questions evaluating clinical decision making and questions evaluating clinical information). Contribution to practice-oral exam at the end of internship (75%) * • Students who score less than 60 points in total over 100 full points from the practice-oral exam, in which the trainee scorecard is also evaluated, are considered unsuccessful. * • Students who fail the practice-oral exam, take the make-up exam. * • Students who fail the practical-oral exam cannot take the Theoretical (written-multiple choice) exam. |
| **THEORETICAL EXAM** |
| * • It consists of a total of 50 multiple choice questions. * - Multiple choice questions evaluating clinical information and case-based multiple choice questions evaluating clinical decision making. * Students who score less than 60 points out of 100 in the theoretical (written-multiple choice) exam are considered unsuccessful. * • Students who fail the theoretical (written-multiple choice) exam take the make-up exam of the internship. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV INTERNAL MEDICINE CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED405 |  | **Type** | Compulsory/Elective |
| **Period** | 8 weeks |  | **ECTS** | 12 |

|  |  |
| --- | --- |
| **INTERNAL MEDICINE CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Up To Date |
| **2.** | Iç Hastalıkları Semiyoloji Kitabı- Senay Molvalılar-2016-ISBN9789758052837 Alfa Yayıncılık |
| **3.** | Harrison's Principles of Internal Medicine, 20e. J. Larry Jameson, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, Dan L. Longo, Joseph Loscalzo. ISBN: 9781259644030. |

|  |  |
| --- | --- |
| **INTERNAL MEDICINE CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. INTERNAL MEDICINE CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE INTERNAL MEDICINE CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the internal medicine internship. |
|  | To be able to perform emergency treatment for internal diseases by defining emergencies (diabetic ketoacidosis, nonketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia, hypocalcemia, oncological emergencies, hyperpotasemia, poisoning, kidney failure, shock, gastrointestinal bleeding) |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria. |
|  | To be able to provide referral when necessary after emergency intervention and treatment. |
|  | Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. INTERNAL MEDICINE CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE INTERNAL MEDICINE CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Internal Medicine clerkship period

|  |  |  |  |
| --- | --- | --- | --- |
| **INTERNAL MEDICINE CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | |
|  | Abdominal distension | 44. | Gynecomastia |
|  | Dry mouth | 45. | Constipation |
|  | Wound in the mouth | 46. | Cardiac murmurs |
|  | Agitation | 47. | Bleeding tendency |
|  | Amenorrhea | 48. | Abdominal pain |
|  | Anemia | 49. | Mass in the abdomen |
|  | Anxiety | 50. | Muscle weakness |
|  | Anorectal pain | 51. | Pruritis |
|  | Anuria-oliguria | 52. | Weight gain |
|  | Apnea | 53. | Weight loss |
|  | Fever | 54. | Cladication intermittant |
|  | Dizziness | 55. | Colic pains (renal, biliary, intestinal) |
|  | Headache | 56. | Convulsions |
|  | Changes of consciousness | 57. | Suspicious genitalia |
|  | Throat pain | 58. | Lymphadenopathy |
|  | Mass on the neck | 59. | Melena /hematemesis |
|  | Nausea and vomiting | 60. | Breast discharge |
|  | Epistaxis | 61. | Edema |
|  | Growth ‐ developmental retardation | 62. | Cough |
|  | Sexual function problems | 63. | Parasthesia |
|  | Palpitations | 64. | Petechia, purpura, ecchymosis |
|  | Diplopia | 65. | Polydipsia |
|  | Clubbing | 66. | Polyuria |
|  | Problems with balance / movement | 67. | Pollacuria / Nocturia |
|  | Skin and nail changes (dryness, discoloration, etc.) | 68. | Puberty disorders (early ‐ late) |
|  | Dysphagia | 69 | Hair loss |
|  | Dyspepsia | 70. | Jaundice |
|  | Dyspnea | 71. | Cyanosis |
|  | Diarrhea | 72. | Stings (bugs) / Bites |
|  | Dysuria | 73. | Splenomegaly |
|  | Joint pain/swelling | 74. | Sweating changes |
|  | Movement restriction in joints | 75. | Tetani |
|  | Fecal incontinence | 76. | Tremor |
|  | Weakness | 77. | Forgetfulness |
|  | Hematocesia / Rectal bleeding | 78. | Corrosive exposure |
|  | Hematuria | 79. | Death |
|  | Hemoptysis | 80. | Immunization |
|  | Hepatomegaly | 81. | Exercise and physical activity |
|  | Hypertension | 82. | Health in different stages of life (Pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, menopause - andropause, old age, terminal period, death) |
|  | Hypotension | 83. | Prevention of chronic diseases |
|  | Hirsutism | 84. | Healthy diet and changing lifestyle |
|  | Undesirable effects of drugs / drug interactions | 85. | Elderly Health |
|  | Loss of appetite |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Internal Medicine clerkship period.

|  |  |
| --- | --- |
| **INTERNAL MEDICINE CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Adrenocortical insufficiency 2. Lung edema 3. Acute kidney failure 4. Acute glomerulonephritis 5. Acute abdomen 6. Allergic reaction 7. Lower gastrointestinal bleeding 8. Anaphylaxis 9. Sudden death 10. ARDS 11. Acid-Base balance disorder 12. Crush injury 13. Dehydration 14. Acute complications of diabetes 15. HELLP 16. Hypertensive attack 17. Hepatic coma 18. Hypoglycemia 19. Drug side effects 20. Vitamin K deficiency 21. Cardiopulmonary arrest 22. Cognitive disorders (delirium) 23. Coma 24. Oncological emergencies 25. Sepsis 26. Fluid electrolyte disturbances 27. Shock 28. Urticaria and angioedema 29. Upper gastrointestinal bleeding |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Familial Mediterranean fever 2. Achalasia 3. Lung cancer 4. Acute pancreatitis 5. Amyloidosis 6. Aplastic anemia 7. Avitaminosis 8. Head and neck cancers 9. Behçet's disease 10. Cystic diseases of the kidney 11. Cushing's disease 12. Skin tumors 13. Diverticular disease 14. Diabetes insipitus 15. Pheochromocytoma 16. Cancers of the gastrointestinal tract 17. ​​Gastrointestinal tract motility disorders 18. Gout disease 19. Hemoglobinopathies 20. Hemochromatosis 21. Hemolytic anemias 22. Hemolytic uremic syndrome-Thrombotic thrombocytopenic purpura 23. Hepatosteatosis 24. Hyperparathyroidism 25. Hyperthyroidism 26. Pituitary disorders 27. Hypoparathyroidism 28. Irritable bowel disease 29. Intestinal polyposis 30. Inflammatory bowel disease 31. Blood and blood products transfusion complications 32. Bleeding diathesis 33. Liver Cirrhosis 34. Bone tumors 35. Cyst hydatid disease 36. Cholecystitis, Cholelithiasis 37. Colorectal cancers 38. Congenital adrenal hyperplasia 39. Chronic glomerulonephritis 40. Chronic hepatitis 41. Chronic lung disease 42. Chronic pancreatitis 43. Lymphoproliferative diseases 44. Leukemia 45. Malabsorption 46. Bladder cancer 47. Myeloproliferative diseases 48. Osteoporosis 49. Ovarian cancer 50. Paraneoplastic syndromes 51. Peripheral neuropathy 52. Peritonitis 53. Polycystic ovary syndrome 54. Polymyositis and Dermatomyositis 55. Portal hypertension 56. Prostate cancer 57. Reynaud's disease 58. Rheumatoid arthritis 59. Secondary hypertension 60. Cervical cancer 61. Systemic lupus erythematosus 62. Sjögren's syndrome 63. Scleroderma 64. Spondyloarthropathies 65. Testicular tumor 66. Thyroid cancer 67. Thyroiditis 68. Tubulointerstitial diseases 69. Inappropriate ADH 70. Vasculitis 71. Wilson disease 72. Disseminated intravascular coagulation |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Adrenocortical insufficiency  3. Acute kidney failure  4. Acute glomerulonephritis  102. Acute hepatitis  5. Acute abdomen  103. Acute rheumatic fever  6. Allergic reaction  7. Lower gastrointestinal bleeding  9. Sudden death  104. Arthritis  105. Assit  12. Crush injury  106. Dyslipidemia  14. Acute complications of diabetes  15. Eclampsia / Preeclampsia / HELLP  107. Gestational diabetes  108. Henoch schönlein purpura  22. Cognitive disorders (delirium)  109. Chronic kidney failure  110. Metabolic syndrome  111. Nephrotic syndrome  112. Obesity  113. Polysitemia  25. Sepsis  26. Fluid electrolyte disorders  27. Shock  29. Upper gastrointestinal system bleeding  114. Foreign body aspiration |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 115. Decubitis ulcers  13. Dehydration  116. Iron deficiency anemia  117. Diabetes mellitus  118. Essential hypertension  119. Gastroenteritis  120. Gastroesophageal reflux  121. Goiter  122. Hemorrhoids  123. Hypothyroidism  19. Drug side effects  20. Vitamin K deficiency  70. Chronic lung disease  124. Malnutrition  125. Megaloblastic anemia  126. Peptic disease  127. Urinary system infections  28. Urticaria and angioedema  128. Upper respiratory tract infections |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 32. Lung cancer  3. Acute kidney failure  102. Acute hepatitis  103. Acute rheumatic fever  34. Amyloidosis  8. Anaphylaxis  115. Decubitis ulcers  37. Head and neck cancers  12. Crush injury  13. Dehydration  116. Iron deficiency anemia  41. Skin tumors  106. Dyslipidemia  117. Diabetes mellitus  118. Essential hypertension  119. Gastroenteritis  45. Cancers of the gastrointestinal tract  120. Gastroesophageal reflux  121. Goiter  47. Gout disease  48. Hemoglobinopathies  122. Hemorrhoids  19. Drug side effects  57. Irritable bowel disease  20. Vitamin K deficiency  62. Liver cirrhosis  63. Cyst hydatid disease  22. Cognitive disorders  66. Colorectal cancers  109.Chronic kidney failure  70. Chronic lung disease  75. Bladder cancer  110.Metabolic syndrome  112.Obezity  77. Osteoporosis  126.Peptic disease  85.Prostat cancer  89. Cervical cancer  26. Fluid electrolyte balance disorders  94. Testicular tumor  95. Thyroid cancer  127. Urinary system infection  128. Upper respiratory infection |
|  |  |
| In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases** | 115. Decubitis ulcers  106. Dyslipidemia  117. Diabetes Mellitus  118. Essential hypertension  120. Gastroesophageal reflux  107. Gestational diabetes  121. Goiter  52. Hepatosteatosis  123. Hypothyroidism  19. Drug side effects  57. Irritable bowel syndrome  22. Cognitive disorders  109. Chronic kidney failure  70. Chronic obstructive pulmonary disease  124. Malnutrition  125. Megaloblastic anemias  110. Metabolic syndrome  112. Obesity  126. Peptic injury  82. Polycystic ovary syndrome  88. Secondary hypertension |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Internal Medicine clerkship period.

|  |  |
| --- | --- |
| **INTERNAL MEDICINE CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. Airway" application  2. Head and neck examination  3. Consciousness assessment and mental state examination  4. Digital rectal examination  5. To be able to read and evaluate direct radiographs  6. ECG capturing and evaluation  7. To be able to intubation  8. Ability to take biological sample from the patient  9. IM / IV / SC / ID injection  10. Ability to insert urine catheter  11. To provide advanced life support  12. Ability to wash the stomach  13. To be able to make a minimental examination  14. To be able to apply nasogastric catheter  15. Neurological examination  16. Peripheral smear and evaluation  17. To be able to apply PPD test  18. Ability to organize reporting and notification  19. To be able to give health education to the society  20. To be able to fight infectious diseases in the society |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 21. Rational drug use  22. Anthropometric measurements  23. Illumination and getting consent  24. Abdominal examination  25. Being able to apply the principles of working with biological material  26. To be able to provide decontamination, disinfection, sterilization, antisepsis  27. Skin examination  28. Hand washing  29. To prepare epicrisis  30. Evaluation of general condition and vital signs  31. To be able to take general and problematic stories  32. Glaskow coma scale evaluation  33. To be able to follow blood sugar with glucometer  34. To prepare patient file  35. To be able to refer patients appropriately  36. To ensure that the patient is properly transported  37. To be able to measure blood pressure  38. To measure and evaluate bleeding time  39. Capillary blood sample collection  40. Cardiovascular system examination  41. To be able to fill the request form for laboratory examination  42. To be able to take the laboratory sample under appropriate conditions and deliver it to the laboratory.  43. Breast and axillary examination  44. To be able to evaluate the mental state  45. To be able to apply oxygen and nebul ‐ inhaler treatment  46. ​​To be able to issue a death certificate  47. To be able to issue a recipe  48. Ability to provide proper protection and transportation for the cold chain  49. Respiratory system examination  50. To be able to analyze and evaluate complete urine  51. To be able to prepare refusal of treatment document  52. Providing basic life support |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Internal Medicine clerkship period

|  |  |
| --- | --- |
| **INTERNAL MEDICINE CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | 2. Addiction  a. Alcohol  b. Tobacco  c. Drug |
|  | 5. Environment and health interaction  a. Healthy nutrition and food policies  b. Space and health  c. Urbanization  D. Environmental diseases  to. Exposure to harmful environmental factors (air pollution, water pollution, chemicals, biocidal products, endocrine disrupter, wastes, etc.)  14. Chronic / Noncommunicable Diseases  a. Monitoring and prevention of risk factors  b. Management  c. Multimorbidity  d.The burden of the caregiver and the giver to.  e. Indicators related to chronic diseases and inequalities arising from their distribution in societ  f. Psycho-social aspects of symptoms and conditions such as chronic pain, dementia, sleep problems and depression |
|  |  |
|  | 19. Priority / disadvantaged groups  c. Elders  25. Health conditions  a. Nutrition  b. Physical, mental activity and exercise  c. Sedentary life  l. Immunization  35. Aging  a. The burden of the caregiver and the caregiver  b. Elderly neglect and abuse  c. Multi-morbidity and polypharmacy  d. Improving elderly health  e. Maintaining functionality  f. Fragility  g. Loneliness and social support needs  h. Autonomy |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **INTERNAL MEDICINE CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### **4. INTERNAL MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM**

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION IV INTERNAL MEDICINE CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | |
| **DAYS** | **SUBJECT OF THE LESSON** | **LESSON TIME** | **TEACHING STAFF** |
| **Monday** | **1. WEEK** | | |
| **Information About Internship and Ethical and Professional Values in Clinical Practice** | 08:00 - 09.00 | **Head of Department** |
| Semiology (Taking an anamnesis) | 09.30-10.00 | **F. ERDEM MD** |
| Clinical Practice \*\* | 10.30-12.00 |  |
| Diabetes Mellitus and complications-1 (DT-P-F) | 13.30-14.30 | **İ. ÇAPOĞLU MD** |
| Applied Skills \*\*\* | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Approach to GIS Bleeding Patient (Pre-D-D) | 08:00-09.00 | **F. ALBAYRAK MD** |
| **General Status Examination** | 09:30-10.00 | **P.T.TAŞAR MD** |
| Clinical Practice | 10.30-12.00 |  |
| Abnormalities in the blood count and Peripheral Blood Smear Evaluation (Pre-D) | 13.30-14.30 | **F. ERDEM MD** |
| Independent Working Hour | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Diabetes Mellitus and complications-2 (DT-P-F) | 08:00 - 09.00 | **İ. ÇAPOĞLU MD** |
| Approach to the patient with anemia and differential diagnosis of hypoproliferative anemias (+ Aplastic anemia) (Pre-D) | 09.30-10.30 | **G. SİNCAN MD** |
| Clinical Practice | 10.30-12.00 |  |
| **Elective / Freelance Work** | **13.30-16.00** | |
| **Thursday** |  |  |  |
| Differential diagnoses of Acquired Non-Immune Hemolytic Anemias (Pre-D) | 08.00-09.00 | **G. SİNCAN MD** |
| **Gastrointestinal System Semiology (Abdominal Examination)** | 09.30-10.00 | **B. ALBAYRAK MD** |
| Clinical Practice | 10.30-12.00 |  |
| Approach to the Patient with Ascites (Pre-D-D) | 13.30-14.30 | **F.ALBAYRAK MD** |
| Independent Working Hour | 14.30-16.00 |  |
| **Friday** |  |  |  |
| Liver Cirrhosis – 1 (Pre-D-P) | 08:00-09.00 | **Ö. YILMAZ MD** |
| **Geriatric Semiology** | 09.30-10.00 | **P.T.TAŞAR MD** |
| Clinical Practice | 10.30-12.00 |  |
| Differential Diagnosis of Acquired Immune Hemolytic Anemias (Pre-D) | 13.30-14.30 | **F.ERDEM MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **2. WEEK** | | |
| Iron deficiency anemia (DT-P-F) | 08:00-09.00 | **F.ERDEM MD** |
| **Hematopoietic System Semiology and Head and Neck Examination** | 09:30-10:00 | **G. SİNCAN MD** |
| Clinical Practice | 10.30-12.00 |  |
| Liver Cirrhosis – 2 (Pre-D-P) | 13.30-14.30 | **Ö. YILMAZ MD** |
| Applied Skills | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Functional Gastrointestinal System Diseases (Pre-D) | 08:00-9.00 | **H. DURSUN MD** |
| **Case-Based Learning (CBL)** | 09:30-10.30 |  |
| Clinical Practice | 10.30-12.00 |  |
| Macrocytic anemias and Megaloblastic Anemias (DT-P-F) | 13.30-14.30 | **G.SİNCAN MD** |
| Applied Skills | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Lymphoproliferative Diseases (Pre-D) | 08:00-09.00 | **G.SİNCAN MD** |
| Peptic Ulcer Disease (DT-P-F) | 09:30-10.30 | **H. DURSUN MD** |
| Clinical Practice | 10:30-12:00 |  |
| **Elective / Freelance Work** | 13.30-16.00 | |
| **Thursday** |  |  |  |
| Gastroesophageal Reflux Disease (DT-P-F) | 08.00-09.00 | **H.DURSUN MD** |
| **Locomotor System Semiology** | 09.30-10:30 | **Ö.KUDAŞ MD** |
| Clinical Practice | 10:30-12.00 |  |
| Acute Leukemias (Pre-D) | 13.30-14.30 | **F.ERDEM MD** |
| Independent Working Hour | 15.30-16.00 |  |
| **Friday** |  |  |  |
| Blood and Blood Product transfusion complications (Pre-D) | 08:00-09.00 | **F.ERDEM MD** |
| **Respiratory System Semiology and cardiac cemiology** | 09.30-10.00 | **A. BİLEN MD** |
| Clinical Practice | 10.30-12.00 |  |
| Malabsorption Syndromes - 1 (Pre-D-D) | 13.30-14.30 | **B.ALBAYRAK MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **3. WEEK** | | |
| Malabsorption Syndromes – 2 (Pre-D-D) | 08:00-09.00 | **B.ALBAYRAK MD** |
| **Endocrin System Semiology** | 09.30-10.00 | **A.BİLEN MD** |
| Clinical Practice | 10.30-12.00 |  |
| Hemachromatosis (Pre-D) | 13.30-14.30 | **G.SİNCAN MD** |
| Applied Skills | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Inflammatory Bowel Diseases (Pre-D-F) | 08:00-09.00 | **F. ALBAYRAK MD** |
| **Case-Based Learning (CBL)** | 09.30-10.30 |  |
| Clinical Practice | 10.00-10.30 |  |
| Approach to bleeding diathesis and thrombosis (Pre-D) | 13.30-14.30 | **F.ERDEM MD** |
| Applied Skills | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Pancreatic Diseases – 1 (Pre-D-D) | 08:00-09.00 | **Ö. YILMAZ MD** |
| Hematopoietic Stem Cell Transplantation | 09:30-10:30 | **G.SİNCAN MD** |
| Clinical Practice | 10:30-12:00 |  |
| **Elective / Freelance Work** | 13.30-16.00 | |
| **Thursday** |  |  |  |
| Myeloproliferative Diseases (Pre-D) | 08.00-09.00 | **F.ERDEM MD** |
| **Urinary System Semiology** | 09.30-10:30 | **C.SEVİNÇ MD** |
| Clinical Practice | 10.30-12.00 |  |
| Pancreatic Diseases – 2 (Pre-D-D) | 13.30-14.30 | **Ö. YILMAZ MD** |
| Applied Skills | 14.30-16.00 |  |
| **Friday** |  |  |  |
| Tumors of the Gastrointestinal Tract (Pre-D-P) | 08:00-09.00 | **F. ALBAYRAK MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Plasma Cell Diseases (+ Amyloidosis) (Pre-D) | 13.30-14.30 | **G.SİNCAN MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **4. WEEK** | | |
| Chronic Hepatitis (D-P) | 08:00-09.00 | **H. DURSUN MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Dyslipidemia (D-P-F) | 13.30-14.30 | **G.AKÇAY MD** |
| Applied Skills | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Diabetes Insipitus and Inappropriate ADH Syndrome (Pre-D) | 08:00-09.00 | **İ.ÇAPOĞLU MD** |
| **Case-Based Learning (CBL)** | 09.30-10.30 |  |
| Clinical Practice | 10.30-12.00 |  |
| Diagnostic Methods Used in Nephrology | 13.30-14.30 | **C. SEVİNÇ MD** |
| Applied Skills | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Endocrine Hypertension (Pre-D) | 08:00-09.00 | **G. AKÇAY MD** |
| Acute Kidney Injury (E-D-P-F) | 09:30-10:00 | **C. SEVİNÇ MD** |
| Clinical Practice | 10.30-12.00 |  |
| **Elective / Freelance Work** | 13.30-16.00 | |
| **Thursday** |  |  |  |
| Calcium Metabolism Disorders - 1 (E-D-P) | 08.00-09.00 | **H. BİLEN MD** |
| **Semiology** | 09.30-10.30 |  |
| Clinical Practice | 10:30-12.00 |  |
| Chronic Kidney Disease (E-D-P-F) | 13.30-14.30 | **E. ÇANKAYA MD** |
| Applied Skills | 14.30-16.00 |  |
| **Friday** |  |  |  |
| Calcium Metabolism Disorders - 2 (E-D-P) | 08:00-09.00 | **H.BİLEN MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Renovascular Hypertension (Pre-D-F) | 13.30-14.30 | **A. UYANIK MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **5. WEEK** | | |
| Approach to Proteinuria -1 (E-Pre-D-D-P) | 08:00-09.00 | **C.SEVİNÇ MD** |
| **Semiology** | 09.30-10.00 | **G.SİNCAN MD** |
| Clinical Practice | 10.30-12.00 |  |
| Hyperthyroidism (Pre-D) + Hypothyroidism (DT-F) | 13.30-14.30 | **İ.ÇAPOĞLU MD** |
| Applied Skills | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| MEN VE OPS (Pre-D) | 08:00-09.00 | **G.AKÇAY MD** |
| **Case-Based Learning (CBL)** | 09.30-10:30 |  |
| Clinical Practice | 10:30-12:00 |  |
| Primary Hypertension and Emergency Hypertension (Pre-D-F) | 13.30-14.30 | **A.UYANIK MD** |
| Applied Skills | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| PCOS and Hirsutism (Pre-D) | 08:00-09.00 | **H.BİLEN MD** |
| Acid-Base Balance Disorders (A) | 09:30-10:30 | **C. SEVİNÇ MD** |
| Clinical Practice | 10:30-12:00 |  |
| **Elective / Freelance Work** | 13.30-16.00 | |
| **Thursday** |  |  |  |
| Pituitary disorders (Pre-D) | 08.00-09.00 | **H.BİLEN MD** |
| **Semiology** | 09.30-10:30 |  |
| Clinical Practice | 10.30-12.00 |  |
| Crush Syndrome (E-D-P) | 13.30-14.30 | **A. UYANIK MD** |
| Applied Skills | 14.30-16.00 |  |
| **Friday** |  |  |  |
| Obesity and Metabolic Syndrome (D-P-F) | 08:00-09.00 | **G.AKÇAY MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Tubulointerstitial Diseases (Pre-D) | 13.30-14.30 | **E. ÇANKAYA MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **6. WEEK** | | |
| Goiter and Thyroid Cancers (Pre-D-P) | 08:00-09.00 | **G.AKCAY MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Fluid Electrolyte Balance Disorders - 1 (D-E-P) | 13.30-14.30 | **E.ÇANKAYA MD** |
| Applied Skills | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Alcohol use and related diseases | 08:00-09.00 | **A.BİLEN MD** |
| **Case-Based Learning (CBL)** | 09:30-10:30 |  |
| Clinical Practice | 10.30-12.00 |  |
| Fluid Electrolyte Balance Disorders - 2 (D-E-P) | 13.30-14.30 | **E. ÇANKAYA MD** |
| Applied Skills | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Bladder and Testicular Tumors (PreD-P) | 08:00-09.00 | **S. B. TEKİN MD** |
| Diagnostic Methods in Oncology-Ovarian Tumors | 09:30-10:00 | **M. BİLİCİ MD** |
| Clinical Practice | 10:30-12:00 |  |
| **Elective / Freelance Work** | 13:30-16:00 | |
| **Thursday** |  |  |  |
| Screening Methods of Risk Factors in Cancer and Prevention | 08.00-09.00 | **M. BİLİCİ MD** |
| **Semiology** | 09.30-10:30 |  |
| Clinical Practice | 10:30-12.00 |  |
| Cognitive Disorders in the Elderly (D) | 13.30-14.30 | **P.T.TAŞAR MD** |
| Applied Skills | 14.30-16.00 |  |
| **Friday** |  |  |  |
| Metastatic Tumors Without Primer | 08:00-09.00 | **S. B. TEKİN MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Malnutrition in the Elderly (D) | 13.30-14.30 | **P.T.TAŞAR MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **7. WEEK** | | |
| Basic Principles and side effects of Chemotherapy (E-Pre-D-D-P) | 08:00-09.00 | **M. BİLİCİ MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Polypharmacy and Drug Side Effects in the Elderly (D) | 13.30-14.30 | **P.T.TAŞAR MD** |
| Applied Skills | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Vaccination in the Geriatric Population (D) | 08:00-09.00 | **P.T.TAŞAR MD** |
| **Case-Based Learning (CBL)** | 09:30-10:30 |  |
| Clinical Practice | 10.30-12.00 |  |
| Nicotine use | 13.30-14.30 | **A. BİLEN MD** |
| Applied Skills | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Common Cancers | 08:00-09.00 | **S. B. TEKİN MD** |
| Granulomatous Diseases (Pre-D) | 09:30-10:00 | **A. BİLEN MD** |
| Clinical Practice | 10:30-12:00 |  |
| **Elective / Freelance Work** | 13:30-16:00 | |
| **Thursday** |  |  |  |
| Familial Mediterranean Fever (Pre-D) | 08.00-09.00 | **Ö. KUDAŞ MD** |
| **Semiology** | 09.30-10:30 |  |
| Clinical Practice | 10:30-12.00 |  |
| Oncological Emergencies (E) | 13.30-14.30 | **M. BİLİCİ MD** |
| Applied Skills | 14.30-16.00 |  |
| **Friday** |  |  |  |
| Systemic lupus erythematosus (Pre-D) | 08:00-09.00 | **Ö. KUDAŞ MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| Paraneoplastic Syndromes (Pre-D) | 13.30-14.30 | **M. BİLİCİ MD** |
| Applied Skills | 14.30-16.00 |  |
| **Monday** | **8. WEEK** | | |
| Cancer Immunology | 08:00-09.00 | **S. B. TEKİN MD** |
| **Semiology** | 09.30-10.00 |  |
| Clinical Practice | 10.30-12.00 |  |
| General approach to vasculitis-1 (Pre-D) | 13.30-14.30 | **Ö. KUDAŞ MD** |
| Independent Working Hour | 14.30-16.00 |  |
| **Tuesday** |  |  |  |
| Palliative Treatment in Oncology | 08:00-09.00 | **S. B. TEKİN MD** |
| **Semiology** | 10.00-10.30 |  |
| Clinical Practice | 10.30-12.00 |  |
| General approach to vasculitis-2 (Pre-D) | 13.30-14.30 | **Ö. KUDAŞ MD** |
| Independent Working Hour | 14.30-16.00 |  |
| **Wednesday** |  |  |  |
| Anaphylaxis (Pre-D) | 08:00-09.00 | **Ö.KUDAŞ MD** |
| Urinary and Fecal Incontinence in the Elderly (D) | 09.30-10.30 | **P.T.TAŞAR MD** |
| Clinical Practice | 10.30-12.00 |  |
| Anamnesis (Exam Anamnesis) | 13.30-14.30 |  |
| Independent Working Hour | 14.30-16.00 |  |
| **Thursday** | Verball (Practical) Exam |  |  |
| **Friday** | Written (Theoretical) Exam |  |  |

**\*** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

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### 5. MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical lesson** | Practical  lesson | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| INT 001 | Taking an anamnesis | Dr. F. Erdem | 1 |  | 1-85 | 1-128 | 1-52 | 5a, 14abc, 25abc |
| INT 002 | Diabetes Mellitus and complications- | Dr. I. Çapoğlu | 2 |  | 2, 17, 25, 34, 53, 63, 65, 66, 81, 84 | 18, 106, 117 | 31, 33 | 5a, 14abc, 25abc |
| INT 003 | Approach to GIS Bleeding Patient | Dr.F Albayrak | 1 |  | 6, 21, 35, 48, 49, 59 | 7, 27, 29, 45, 66, 116, 122 | 4, 24, 30 | - |
| INT 004 | General Status Inspection | Dr.Ö. Topdağı | 1 |  | 1, 2, 3, 11, 25, 31, 32, 37, 38, 39, 40, 41, 43, 45, 46, 51, 62, 83, 84, 85 | 2, 5, 9, 10, 13, 15, 16, 17, 26 | 1, 2, 3, 5, 6, 7, 9, 10, 30, 31, 33, 34, 37, 41, 47 | 5a, 14abc, 25abc |
| INT 005 | Abnormalities in the blood count | Dr. F. Erdem | 1 |  | 6, 11, 12, 13, 18, 21, 34, 38, 43, 47, 64 | 35, 50, 61, 73, 116 | 16, 38 | 5e |
| INT 006 | Approach to the patient with anemia and differential diagnosis of hypoproliferative anemias (+ Aplastic anemia) | Dr. G.Sincan | 1 |  | 6, 11, 12, 13, 18, 21, 34,38, 43, 47, 64 | 35, 50, 60, 61, 116 | 16, 38 | 5e |
| INT 007 | Differential Diagnosis of Acquired Immune Hemolytic Anemias | Dr. G.Sincan | 1 |  | 6, 21, 34, 70,  73 | 48, 50, 61 | 24, 31 | - |
| INT 008 | Abdominal Examination | Dr. B. Albayrak | 1 |  | 1, 8, 9, 17,26, 27, 29, 30,33, 35 | 5, 29, 30, 33, 42, 45, 59, 62, 65, 81, 112 | 4, 10, 12, 24 | - |
| INT 009 | Approach to the Patient with Ascites | Dr. F. Albayrak | 1 |  | 1, 6, 14, 23, 25, 27, 34,40, 43, 44, 47,50, 59, 70, 73, 76 | 29, 45, 62, 81, 128, 109, 111 | 15, 24 | 15, 24 |
| INT 010 | Liver Cirrhosis | Dr. Ö. Yılmaz | 2 |  | 1,6,14, 23,25, 27, 34,40, 43, 44, 47, 50, 59, 70, 73, 76 | 20, 29, 61, 62, 81, 100 | 15, 24 | 15, 24 |
| INT 011 | Differential diagnoses of Acquired Non-Immune Hemolytic Anemias | Dr. I. Kiki | 1 |  | 6, 21, 34, 70,  73 | 48, 61 | 24, 31 | - |
| INT 012 | Differential diagnosis of macrocytic anemias and Megaloblastic Anemias | Dr. F. Erdem | 1 |  | 3, 6, 12, 13, 21, 25, 34, 43, 69, 77 | 19, 35, 61, 70, 80, 123, 125 | 16 | 5a |
| INT 013 | Head and Neck Examination | Dr. G.Sincan | 1 |  | 3, 15, 16, 18 | 8, 13, 28, 37, 41, 95, 96, 121, 128 | 1, 2 | - |
| INT 014 | Functional Gastrointestinal System Diseases | Dr. H.Dursun | 1 |  | 1, 17, 26, 27, 29, 34, 43, 45, 48, 84 | 5, 31, 42, 45, 46, 57, 59, 66, 74, 92 | 4, 24, 30 | - |
| INT 015 | Iron deficiency anemia and differential diagnosis of Microcytic Anemias | Dr. G.Sincan | 1 |  | 3, 6, 12, 21, 25, 26, 28, 34, 43, 69 | 29, 45, 46, 60, 61, 116, 122 | 16, 31 | 5a |
| INT 016 | Approach to the patient with lymphadenopathy and Lymphoproliferative Diseases | Dr. I. Kiki | page290image3680208 |  | 6, 11, 21, 34, 38, 43, 47, 58, 64, 73 | 61, 72 | 16, 30 | - |
| INT 017 | Peptic Ulcer Disease | Dr. H.Dursun | 1 |  | 1, 17, 27, 48,  55 | 29, 33, 45, 62, 116, 124 | 24 | - |
| INT 018 | Gastroesophageal Reflux Disease | Dr. H.Dursun | 1 |  | 1, 17, 27, 48, 55 | 19, 29, 45, 46, 120, 126 | 26, 31 | - |
| INT 019 | Approach to the patient with splenomegaly and Chronic Leukemias | Dr. F. Erdem | 1 |  | 6, 11, 21, 34, 38, 43, 47,58, 64, 73 | 24, 50, 61, 73, 124 | 16, 30 | - |
| INT 020 | Approach to the patient with splenomegaly and Myelopiroliferative Disease | Dr. I. Kiki | 1 |  | 13, 22, 35,47, 73 | 29, 47, 61, 73 | 24 | 14abc |
| INT 021 | Cardiac Semiology | Dr. A. Bilen | page290image57688321 |  | 21, 28, 34, 46, 71, 79 | 2, 3, 9, 16, 21, 26, 103, 105, 106, 110 | 6, 11, 37, 40, 52 | 14abc |
| INT 022 | Malabsorption Syndromes | Dr. B. Albayrak | 2 |  | 1, 3, 6, 11,17, 27, 29, 34,35, 43, 48, 49,53, 59 | 11, 13, 20, 26, 36, 46, 59, 74, 105, 124 | 4, 24, 31 | 14abc |
| INT 023 | Respiratory System Semiology | Dr. Ö. Topdağı | 1page290image5779232 |  | 21, 28, 34, 46, 71, 79 | 2, 8, 10, 32, 70, 128 | 1, 5, 7, 11, 45, 49, 52 | 14abc |
| INT 024 | Approach to bleeding diathesis and thrombosis | Dr. I. Kiki | 1 |  | 6, 21, 31, 32, 34, 42, 47 | 25, 51, 61, 62, 76, 90, 99, 101, 109, 111, 116, | 5, 16, 27, 38 | 14abc |
| INT 025 | Inflammatory Bowel Diseases | Dr. F. Albayrak | page290image57863041 |  | 1, 3, 6, 11,17, 27, 29, 34,35, 43, 48, 49,53, 59 | 7, 11, 13, 20, 25, 26, 36, 61, 74, 104, 116, 124 | 4, 24, 31 | 14abc |
| INT 026 | Differential diagnosis of ITP | Dr. F. Erdem | 1 |  | 6, 11, 21, 34, 38, 43, 47,58, 64, 73 | 19, 25, 29, 61, 90, 101 | 16, 30 | 14abc |
| INT 027 | Pancreatic Diseases | Dr. Ö. Yılmaz | 1 |  | 1, 11, 17, 43, 48, 55 | 3, 5, 9, 10, 11, 13, 25, 26, 27, 29, 71, 74, 124 | 24 | - |
| INT 028 | Acute Leukemias | Dr. G.Sincan | 1 |  | 6, 11, 21, 34, 38, 43, 47,58, 64, 73 | 61, 73 | 16, 30 | 5e |
| INT 029 | Blood and blood product transfusion complications | Dr. I. Kiki | 1 |  | 11, 17, 21, 42, 51 | 2, 6, 8, 9, 10, 11, 16, 23, 26, 27, 28, 50, 61 | 9, 30 | - |
| INT 030 | Tumors of the Gastrointestinal Tract | Dr. F. Albayrak | 1 |  | 1, 6, 17, 23, 26, 27, 34,35, 43, 48, 49,53, 59 | 5, 7, 29, 45, 66, 79, 116, 124 | 4, 12, 24 | 5e, 14abc |
| INT 031 | Endocrine System Semiology | Dr. A. Bilen | 1 |  | 2, 5, 12, 13, 14, 21, 28,34, 40, 41, 42,43, 44, 52, 53,60, 68, 69, 74,76, 81, 83 | 1, 14, 18, 40, 43, 44, 53, 54, 55,56, 67, 77, 82, 95,96, 98, 112, 117, 123 | 27, 30, 35, 37 | 5ae, 14abc, 25abc |
| INT 032 | Plasma Cell Disorders | Dr. G.Sincan | 1 |  | 6, 11, 21, 34, 38, 43, 47,58, 64, 73 | 3, 11, 24, 25, 26, 61, 73, 109 | 16, 30 | - |
| INT 033 | Chronic Hepatitis | H. DURSUN | 1 |  | 25, 73 | 20, 23, 29, 61, 62, 69, | 24, 30, 31, 32, 34, 35 | 14abc, 25ı |
| INT 034 | Urinary System Semiology | C. SEVINÇ | 1 |  | 9, 17, 19, 20, 23, 25, 34,36, 39, 40, 43,47, 54, 65, 66,67, 83, 84 | 3, 4, 12, 13, 19, 26, 39, 68, 97, 109, 111, 118, 127 | 10, 34, 37, 47, 50 | 5a, 14a, 25a, 25c |
| INT 035 | Dyslipidemia | G. Akçay | 1 |  | 81, 83, 84 | 14, 19, 106, 111, 112 | 19, 31, 34, 41, 47 | 4ae, 14a |
| INT 036 | Diabetes Insipitus and Inappropriate ADH Syndrome | I.ÇAPOĞLU | 1 |  | 9, 66 | 11, 13, 26, 43 | 10, 21, 41, 42 | 1ae, 14abc, 25abl |
| INT 037 | Diagnostic Methods Used in Nephrology | C. SEVINÇ | 1 |  | 9, 19, 20, 30, 36, 39, 40,42, 46, 52, 65,66, 67, 80, 82, 83 | 2, 3, 4, 11, 12,13, 16, 21, 22, 26, 109 | 10, 41, 42 | 5ae, 14abc |
| INT 038 | Endocrine Hypertension | G. Akçay | 1 |  | 4, 21, 22, 39, 40, 46 | 16, 44, 53, 54, 55 | 21, 30, 31, 33, 41, 42, 47 | 4ae, 14abc |
| INT 039 | Acute kidney injury | C. SEVINÇ | 1 |  | 36, 43, 65,66, 67 | 2, 3, 4, 9, 11, 13, 16, 26, 30, 34,38, 51, 68, 87, 90,91, 99, 108, 109, 111, 117, 118 | 3, 4, 11, 12, 13, 15, 19 | 5ae, 14abc |
| INT 040 | Calcium Metabolism Disorders | H. BILEN | 2 |  | 4, 14, 19, 34, 45, 50, 55, 66, 67, 75 | 11, 12, 13, 19, 24, 26, 27, 53, 56, 79 | 3, 6, 8, 34, 35, 40, 41, 42, 44 | 5ae, 14abc |
| INT 041 | Chronic Kidney Disease | C. SEVINÇ | 1 |  | 9, 12, 13, 14, 17, 19, 20,23, 25, 34, 39,42, 43, 44, 45,47, 51, 52, 53,61, 66, 67, 69,83, 84 | 2, 3, 4, 9, 11, 13, 16, 26, 30, 34,38, 51, 68, 87, 90,91, 99, 108, 109,111, 117, 118 | 29, 30, 34, 35, 37, 41, 42 | 5ae, 14abc |
| INT 042 | Locomotor System Semiology | P. T. TAŞAR | 1 |  | 24, 31, 32, 34 | 30, 38, 47, 53, 56, 63, 77, 79, 83, 86, 87, 90, 91, 92, 123 | 30, 31, 34, 35, 36, 37, 41, 42, 47 | 5ae, 14abc |
| INT 043 | Approach to Proteinuria | C. SEVINÇ | 2 |  | 9, 11, 13, 14, 17, 28, 30,36, 37, 39, 40,46, 55, 56, 61,66, 67, 79, 83,84, | 2, 3, 4, 9, 11, 13, 16, 26, 30, 34,38, 51, 68, 87, 90,91, 99, 108, 109, 111, 117, 118 | 3, 5, 6, 10, 21, 24, 30, 31, 34, 35, 37, 40, 41, 44, 45, 47, 49, 50 | 5a, 14abc |
| INT 044 | Hematopoietic System Semiology | G. SINCAN | 1 |  | 4, 5, 11, 12, 13, 14, 16,21, 28, 34, 38,43, 46, 49, 53,58, 64, 70, 73,77, 79, 80, 84 | 19, 20, 21, 25,34, 35, 36, 37, 48,49, 50, 51, 60, 61,72, 73, 76, 90, 99, 113, 116, 125 | 2, 3, 5, 8, 16, 18, 19, 21, 24, 30, 31, 34, 38, 39, 42, | 5a, 14abc |
| INT 045 | Hyperthyroidism + Hypothyroidism | I.ÇAPOĞLU | 1 |  | 3, 4, 5, 6, 7, 11, 12, 13,14, 16, 19,20, 21, 22,24, 25,26, 28, 34, 39,40, 41, 43,44, 45, 46,50, 51,52, 53, 61, 68,69, 74, 76,77, 79, 81, 84 | 2, 11, 13, 16, 18, 21, 22, 23, 26,54, 55, 88, 95, 96, 106, 112 | 1, 2, 3, 5, 8, 15, 18, 19, 30, 31, 34, 35, 37, 40, 41, 42, 44, | 14abc |
| INT 046 | MEN VE OPS | G.AKÇAY | 1 |  | 2, 5, 7, 12,13, 14, 19, 20,34, 39, 41, 50,52, 53, 57, 65,66, 68, 69, 74,75, 76 | 1, 11, 18, 26, 40, 43, 44, 53, 54,55, 56, 77, 88 | 1, 2, 3, 5, 8, 15, 18, 19, 30, 31, 34, 35, 37, 40, 41, 42, 44 | 5a, 14abc |
| INT 047 | Primary Hypertension and Emergency Hypertension | A.UYANIK | 1 |  | 7, 9, 12, 13, 14, 21, 22,24, 28, 36, 37,39, 40, 42, 46,56, 61, 79, 81,83, 84 | 2, 3, 4, 9, 11, 16, 19, 21, 26, 44, 88 | 3, 5, 6, 7, 10, 11, 15, 19, 21, 30, 31, 34, 35, 37, 40, 44, 45, 47, 49, 50, 52 | 5a, 14abc |
| INT 048 | PCOS and Hirsutism | H.BILEN | 1 |  | 5, 19, 20, 41, 52, 53, 57, 68, 69, | 82, 106, 110, 112, 117 | 30, 31, 34, 41, | -5a, 14abc |
| INT 049 | Renovascular Hypertension | A. UYANIK | 1 |  | 7,9,12, 13,14, 21, 22,24, 28, 36, 37,39, 40, 42, 46,56, 61, 79, 81,83, 84 | 2, 3, 4, 9, 11, 16, 19, 21, 26, 40,44, 54, 68, 88 | 3, 5, 6, 7, 10, 11, 15, 19, 21, 30, 31, 34, 35, 37, 40, 44, 45, 47, 49, 50, 52 | 5a, 14abc |
| INT 050 | Pituitary disorders | H.BILEN | 1 |  | 2, 5, 13, 14, 20, 22, 24,34, 41, 44, 45,50, 52, 57, 65,66, 68, 69, 74,77, | 1, 11, 13, 18, 22, 23, 26, 27, 40,43, 54, 55, 77, 98 | 3, 13, 15, 30, 31, 34, 37, 40, 41, 44, | 5a, 14abc |
| INT 051 | Crush Syndrome | A. UYANIK | 1 |  | 9, 14, 34, 39, 40, 46, 50,56, 61, 66, 79, 83 | 2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109 | 1, 3, 6, 7, 10, 11, 19, 30, 31, 32, 34, 35, 36, 37, 40, 41, 45, 46, 50, 52 | 5a, 14abc |
| INT 052 | Tubulointerstitial Diseases | E. ÇANKAYA | 1 |  | 9, 17, 21, 30, 36, 39, 42,46, 50, 61, 66,79, 83, 84 | 2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109 | 8, 10, 11, 21, 30, 31, 34, 35, 37, 40, 41, 50 | 5e, 14abc |
| INT 053 | Geriatric Semiology | P. T. TAŞAR | 1 |  | 33, 34, 42,43, 45, 53, 77,79, 80, 83, 84, 85 | 13, 19, 22, 26, 77, 124 | 3, 13, 21, 34, | 1b, 14abcdef |
| INT 054 | Obesity and Metabolic Syndrome | G.AKÇAY | 1 |  | 2, 13, 34, 39, 44 | 18, 40, 47, 82, 106, 110, 117, 123 | 6 | 5ae, 14abc |
| INT 055 | Fluid Electrolyte Balance Disorders | E. ÇANKAYA | 2 |  | 12, 13, 14,24, 34, 77, 79 | 3, 11, 12, 13, 19, 26, 27, 79, 98, 109 | 3, 10, 15, 21, 30, 31, 37, 40, 41, 49, 50, 52 | 14abc, 19c, 35abcdefgh |
| INT 056 | Renal Replacement Therapies | C. SEVINÇ | 1 |  | 9, 17, 20, 25, 34, 39, 40,43, 46, 51, 56,61, 79, 80, 81, 84 | 2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109 | 5, 6, 10, 30, 31, 37, 40, 44, 49 | 5e, 14abc |
| INT 057 | Cancer Formation Mechanisms Carcinogenesis | S. B. TEKIN | 1 |  | 6, 12, 34, 53, 59, 79, 80 | 19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95 | 1, 2, 4, 19, 42, 52 | 5ae |
| INT 058 | Diagnostic Methods in Oncology | M. BILICI | 1 |  | 6, 12, 13, 17, 26, 34, 40,43, 45, 70, 79 | 19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95 | 1, 2, 3, 4, 5, 6, 7, 8, 11, 34, 35, 47 | 5ae |
| INT 059 | Screening Methods of Risk Factors in Cancer and Prevention | M. BILICI | 1 |  | 6, 12, 13, 17, 26, 34, 40, 43, 45, 70, 79 | 19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95 |  | 5ae, 14abc, 25abc, |
| INT 060 | Cognitive Disorders in the Elderly | P. T. TAŞAR | 1 |  | 4, 14, 42, 77, 79, 81, 83,85, | 9, 13, 22, 26, 77, 115, 124 | 13, 15, 21, 31, 32, 34, 35, 44, 46, 47, 52 | 5ae, 14abc, 19c |
| INT 061 | Metastatic Tumors Without Primer | S. B. TEKIN |  |  | 43, 62, 69, 79 | 19, 24, 26, 32, 41, 45, 61, 66, 75, 85, 89, 94, 95 | 1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52 | 5ae, 14abc, 25abc |
| INT 062 | Malnutrition in the Elderly | P. T. TAŞAR | 1 |  | 1, 26, 34, 42, 43, 45, 53, 79, 84, 85, | 18, 19, 77, 124, 125 | 21, 22, 47 | 5ae, 14abc, 19c,  25abc, |
| INT 063 | Basic Principles of Chemotherapy - 1 | M. BILICI | 2 |  | 43, 62, 69, 79 | 19, 24, 26, 32, 41, 45, 61, 66, 75, 85, 89, 94, 95, 124 | 1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52 | 5ae, 14abc, 25abc |
| INT 064 | Polypharmacy and Drug Side Effects in the Elderly | P. T. TAŞAR | 1 |  | 2, 12, 14, 24, 33, 34, 42, 43, 45, 79, 85 | 18, 19, 20, 22, 77 | 3, 21, 30, 31, 44 | 5ae, 14abc, 19c  25abc |
| INT 065 | Vaccination in the Geriatric Population | Dr. P .T .TAŞAR | 1 |  | 80, 83, 85 | 6, 8, 28 | 18, 19, 20, 30, 31, 47, 48 | 5ae, 14abc, 19c, 35abcdefgh |
| INT 066 | Urinary and Fecal Incontinence in the Elderly | Dr. P .T .TAŞAR | 1 |  | 30, 33, 42, 66, 67 | 19, 22, 115, 124 | 15, 34, 35 | 1b, 5ae, 14abc, 19c, 25abc |
| INT 067 | Targeted Treatment in Oncology | S. B. TEKIN | 1 |  | 43, 62, 69, 79 | 24, 37, 41, 75, 78, 79, 89, 94, 95 | 1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52 | 5ae, 14abc, 25abc |
| INT 068 | Familial Mediterranean Fever | Ö.TOPDAĞI | 1 |  | 11, 31, 32, 48 | 5, 30, 34, 111 | 4, 5, 6, 24, 34, 35, 41, 42, | 5ae |
| INT 069 | Oncological Emergencies | M. BILICI | 1 |  | 43, 62, 69, 79 | 24, 41, 75, 94, 95 | 1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47,51, 52 | 5ae, 14abc, 25abc |
| INT 070 | Arthritis | Ö.TOPDAĞI | 1 |  | 31 | 30, 38, 83, 86, 87, 90, 91, 92, 93, 99 | 21, 27, 34, 35, 47 | 5ae |
| INT 071 | Paraneoplastic Syndromes | M. BILICI | 1 |  | 43, 62, 69, 79 | 24, 41, 45, 75, 94, 95 | 1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52 | 5ae, 14abc, 25abc |
| INT 072 | Cancer Immunology | S. B. TEKIN | 1 |  | 43, 62, 69, 79 | 24, 32, 37, 41, 66, 75, 94, 95, | 1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52 | 5ae, 14abc, 25abc |
| INT 073 | Henoch ‐ Schönlein purpura | A.BILEN | 1 |  | 9, 11, 31, 36, 42, 48, 51,61, 64 | 3, 4, 5, 7, 50, 99, 111 | 16, 24, 27, 30, 31, 34, 35, 36, 37, 38, 41, 42, 50, 52 | 5ae |
| INT 074 | Palliative Treatment in Oncology | S. B. TEKIN | 1 |  | 3, 14, 16, 25, 26, 42, 43,45, 48, 49, 69, 70 | 11, 13, 18, 21,22, 23, 24, 26, 27,29, 32, 45, 95, 124 | 1, 5, 21, 29, 30, 41, 42, 49, 51, 52 | 5ae, 14abc, 25abc |
| INT 075 | Systemic lupus erythematosus | A.BILEN | 1 |  | 3, 6, 11, 13, 14, 31, 32,34, 50, 53, 64 | 3, 4, 90, 91, 104, 109, 111 | 2, 5, 15, 24, 30, 31, 34, 41 | 5ae |
| INT 076 | Anaphylaxis | Ö.TOPDAĞI | 1 |  | 14, 21, 28,40, 51, 56, 61,71, 79 | 2, 6, 8, 10, 19,27, 28 | 1, 11, 12, 30, 31, 37, 40, 45, 49 | 5ae |
| INT 077 | Common Cancers | S. B. TEKIN | 1 |  | 1, 6, 8, 11,12, 13, 16, 17,23, 26, 27, 28,29, 30, 33, 34,35, 36, 37, 38,43, 45, 49, 53,58, 59, 62, 64,70, 71, 73, 79, 84 | 7, 13, 18, 21, 24, 25, 26, 29, 32,37, 41, 45, 63, 66,75, 78, 89, 94 | 2, 4, 5, 8, 14, 24, 30, 31, 34, 41, 43, 46, 51 | 5ae, 14abc, 25abc |

### 6. LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM

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| **LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR INTERNAL MEDICINE CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV INTERNAL MEDICINE CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| Genel ve soruna yönelik öykü alabilme | **4** | **5** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Anthropometric measurements | **4** | 5 |  |
| Abdominal examination | **3** | 5 |  |
| Consciousness assessment | **4** | 5 |  |
| Skin examination | **4** | 5 |  |
| Evaluation of general condition and vital signs | **4** | 5 |  |
| Cardiovascular system examination | **4** | 5 |  |
| Musculoskeletal system examination | **3** | 5 |  |
| Respiratory system examination | **4** | 5 |  |
| **C. Registration, Reporting and Notification** | | | |
| Enlightenment and consent | **4** | 5 |  |
| To prepare patient file | **4** | 5 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Reading and evaluating direct radiographs | **4** | 5 |  |
| To be able to measure and evaluate blood sugar with a glucometer | **4** | 5 |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 5 |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Ability to open vascular access | **3** | 5 |  |
| Hand washing | **4** | 5 |  |
| IM, IV, SC, ID injection | **4** | 5 |  |
| Being able to measure blood pressure | **4** | 5 |  |
| Capillary blood sampling | **4** | 5 |  |
| Minimental status examination | **3** | 5 |  |
| To be able to apply oxygen and nebul ‐ inhaler treatment | **4** | 5 |  |
| To be able to apply and evaluate pulse oximetry | **3** | 5 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam.   Sınavınızda çoktan seçmeli ve/veya yazılı sınav sorusu konusunda bilgi veriniz. Lütfen silmeyi unutmayınız) |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP GUIDE |

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| **Code** | MED406 |  | **Type** | Compulsory |
| **Period** | 8 weeks |  | **ECTS** | 12 |

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| **OBSTETRICS AND GYNECOLOGY CLERKSHIP -** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

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| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Williams Obstetrics |
| **2.** | Berek & Novak Gynecology |
| **3.** | Te Linde Gynecology Surgery |

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| **OBSTETRICS AND GYNECOLOGY CLERKSHIP - RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. OBSTETRICS AND GYNECOLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

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| **OBJECTIVE OF THE OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis by evaluating the anatomy, physiological features of the female genital organs and the signs and symptoms of the diseases affecting them. |
|  | To be able to make emergency treatment by defining emergencies for Obstetrics and Gynecology |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide referral in case of emergency after treatment and treatment |
|  | To gain the knowledge, skills and professionalism characteristics determined for the clerkship |

### 2. OBSTETRICS AND GYNECOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 4 |  | 4 |  |  | 4 |  | 3 |  | 5 | 5 | 5 | 2 | 3 | 2 | 4 | 4 | 5 | 5 | 5 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period

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| **OBSTETRICS AND GYNECOLOGY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | |
| 1 | amenorrhea | 13. | Suspicious genitalia |
| 2 | Nausea and vomiting | 14. | Pelvic pain |
| 3 | Sexual function problems | 15. | Puberty disorders (early ‐ late) |
| 4 | dysmenorrhea | 16. | Urinary incontinence |
| 5 | dysuria | 17. | Vaginal discharge |
| 6 | Wound in the genital area | 18. | Vaginal bleeding (during pregnancy, postpartum, post menopausal, others) |
| 7 | Hypertension (During Pregnancy) | 19. | Healthy sex life |
| 8 | hirsutism | 20. | Reproductive health and rights |
| 9 | Infertility (woman) | 21. | Combating communicable diseases in the community |
| 10 | Abdominal pain | 22. | Gender and health |
| 11 | Mass in the abdomen | 23. | Bloating in the abdomen\* |
| 12 | Convulsions (During Pregnancy) | 24. | Pelvic mass |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period.

|  |  |
| --- | --- |
| **OBSTETRICS AND GYNECOLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Labor 2. Postpartum hemorrhage 3. Genito-urinary trauma 4. Abortion 5. Pregnancy-bleeding 6. Fetal distress at birth 7. Eclampsia, preeclampsia, HELLP syndrome 8. Troubled labor |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Labor 2. Postpartum hemorrhage 3. Genito-urinary trauma 4. Abortion 5. Pregnancy-bleeding 6. Fetal distress at birth 7. Sexual function problems 8. Sexual orientation problems 9. Gestational diabetes mellitus 10. Endometriosis 11. Preeclampsia 12. Ectopic pregnancy 13. Intrauterine infections 14. Osteoporosis 15. Ovarian cancer 16. Pelvic mass 17. Polycystic ovary syndrome 18. Cervical cancer 19. RH incompatibility in pregnancy 20. 60. Pelvic Pain Syndrome 21. 62. Uterus tumors |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Dysmenorrhea 2. Amenorrhea 3. Abnormal uterine bleeding 4. Intrauterine growth retardation 5. Genital infections 6. Birth trauma 7. Fetal distress 8. Eclampsia, preeclampsia, HELLP syndrome 9. Pregnancy standard monitoring 10. Pregnancy Risky Surveillance 11. Menopause 12. Urinary incontinence 13. Menstrual cycle disorder 14. Prenatal diagnosis 15. Gestational diabetes 16. Risky pregnancy 17. 61. Pelvic Inflammatory Disease |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 1. Sexually transmitted infections 2. Dysuria 3. Postpartum hemorrhage 4. Labor 5. Hyperemesis gravidarum 6. Premenstrual syndrome |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Intrauterine growth retardation 2. Genital infections 3. Sexually transmitted infections 4. Genital cancer screening 5. Birth trauma 6. Intrauterine infections 7. Osteoporosis 8. Premenstrual syndrome 9. Cervical cancer 10. Risky pregnancy 11. RH incompatibility in pregnancy 12. 61.Pelvic Inflammatory Disease |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 1. Pelvic Pain syndrome |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period.

|  |  |
| --- | --- |
| **OBSTETRICS AND GYNECOLOGY CLERKSHIP - LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | ----------- |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 1. Ability to have normal spontaneous delivery 2. Opening and sewing episiotomy |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1. To be able to take general and problematic stories 2. Abdominal examination 3. Pregnant examination 4. General situation and evaluation of vital signs 5. Gynecological examination 6. Lighting and consent 7. To prepare epicrisis 8. To prepare patient file 9. To be able to refer patients appropriately 10. Prescribing a recipe 11. Filling the request form for laboratory examination 12. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 13. To be able to interpret the results of screening and diagnostic purposes 14. To be able to examine vaginal discharge sample (urogenital infection screening, fresh preparation preparation and care) and evaluate 15. Ability to open vascular access 16. To be able to take care of the mother after birth 17. Ability to insert urine catheter 18. Ability to teach breast self examination 19. Periodic examination, control (Cardiac risk calculation, adolescent counseling, tobacco counseling, cancer screening etc.) 20. IM, IV, SC, ID injection 21. Ability to insert urinary catheter 22. Being able to take samples for culture 23. To be able to take vaginal and cervical samples 24. Ability to throw and take superficial sutures 25. To be able to apply contraception methods correctly and to follow the users 26. To be able to perform oral, rectal, vaginal and topical drug applications 27. Ability to take biological samples from the patient |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 1. To be able to take measures to stop / limit external bleeding 2. To be able to follow up pregnant and maternity 3. Follow-up and periodic health examinations at different stages of life (pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, old age) |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period

|  |  |
| --- | --- |
| **OBSTETRICS AND GYNECOLOGY CLERKSHIP– LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **------------------** |
|  |  |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of OBSTETRICS AND GYNECOLOGY CLERKSHIP

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **OBSTETRICS AND GYNECOLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. OBSTETRICS AND GYNECOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

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| **SESSION IV INTERNAL MEDICINE CLERKSHIP-** **WEEKLY COURSE PROGRAM** |

| **DAYS** | **SUBJECT OF THE LESSON** | **LESSON TIME** | **TEACHING STAFF** |
| --- | --- | --- | --- |
| **1. Week** | | | |
| **Monday** | Information about internship | 0800-0900 | Assoc.Prof.Ömer Erkan YAPÇA |
| Menopuse and osteoporosis | 0900-1000 |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Threat of prematüre birth | 0800-0900 | Proff.Metin İNGEÇ |
| Tocolysis | 0900-1000 |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Policystic ovarian syndrome | 0800-1000 | Proff.Bünyamin BÖREKÇİ |
| Visit | 1000-1200 | Proff.Yakup KUMTEPE |
| Flexible working hour | 1300-1700 |
| **Thursday** | postmaturity | 0800-0900 | Asst.Prof. Gamze Nur CİMİLLİ ŞENOCAK |
| Gynecology And Obstetric’s ethic | 0900-1100 | Proff.Ahmet Nezihi KÖK |
| Visit | 1100-1200 | Proff.Ragıp Atakan AL |
| Diabetes and pregnancy | 1300-1400 |
| Clinical trials | 1400-1600 |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Postmenapousal bleeding | 0800-0900 | Proff.Yakup KUMTEPE |
| Visit | 0900-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **2. Week** | | | |
| **Monday** | Benign diseases of vulva and vagina | 0800-1000 | Asst.Prof.Emsal Pınar TOPDAĞI YILMAZ |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Premature ruptures of membranes | 0800-0900 | Asst.Prof. Gamze Nur CİMİLLİ ŞENOCAK |
| Visit | 0900-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Amenorrhea | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Flexible working hour | 1300-1700 |
| **Thursday** | Evaluate of fetal health | 0800-1000 | Proff.Ragıp Atakan AL |
| Teratology | 1000-1100 | Asst.Prof.Emsal Pınar TOPDAĞI YILMAZ |
| Visit | 1100-1200 | Proff.Ragıp Atakan AL |
| Clinical trials | 1300-1500 |
| Case based learning 1- session | 1500-1600 |  |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Endometriuım cancer | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **3. Week** | | | |
| **Monday** | Premenstural Syndrome | 0800-0900 | Assoc.Prof.Ömer Erkan YAPÇA |
| Dismenore | 0900-1000 |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Pregnancy and Rh isoimmunisation | 0800-1000 | Proff.Metin İNGEÇ |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Prolapsus of pelvic organs | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Flexible working hour | 1300-1700 |
| **Thursday** | Pregnancy and hearth disease | 0800-1000 | Proff.Ragıp Atakan AL |
| İntrauterine death | 1000-1100 | Asst.Prof. Gamze Nur CİMİLLİ ŞENOCAK |
| Visit | 1100-1200 | Proff.Ragıp Atakan AL |
| Clinical trials | 1300-1500 |
| Case based lerarning 2. Session | 1500-1600 |  |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Infertil couple | 0800-0900 | Proff.Bünyamin BÖREKÇİ |
| Visit | 0900-1000 | Asst.Prof. Gamze Nur CİMİLLİ ŞENOCAK |
| Clinical trials | 1300-1600 | Proff.Bünyamin BÖREKÇİ |
| Flexible working hour | 1600-1700 |  |
| **4. Week** | | | |
| **Monday** | Chronic pelvic pain | 0800-0900 | Assoc.Prof.Ömer Erkan YAPÇA |
| Uterine rupture | 0900-1100 |
| Visit | 1100-1200 |
| Clinical trials | 1300-1600 |
| **Tuesday** | Preeclampsia - eclampsia | 0800-1000 | Proff.Metin İNGEÇ |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Urinary incontinance | 0800-1000 | Asst.Prof.Emsal Pınar TOPDAĞI YILMAZ |
| Visit | 1000-1200 |
| Flexible working hour | 1300-1700 |
| **Perşembe** | Dystosia | 0800-1000 | Proff.Ragıp Atakan AL |
| Intrauterine growth restriction | 1000-1200 |
| Visit | 1300-1400 |
| Clinical trials | 1400-1500 |
| Case based learning 3. Session | 1500-1600 |  |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Ovary cancer | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **5. Week** | | | |
| **Monday** | Pelvic inflammatory disease | 0800-1000 | Assoc.Prof.Ömer Erkan YAPÇA |
| Antenatal care | 1000-1100 |
| Visit | 1100-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Breech delivery | 0800-0900 | Asst.Prof.Emsal Pınar TOPDAĞI YILMAZ |
| Pregnancy and chronic hypertension | 0900-1000 | Proff.Metin İNGEÇ |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Cervical intraepithelial neoplasia | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Flexible Working hour | 1300-1700 |
| **Thursday** | Abnormal vaginal bleeding | 0800-1000 | Asst.Prof. Gamze Nur CİMİLLİ ŞENOCAK |
| Visit | 1000-1200 |
| Clinical trials | 1300-1500 |
| Case based learning 1. Session | 1500-1600 |  |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Gestational trophoblastic diseases | 0800-1000 | Proff.Bünyamin BÖREKÇİ |
| Endometrial hyperplasia | 1000-1200 |
| Visit | 1300-1400 |
| Clinical trials | 1400-1600 |
| Flexible working hour | 1600-1700 |  |
| **6. Week** | | | |
| **Monday** | Perinatal infections | 0800-0900 | Asst.Prof.Emsal Pınar TOPDAĞI YILMAZ |
| Puerperal infections | 0900-1100 |
| Visit | 1100-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Postpartum bleeding | 0800-1000 | Proff.Metin İNGEÇ |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Cervical cancer | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Flexible working hpur | 1300-1700 |
| **Thursday** | Evaluation of high risk pregnancy | 0800-1000 | Asst.Prof. Gamze Nur CİMİLLİ ŞENOCAK |
| Myoma uteri | 1000-1100 | Proff.Ragıp Atakan AL |
| Visit | 1100-1200 |
| Clinical trials | 1300-1500 |
| Case based learning 2. Session | 1500-1600 |  |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Assisted reproductive techniques | 0800-1000 | Proff.Bünyamin BÖREKÇİ |
| Visit | 1000-1200 |
| Clincal trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **7. Week** | | | |
| **Monday** | Malign disease of vulva and vagina | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1100-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Multiple pregnancy | 0800-1000 | Proff.Metin İNGEÇ |
| Hyperemesis gravidarum | 1000-1100 | Asst.Prof.Emsal Pınar TOPDAĞI YILMAZ |
| Visit | 1100-1200 | Proff.Metin İNGEÇ |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Wednesday** | Hirsutizm and hyperandrogenism | 0800-1000 | Proff.Yakup KUMTEPE |
| Visit | 1000-1200 |
| Flexible working hour | 1300-1700 |
| **Thursday** | Operative delivery | 0800-1000 | Proff.Ragıp Atakan AL |
| Labor induction | 1000-1100 |
| Visit | 1100-1200 |
| Clinical Trials | 1300-1500 |
| Case based learning 3. Session | 1500-1600 |  |
| Flexible working hour | 1600-1700 |  |
| **Friday** | Ectopic pregnancy | 0800-0900 | Proff.Bünyamin BÖREKÇİ |
| Visit | 0900-1200 |
| Clinical trials | 1300-1600 |
|  | Flexible working hour | 1600-1700 |  |
| **8. Week** | | | |
| **Monday** | Third trimester bleeding | 0800-1000 | Assoc.Prof.Ömer Erkan YAPÇA |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working hour | 1600-1700 |  |
| **Tuesday** | Prenatal diagnosis | 0800-1000 | Proff.Metin İNGEÇ |
| Visit | 1000-1200 |
| Clinical trials | 1300-1600 |
| Flexible working | 1600-1700 |  |
| **Wednesday** | Endometriosis | 0800-1000 | Proff.Bünyamin BÖREKÇİ |
| Visit | 1000-1200 |
| Flexible working hour | 1300-1700 |
| **Thursday** | Exam |  | |
| **Friday** | Exam |  | |

### 5. MATCHING OBSTETRICS AND GYNECOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING OBSTETRICS AND GYNECOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **Problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| KHD001 | Clerkship description, gynecological examination, symptom, findings | Dr.Ömer Erkan YAPÇA | 1 | 3 |  |  |  |  |
| KHD002 | Menoposis and osteoporosis | Dr.Ömer Erkan YAPÇA | 2 | 3 | 1, 3 | 22, 28, 37 | 20, 21 |  |
| KHD003 | Early delivery threat | Prof.Dr. Metin INGEÇ | 2 | 3 | 17 | 36, 42, 46 | 3, 5 |  |
| KHD004 | Tocolysis | Prof.Dr. Metin INGEÇ | 1 | 3 |  | 1, 8, 46, 42, 36 |  |  |
| KHD005 | Pcos (polycistic over syndrome) | Prof.Dr. Bünyamin BÖREKÇI | 3 | 3 | 1, 15, 4 | 25, 56 |  |  |
| KHD006 | Day out | Dr. Gamze Nur CIMILLI ŞENOCAK | 3 | 3 |  | 8, 17, 30, 32, 36, 41, 42 | 5 |  |
| KHD007 | Diabetes and pregnancy | Prof.Dr. Ragıp Atakan AL | 1 | 3 |  | 1, 2, 3, 8, 9, 10 | 1, 2 |  |
| KHD008 | Postmenoposal bleeding | Prof.Dr. Yakup KUMTEPE | 3 | 3 | 1, 10, 18 | 28, 29, 37 |  |  |
| KHD009 | Benefit diseases of vulva and vagen | Dr. Emsal Pınar TOPDAĞI YILMAZ | 3 | 3 | 6, 14, 17 | 50, 51, 31 | 24, 25, 28, 16 |  |
| KHD010 | Early membrane rupture | Dr. Gamze Nur CIMILLI ŞENOCAK | 3 | 3 | 5, 17 | 5, 8, 13 | 3, 5, 16 |  |
| KHD011 | Amenorrhea | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 1, 4, 8 | 27, 28, 29, 37 | 7 |  |
| KHD012 | Evaluation of fetal health | Prof.Dr.Ragıp Atakan AL | 3 | 3 |  | 35, 36, 40 | 5, 6 |  |
| KHD013 | Teratology | Dr. Emsal Pınar TOPDAĞI YILMAZ | 1 | 3 |  | 42 |  |  |
| KHD014 | Endometrium cancer | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 1, 10, 18 | 24, 28, 29 | 29, 21, 7, 8 |  |
| KHD015 | Premenstrural syndrome | Dr.Ömer Erkan YAPÇA | 2 | 3 | 4, 8 | 56 |  |  |
| KHD016 | Dysmenorrhea | Dr.Ömer Erkan YAPÇA | 1 | 3 | 4 | 27 |  |  |
| KHD017 | Pregnancy and rh isoimmunization | Prof.Dr. Metin INGEÇ | 3 | 3 |  | 36, 8 |  |  |
| KHD018 | Prolapy of pelvic organs | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 16 | 11, 38 | 7 |  |
| KHD019 | Pregnancy and heart diseases | Prof.Dr.Ragıp Atakan AL | 3 | 3 |  | 36, 42 | 5 |  |
| KHD020 | İntrauterin dead fetus | Prof.Dr.Ragıp Atakan AL | 1 | 3 |  | 8, 9, 10 | 31 |  |
| KHD021 | Approach to pelvic mass | Prof.Dr.Bünyamin BÖREKÇI | 2 | 3 | 10, 11, 14 | 23, 24, 26, 29, 52, 57 | 4, 7, 15, 25 |  |
| KHD022 | İnfertil double approach | Dr. Gamze Nur CIMILLI ŞENOCAK | 1 | 3 | 9 | 15, 25, 39 |  |  |
| KHD023 | Chronic pelvic pain | Dr.Ömer Erkan YAPÇA | 3 | 3 | 10, 14 |  |  |  |
| KHD024 | Uterine rupture | Dr.Ömer Erkan YAPÇA | 1 | 3 | 18 | 5, 2, 10, 13 | 30 |  |
| KHD025 | Preeklampsi - eklampsi | Prof.Dr. Metin INGEÇ | 3 | 3 | 7 | 7, 19, 34 | 6, 3 |  |
| KHD026 | Urinary incontinence | Dr. Emsal Pınar TOPDAĞI YILMAZ | 3 | 3 | 5, 16 | 38 |  |  |
| KHD027 | Dystonia | Prof.Dr.Ragıp Atakan AL | 3 | 3 | 8 | 1, 3, 8, 9, 11 |  |  |
| KHD028 | Development of the intrauter | Prof.Dr.Ragıp Atakan AL | 1 | 3 |  | 49 |  |  |
| KHD029 | Over cancer | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 10, 11 | 23 | 21 |  |
| KHD030 | Pelvic inflammatory diseases | Dr.Ömer Erkan YAPÇA | 3 | 3 | 5, 17 | 43 |  |  |
| KHD031 | Antenatal care | Dr.Ömer Erkan YAPÇA | 1 | 3 | 19 | 35 |  |  |
| KHD032 | Breech birth | Dr. Emsal Pınar TOPDAĞI YILMAZ | 2 | 3 | 1 | 1, 42 | 5 |  |
| KHD033 | Pregnancy and chronic hypertension | Prof.Dr. Metin INGEÇ | 1 | 3 | 7 | 7, 14, 19, 30, 34 | 6, 11 |  |
| KHD034 | Servical intraepitelial neoplasia | Prof.Dr.Bünyamin BÖREKÇI | 3 | 3 | 17, 18 | 26, 52 | 25, 24, 29 |  |
| KHD035 | Abnormal vaginal bleeding | Dr. Gamze Nur CIMILLI ŞENOCAK | 3 | 3 | 18, 19 | 2, 5, 4, 13 |  |  |
| KHD036 | Gestational trofoblastic diseases | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 1, 18 | 13 |  |  |
| KHD037 | Endometrial hyperplasils | Prof.Dr.Yakup KUMTEPE | 1 | 3 | 1, 18 | 29, 39, 52 | 15, 16 |  |
| KHD038 | Perinatal infections | Dr. Emsal Pınar TOPDAĞI YILMAZ | 3 | 3 | 6 | 21 |  |  |
| KHD039 | Puerperal infections | Dr. Emsal Pınar TOPDAĞI YILMAZ | 2 | 3 | 6 | 21 |  |  |
| KHD040 | Postpartum bleedings | Prof.Dr. Metin INGEÇ | 3 | 3 | 18 | 2, 10, 32, 45 |  |  |
| KHD041 | Cervical cancer | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 18, 17 | 57 | 21 |  |
| KHD042 | Evaluation of high risk pregnancy | Dr. Gamze Nur CIMILLI ŞENOCAK | 3 | 3 | 7 | 36, 42 | 3, 4, 5 |  |
| KHD043 | Myoma uteri | Prof.Dr.Ragıp Atakan AL | 1 | 3 | 11, 14, 18 | 24 | 7 |  |
| KHD044 | Auxiliary reproductive techniques | Prof.Dr.Bünyamin BÖREKÇI | 3 | 3 | 9 |  |  |  |
| KHD045 | Malignant diseases of vulva and vagen | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 5, 10, 13 |  |  |  |
| KHD046 | Multiple pregnancy | Prof.Dr. Metin INGEÇ | 2 | 3 | 1 | 36, 42 |  |  |
| KHD047 | Hyperemesis gravidarum | Dr. Emsal Pınar TOPDAĞI YILMAZ | 1 | 3 | 2 | 47 | 17, 5 |  |
| KHD048 | Hirsutism and hyperandrogenism | Prof.Dr.Yakup KUMTEPE | 3 | 3 | 8 | 27, 28, 25 |  |  |
| KHD049 | Operative birth | Prof.Dr.Ragıp Atakan AL | 3 | 3 |  | 1, 10, 53 |  |  |
| KHD050 | Birth induction | Prof.Dr.Ragıp Atakan AL | 1 | 3 |  | 1, 10, 53, 8 |  |  |
| KHD051 | Ectopic pregnancy | Prof.Dr.Bünyamin BÖREKÇI | 3 | 3 | 1 | 20 |  |  |
| KHD052 | Third trimester hemorrhage | Yrd.Dr.Dr.Ömer Erkan YAPÇA | 3 | 3 | 18 | 5, 13 |  |  |
| KHD053 | Prenatal diagnosis | Prof.Dr. Metin INGEÇ | 3 | 3 |  | 35, 40 |  |  |
| KHD054 | Endometriosis | Prof.Dr.Bünyamin BÖREKÇI | 3 | 3 | 4, 10, 14 | 27, 18 |  |  |

### 6. LEARNING METHODS OF OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR OBSTETRICS AND GYNECOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| --- | --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP STUDENT TRAINEE REPORT** | | | | |
| **Name: ………………………Surname: ……………………….**  **Student Number: Date::…../……/……** | | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** |  | | | |
| To be able to take general and problematic stories | 4 | | 5 |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | | |
| Abdominal examination | **3** | | 5 |  |
| Pregnant examination | **3** | | 5 |  |
| Evaluation of general condition and vital signs | **3** | | 5 |  |
| Gynecological examination | **3** | | 5 |  |
| **C. Registration, Reporting and Notification** | | | | |
| Lighting and and get approval | **3** | | 5 |  |
| Preparing epicrises | **3** | | 5 |  |
| To prepare patient file | **3** | | 5 |  |
| Ability to organize reporting and notification | **3** | | 5 |  |
| Ability to edit a recipe | **3** | | 5 |  |
| **D. Laboratory Tests and Other Related Processes** | | | | |
| To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory | **3** | | 5 |  |
| To be able to interpret the results of screening and diagnostic purposes | **4** | | 5 |  |
| To be able to examine the vaginal discharge sample (urogenital infection screening, preparation and care of fresh preparation) and evaluate | **4** | | 5 |  |
| **E. Interventional and Non-Interventional Applications** | | | | |
| Ability to open vascular access | **3** | | 5 |  |
| To be able to take care of the mother after birth | **4** | | 5 |  |
| Hand washing | **4** | | 5 |  |
| Opening and sewing episiotomy | **2** | | 1 |  |
| To be able to follow up pregnant and maternity | **3** | | 5 |  |
| IM, IV, SC, ID injection | **4** | | 5 |  |
| Urinary catheter insertion | **4** | | 5 |  |
| Being able to take samples for culture | **4** | | 5 |  |
| Ability to have normal spontaneous delivery | **2** | | 2 |  |
| To be able to perform oral, rectal, vaginal and topical drug applications | **3** | | 5 |  |
| To be able to take vaginal and cervical samples | **3** | | 5 |  |
| Ability to throw and take superficial sutures | **3** | | 5 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN OBSTETRICS AND GYNECOLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN OBSTETRICS AND GYNECOLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 50 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP GUIDE |

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| --- | --- | --- | --- | --- |
| **Code** | MED403 |  | **Type** | Compulsory |
| **Period** | 2 weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | PHYSICAL MEDICINE AND REHABILITATION / Mehmet Beyazova-Yeşim Gökçe Kutsal |
| **2.** | Medical Rehabilitation / Hasan Oğuz |
| **3.** | Rheumatology / Şebnem Ataman-Peyman Yalçın |

|  |  |
| --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis or diagnosis by evaluating the anatomy, physiological features of the muscles and skeletal system, the signs and symptoms of the diseases affecting them. |
|  | To demonstrate protective and rehabilitative approaches in situations that may cause musculoskeletal disability |
|  | To learn and be able to apply the necessary treatment for pathologies of the musculoskeletal system |
|  | To be able to make a preliminary diagnosis / diagnosis by evaluating the signs and symptoms of rheumatological diseases with a general approach |
|  | To define emergencies for physical medicine and rehabilitation related with pathologies (including rheumatological diseases), to perform the necessary emergency treatment and to provide referral when necessary. |
|  | To recognize the physical therapy modalities used in the treatment of diseases and to explain how to use in which disease |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To provide gaining the knowledge, skills and professionalism characteristics determined for the clerkship. |

### 2. PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 5 | 5 | 4 | 4 | 5 | 3 | 4 | 4 | 5 | 4 | 4 | 4 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the physical medicine and rehabilitation clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Dry mouth | 12. | Dry eyes | 23. | Chronic pain |
| 2 | Wound in the mouth | 13. | Weakness, fatigue | 24. | Neuropathic pain |
| 3 | Anemia | 14. | Movement disorders | 25. | Shoulder pain |
| 4 | Fever | 15. | Immobilization | 26. | Paresthesia |
| 5 | Low back and back pain | 16. | Abdominal pain | 27. | Paralysis |
| 6 | Neck pain | 17. | Muscle weakness | 28. | Pelvic pain |
| 7 | Problems with balance / movement | 18. | Musculoskeletal pain (lower back, neck, back, hip and limb pain) | 29. | Morning stiffness |
| 8 | Skin rashes / lesions | 19. | Weight loss | 30. | Hair loss |
| 9 | Changes in the skin and its appendages | 20. | Cladication intermittant | 31. | Recurrent falls |
| 10 | Joint pain / swelling | 21. | Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.) | 32. | Tetany |
| 11 | Movement restriction in joints | 22. | Cramp | 33. | Difficulty in swallowing |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the physical medicine and rehabilitation clerkship period.

|  |  |
| --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Limb trauma / fractures 2. Facial paralysis 3. Drug side effects 4. Spine injuries 5. Cauda equina syndrome 6. Rheumatological emergencies |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Adhesive capsulitis 2. Familial Mediterranean fever 3. Alopecia 4. Amyloidosis 5. Ataxic disorders 6. Behçet's disease 7. Gout disease 8. Inflammatory bowel disease 9. Muscular diseases (myopathies) 10. Bone tumors 11. Complex regional pain syndrome 12. Speech disorders 13. Lymphedema / lipoma 14. Meniscus lesions 15. Shoulder impingement syndrome 16. Osteoporosis 17. Peripheral neuropathy 18. Polymyalgia rheumatica 19. Polymyositis and dermatomyositis 20. Reynaud's disease 21. Romatid arthritis 22. Sarcoidosis 23. Cervical myelopathy 24. Systemic lupus erythematosus 25. Sjogren's Syndrome 26. Scleroderma 27. Spinal cord compression syndrome 28. Spondyloarthropathies 29. Sleep disorder 30. Uveitis 31. Vasculitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Acute rheumatic fever 2. Arthritis 3. Disc hernias 4. Limb trauma / fractures 5. Facial paralysis 6. Fibromyalgia 7. Medication side effects 8. Speech disorders 9. Torticollis 10. Spinal deformities |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 1. Pressure ulcers 2. Vitamin D deficiency 3. Osteoarthritis 4. Tenosynovitis 5. Myofascial pain syndrome |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Acute rheumatic fever 2. Pressure ulcers 3. Vitamin D deficiency 4. Disc herniation 5. Gout disease 6. Medication side effects 7. Lymphedema / Lipoedema 8. Spinal deformities 9. Osteoarthritis 10. Osteoporosis |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to follow up (F) in necessary cases** | 1. Familial Mediterranean Fire 2. Pressure ulcers 3. Vitamin D deficiency 4. Drug side effects 5. Lymphedema / Lipoedema 6. Osteoarthritis |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the PHYSICAL MEDICINE AND REHABILITATION clerkship period.

|  |  |
| --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | ---- |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | ---- |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1.To be able to evaluate direct radiographs  2.Musculoskeletal system examination  3.Neurological examination  4.To be able to interpret the results of screening and diagnostic purposes |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 1. To apply the principles of rational drug use  2. Exercise and physical activity  3. Evaluation of general status and vital signs  4. To be able to take a general and problematic anamnesis  5. To prepare patient file  6. To apply IM, IV, SC, injection  7. To fill the request form for laboratory examination  8. Prescribe |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the physical medicine and rehabilitation clerkship period

|  |  |
| --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **2.Bağımlılık**  a. Alcohol  b. Tobacco   |  |  | | --- | --- | |  |  |   **4. Work and health interaction**  a.Occupational diseases  b. Work-related diseases  c. The effect of the disease on work and return to work after the disease (rehabilitation)   |  |  | | --- | --- | |  |  |   **8. Difficulties in patient interaction**  e. malingering  g. Frequent patient |
|  |  |
|  | **14. Chronic / non-communicable diseases**  a.Monitoring and prevention of risk factors  b. Management of risk factors  c. Multimorbidity   |  |  | | --- | --- | |  |  | |
|  | **19. Priority / disadvantaged groups**  a. Children with special needs (chronic health problems, neuro-developmental disorders)  / disabled people  c. Elders  e. Pregnant women   |  |  | | --- | --- | |  |  |   **25. Physical, mental activity and exercise**  **a.** Nutrition  b. Physical, mental activity and exercise  c. Sedentary life   |  |  | | --- | --- | |  |  |   **30. Medical errors and unprofessional behavior**  **a. M**alpractice   |  |  | | --- | --- | |  |  |   **35. Aging**  **c.** Multi-morbidity and polypharmacy |  |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of physical medicine and rehabilitation clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP - WEEKLY COURSE PROGRAM** | | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **Monday** | **I. Week** | | | |
| Information on internship and ethical and professional values in clinical practice | 08.00-09.00 | Lecturer in charge of internship |
| Taking an anamnesis and physical examination | 09.00-10.00 | Lecturer in charge of internship |
| The term of rehabilitation and methods of Physical medicine | 10.00-11.00 | Prof. Dr. Akın ERDAL |
| Low back pain and Rehabilitation | 11.00-12.00 | Prof. Dr. Akın ERDAL |
| Clinic (Group 1)  Polyclinic (Group 2) | 13.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Tuesday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Neck pain and Rehabilitation | 10.00-11.00 | Assoc. Prof. Hülya UZKESER |
| Spnial Cord injury and Rehabilitation | 11.00-12.00 | Assoc. Prof. Hülya UZKESER |
| Clinic (Group 1)  Polyclinic (Group 2) | 13.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Wednesday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Introduction to rheumatology, history taking and physical examination | 10.00-11.00 | Prof. Meltem A. MELİKOĞLU |
| Rheumatoid arthritis and Rehabilitation | 11.00-12.00 | Prof. Meltem A. MELİKOĞLU |
| Case presentation, seminar, council | 12.30-13.30 | Lecturer and assistant |
| Free course / free study | 13.30-17.00 |  |
| **Thursday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Metabolic Bone Diseases and Rehabilitation | 10.00-11.00 | Assoc. Prof. Ayhan KUL |
| Osteoarthritis and Rehabilitation | 11.00-12.00 | Assoc. Prof. Ayhan KUL |
| Case-Based Learning (CBL) Session 1 | 13.00-14.00 | Lecturer in charge of internship |
| Clinic (Group 1)  Polyclinic (Group 2) | 14.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Friday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Rehabilitation of Hemiplegia | 10.00-11.00 | Assist. Prof. Fatih BAYGUTALP |
| Rehabilitation of Cerebral Palsy | 11.00-12.00 | Assist. Prof. Fatih BAYGUTALP |
| Clinic (Group 1)  Polyclinic (Group 2) | 13.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Monday** | **II. Week** | | | |
| Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Fibromyalgia | 10.00-11.00 | Prof. Dr. Akın ERDAL |
| Ankylosing Spondylitis and Rehabilitation | 11.00-12.00 | Prof. Dr. Akın ERDAL |
| Case-Based Learning (CBL) Session 2 | 13.00-14.00 | Lecturer in charge of internship |
| Clinic (Group 1)  Polyclinic (Group 2) | 14.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Tuesday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Soft Tissue Rheumatisms | 10.00-11.00 | Assoc. Prof. Hülya UZKESER |
| Normal and Pathologic Gait | 11.00-12.00 | Assoc. Prof. Hülya UZKESER |
| Case-Based Learning (CBL) Session 3 | 13.00-14.00 | Lecturer in charge of internship |
| Clinic (Group 1)  Polyclinic (Group 2) | 14.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Wednesday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| Spondyloarthropathies | 10.00-11.00 | Prof. Meltem A. MELİKOĞLU |
| Crystal arthropathies | 11.00-12.00 | Prof. Meltem A. MELİKOĞLU |
| Case presentation, seminar, council | 12.30-13.30 | Lecturer and assistant |
| Free course / free study | 13.30-17.00 |  |
| **Thursday** | Physical examination practices at the clinic | 08.00-10.00 | Lecturer in charge of internship |
| The term of pain and classification | 10.00-11.00 | Assist. Prof. Fatih BAYGUTALP |
| Sports injuries and Rehabilitation | 11.00-12.00 | Assoc. Prof. Bilgehan Öztop |
| Clinic (Group 1)  Polyclinic (Group 2) | 13.00-17.00 | Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately. |
| **Friday** | Pratice exam | 09.00-12.00 | Seminar Room |
| Theoric exam | 13.30-14.30 | Seminar Room |
| The feedback meeting after internship program | 14.30-15.00 | Lecturer in charge of internship |

### 5. MATCHING PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theore**  **tical**  **lesson** | **Prac**  **tical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **BSH**  **Behavioral**  **Social and Humanities** |
| PMR  001 | Information on internship and ethical and professional  values in clinical practice | Department staff in charge of practical training | 1 |  |  |  |  |  |
| PMR  002 | Taking an anamnesis and physical examination | Department staff in charge of practical training | 1 | 1 | 1,2,3,4,5,6,7,  8,9,10,11,12,  13,14,15,16,17,  18,19,20,21,22,  23,24,25,26,27,  28,29,30,31,32,  33 | 1,2,  3,4  ,5,6 | 1,2,3,4,5,6,7,  8,9,10,11,12,  13,14 | 2a,2b,4a,4b,  4c,8e,8g,14a,  14b,14c,19a,19c,  19e,25a,25b,25c,  30a,35c |
| PMR  003 | The term of rehabilitation and methods of physical medicine | Dr. A. Erdal | 1 |  | 3,4,5,6,8,10,11,  12,13,14,15,16,  17,18,22,23,24,  25,26,27,29, | 1,2,  3,4  ,5,6 | 1,2,3,5,6,7 | 4a,4b,4c,  8e,8g,19a,  19c,19e,30a |
| PMR  004 | Low back pain and rehabilitation | Dr. A. Erdal | 1 |  | 3,4,5,6,7,8,9,  10,11,13,14,15,  16,17,18,19,20,  22,23,24,25,26  ,27,28,29,31 | 3,5 | 1,2,3,4,5,6,7,  12 | 2a,4a,4b,4c,8e,8g,  14a,14b,14c,  19a,19c,19e,  25a,25b,25c,  30a,35c |
| PMR  005 | Neck pain and rehabilitation | Dr. H. Uzkeser | 1 |  | 3,4,5,6,7,8,9,  10,11,13,14,15,  17,18,19,23,24,  25,26,27,28,29,  31 | 3,5 | 1,2,3,4,5,6,7,  12 | 2a,4a,4b,4c,8e,  8g,14a,14b,14c,  19a,19c,19e,  25a,25b,25c,  30a,35c |
| PMR  006 | Spnial Cord injury  and rehabilitation | Dr. H.  Uzkeser | 1 |  | 1,2,3,4,5,6,7,  8,9,10,11,12,  13,14,15,17,  18,19,21,22,  23,24,25,26,  27,28,29,31 | 1 | 1,2,3,4,5,6,7 | 2b,4a,4b,4c,  14a,14b,14c,  19a,19c,19e,  25a,25b,25c,  30a,35c |
| PMR  007 | Rheumatoid arthritis and rehabilitation | Dr. M.A. Melikoğlu | 1 |  | 1,2,3,4,5,6,10,  11,12,13,15,  17,18,19,20,  22,23,24,25,  28,29,31 | 2 | 1,2,3,4,5,6,7 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  008 | Spondyloarthro  pathies | Dr. M.A. Melikoğlu | 1 |  | 1,2,3,4,5,6,7,8,  9,10,11,12,13,  14,15,16,17,  18,19,20,22,  23,24,25,28,  29,31 | 2 | 1,2,3,4,5,6,7 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  009 | Soft tissue rheumatisms | Dr. F.  Baygutalp | 1 |  | 1,2,3,4,7,10,  11,12,13,14,  15,17,18,23,  24,25,29,31 | 4 | 1,2,3,4,5,6,7 | 4a,4b,4c,  14a,14b,14c,  25b,25c,35c |
| PMR  010 | Degenerative osteoarthritis and rehabilitation | Dr. F.  Baygutalp | 1 |  | 5,6,10,11,14,  15,17,18,23,25,29,  31 | 4,5 | 1,3,4,5,10,11,  14 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  011 | The term of pain  and classification | Dr. F.  Baygutalp | 1 |  | 1,2,3,4,5,6,7,8,  9,10,11,12,13,  14,15,16,17,18,  19,20,22,23,24,  25,26,27,28,29,  31,33 | 1,2,  3,4,  5,6 | 1,2,3,4,5,6,7,  11,12,14 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  012 | Metabolic bone diseases and rehabilitation | Dr. A.  Kul | 1 |  | 1,2,3,4,5,7,10,  11,12,13,14,15,  17,18,19,22,23,  24,27,29,30,31,  33 | 4,5 | 1,2,3,4,5,6,7 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  013 | Fibromyalgia | Dr. A. Erdal | 1 |  | 1,2,3,4,5,6,10,  11,12,13,14,15,  17,16,1718,19,  26,27,22,23,24,  25,26,27,28,  29,31 | 3 | 1,3,4,5,6,7,11,  14 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  014 | Ankylosing spondylitis and rehabilitation | Dr. A.  Erdal | 1 |  | 1,2,3,4,5,6,7,8,  9,10,11,12,13,  14,15,16,17,18,  19,20,22,23,24,  25,28,29,31 | 2 | 1,2,3,4,5,6,7 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  015 | Diseases of collagen tissue | Dr. M.A. Melikoğlu | page290image36802081 |  | 1,2,3,4,5,6,7,8,  9,10,11,12,13,  14,15,16,17,18,  19,20,21,22,23,  24,25,26,27,28,  29,30,31,33 | 2 | 1,2,3,4,5,6,7 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  016 | Crystal arthropathies | Dr. M.A. Melikoğlu | 1 |  | 3,4,5,6,8,10,11,  13,15,16,18,23,  29 | 2,5 | 1,2,3,4,5,6,7 | 2b,4c,8e,14a,  14b,14c,19a,  19c,19e,25a,  25b,25c, |
| PMR  017 | Cerebral palsy and rehabilitation | Dr. H. Uzkeser | 1 |  | 1,2,3,4,5,6,7,8,  9,10,11,13,14,  15,17,18,20,21,  22,23,25,27,31,  32,33 | 2 | 1,2,3,5,6, | 2b,4a,4b,4c,  14a,14b,14c,  19a,19c,19e,  25a,25b,25c,  30a,35c |
| PMR  018 | Normal and pathological gaits | Dr. H. Uzkeser | 1 |  | 3,5,7,10,11,13,  14,15,17,18,20,  22,23,24,26,27,  29,31,32 | 2 | 1,2,3,4,5,6, | 2b,4a,4b,4c,  14a,14b,14c,  19a,19c,19e,  25a,25b,25c,  30a,35c |
| PMR  019 | Hemiplegia and rehabilitation | Dr. A.  Kul | 1 |  | 1,2,3,4,5,6,7,8,  9,10,11,13,14,  15,17,18,20,21,  22,23,24,25,26,  27,31,33 | 1,5,6 | 1,2,5,6,12,13 | 2b,4a,4b,4c,  14a,14b,14c,  19a,19c,19e,  25a,25b,25c,  30a,35c |
| PMR  020 | Sports injuries and rehabilitation | Dr. B.Öztop | 1 |  | 5,6,7,8,10,11,  14,17,18,20,22,  25,28,31 | 1,3 | 1,2,3,4,5,6,7,  10,12,13 | 14a,14b,14c,  25b,25c,35c |
| PMR  021 | Service visit |  | 1 | 1 |  |  |  |  |
| PMR  022 | Notification of the aims and objectives of the internship meeting | Head of internship commission | 1 |  |  |  |  |  |
| PMR  023 | Post-internship feedback meeting | Head of internship commission | 1 |  |  |  |  |  |

### 6. LEARNING METHODS OF PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM

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| **LEARNING METHODS OF PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| To be able to take general and problematic anamnesis | 4 | 2\* |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Evaluation of general status and vital signs | **4** | 2\* |  |
| Musculoskeletal system examination | **3** | 2\* |  |
| Neurological examination | **3** | 2\* |  |
| **C. Registration, Reporting and Notification** | | | |
| Preparing a patient file | 4 | 2\* |  |
| Prescribe | 4 | 10\* |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| To be able to evaluate direct radiographs | 3 | 2\* |  |
| Filling the request form for laboratory examination | 4 | 2\* |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 2\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| To be able to apply rational drug use principles | 4 | 2\* |  |
| Applying IM, IV, SC, injections | 4 | 1\* |  |
| **H. Healthiness** | | | |
| Exercise and physical activity | 4 | 2\* |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  Compliance with internship rules  Adaptation to team work  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (practice exam) (out of 10 point)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 20 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (10%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam**: It is performed by the direct observation and evaluation of practical/interventional skills. Total contribution to the Practical-Oral Examination (10%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the practical-oral and theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV PEDIATRIC SURGERY CLERKSHIP GUIDE |

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| --- | --- | --- | --- | --- |
| **Code** | MED401 |  | **Type** | Compulsory/Elective |
| **Period** | 2 WEEKS |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **PEDIATRIC SURGERY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

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| **PEDIATRIC SURGERY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. PEDIATRIC SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| --- | --- |
| **OBJECTIVE OF THE PEDIATRIC SURGERY CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis and diagnosis of important, common diseases by considering the learning objectives specified in the core training program at the end of the pediatric surgery clerkship. |
|  | To be able to make a preliminary diagnosis by evaluating the anatomy, physiological features of the abdomen, thorax and urogenital organs, the signs and symptoms of the diseases affecting them. |
|  | To be able to perform emergency treatment by defining emergencies (acute abdomen, emergency approach to trauma, pneumothorax) for pediatric surgery. |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide the referral of the patient in appropriate conditions after emergency intervention and treatment |
|  | To gain the knowledge, skills and professionalism provided for the clerkship. |

### 2. PEDIATRIC SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Contribution levels | 4 | 4 | 5 | 4 | 5 | 5 | 3 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 5 |

***Contribution levels:*** *no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE PEDIATRIC SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Pediatric Surgery clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PEDIATRIC SURGERY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS** | | | | | |
| 1 | Apnea | 11 | Hematuria | 21 | Corrosive exposure |
| 2 | Fever | 12 | Urinary retention | 22 | Ambiguous genitalia |
| 3 | Encopresis | 13 | Undescended testis | 23 | Colic pains (renal, biliary, intestinal) |
| 4 | Mass on the neck | 14 | Constipation | 24 | Problems with height and diving (pressure change |
| 5 | Nausea and vomiting | 15 | Accidents (Home-work-traffic accidents, falling, drowning) | 25 | Melena-Hematemesis |
| 6 | dysphagia | 16 | Abdominal pain | 26 | Pelvic pain |
| 7 | Dyspnea | 17 | Mass in the abdomen | 27 | Icterus |
| 8 | Dysuria | 18 | Mass in the groin / scrotum | 28 | Urinary incontinence |
| 9 | Enuresis | 19 | Lymphadenopathy |  |  |
| 10 | Hematocesia / Rectal bleeding | 20 | Foreign body (swallowing / aspiration) |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Pediatric Surgery clerkship period.

|  |  |
| --- | --- |
| **PEDIATRIC SURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Acute abdominal Syndrom 2. Appendicitis 3. Ileus 4. Pneumothorax 5. Lower gastrointestinal bleeding 6. Foreign body / aspiration 7. Abdominal wall / Groin hernias 8. Obstructive uropathy 9. Stone disease of the urinary system 10. Upper gastrointestinal bleeding 11. Trauma and injuries 12. Intussusception 13. Testicular torsion 14. Intestinal obstruction in newborn 15. Diaphragmatic hernias 16. Gastro ‐ esophageal reflux 17. Genito-urinary trauma 18. Intussusception |
|  |  |
| In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Congenital structural anomalies (anorectal malformations, biliary atresia, branchial anomalies, Hirschspung's disease, malrotation) Head and neck cancers 2. Achalasia 3. Enurezis, enkoprezis 4. Diaphragmatic hernias 5. Esophageal atresia 6. Cholecystitis, Cholelithiasis 7. Neuroblastoma 8. Pyloric stenosis 9. Thyroglossal cyst 10. Wilms' tumor 11. Necrotizing enterocolitis in newborn 12. Hydrocele 13. Abdominal wall / Groin hernias 14. Perianal abscess 15. Pyloric stenosis |
|  |  |
| In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Acute Abdominal Syndrome 2. Lower gastrointestinal bleeding 3. Abdominal wall / Groin hernias 4. Obstructive uropathy 5. Stone disease of the urinary system 6. Upper gastrointestinal bleeding 7. Foreign body aspiration 8. Phimosis and parafimosis 9. Hydrocele 10. Hypospadias, epispadias 11. Ileus 12. Esophageal atresia 13. Torticollis 14. Foreign body aspiration |
|  |  |
| In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)** | 1. Gastro ‐ esophageal reflux 2. Anal fissure 3. Perianal abscess 4. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 5. Urinary system infections |
|  |  |
| In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Gastro ‐ esophageal reflux 2. The liquid electrolyte (Na, K, Ca, Mg, P) imbalance 3. Congenital structural anomalies (anorectal malformations, biliary atresia, branchial anomalies, Hirschspung's disease, malrotation) |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Pediatric Surgery clerkship period.

|  |  |
| --- | --- |
| **PEDIATRIC SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  Knows how to practice and explains the results to patients and / or relatives  (LEARNING LEVEL 1) | 1. To be able to take general and problematic anamesis 2. Abdominal examination 3. Child and newborn examination 4. Inguinal hernia examination 5. Testicular examination 6. Urological examination 7. Forensic case examination 8. Digital rectal examination |
|  |  |
| Skills specified in the adjacent column;  In an emergency, performs the application in accordance with the guide / instruction  (LEARNING LEVEL 2) | 1. To be able to take general and problematic anamnesis 2. Respiratory system examination 3. Abdominal examination 4. Urogenital examination 5. Preparing epicrises 6. To prepare patient file 7. Prescribing a recipe 8. To be able to prepare treatment refusal document 9. To be able to apply the principles of working with biological material 10. To be able to provide decontamination, disinfection, sterilization, antisepsis 11. To be able to filling the request form for laboratory examination 12. To be able to take the laboratory sample properly and deliver it to the laboratory 13. Hand washing |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Pediatric Surgery clerkship period

|  |  |
| --- | --- |
| **PEDIATRIC SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  | **3. Accidents**  **a.** Home accidents  **b.** Traffic accidents  **4. Child Neglect and Abuse**  a. Abuse (physical, emotional, sexual) |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Pediatric Surgery clerkship

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| **ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE PEDIATRIC SURGERY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. PEDIATRIC SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

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| --- | --- | --- | --- | --- |
| **SESSION IV PEDIATRIC SURGERY CLERKSHIP- WEEKLY COURSE PROGRAM** | | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **Monday** | **1. WEEK** | | | |
| Information about Internship and Ethical and Professional Values in Clinical Practices | 08.00-09.00 | Proff. A. Bedii SALMAN  Proff. Murat YİĞİTER  Asst.Prof. Binali FIRINCI  Asst.Prof. Çetin AYDIN |
| Intussiseption | 10.00-11.00 | Proff. Murat YİĞİTER |
| Embryology | 11.00-12.00 | Proff. A. Bedii SALMAN |
| Over Torsiyonu ve Over Kitleleri | 13:00-14:00 | Asst.Prof. Çetin AYDIN |
| Liquid-Electrolit Therapy | 14:00-15:00 | Asst.Prof. Binali FIRINCI |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Tuesday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| VUR and Urinary Anomalies | 10:00-11:00 | Proff. Murat YİĞİTER |
| Wilm’s Neuroblastoma Teratoma | 11:00-12:00 | Proff. A. Bedii SALMAN |
| Hirschsprung Disease | 13:00-14:00 | Asst.Prof. Çetin AYDIN |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Wednesday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| İntestinal Atresia NEC(Nekrotizan Enterokolit) | 10.00-11:00 | Proff. Murat YİĞİTER |
| Thoracal Traumas | 11:00-12:00 | Asst.Prof. Çetin AYDIN |
| Nöroblastom | 13:00-14.00 | Proff. A. Bedii SALMAN |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Tuesday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| Undescended Testis, Akut Skrotum | 10:00-11:00 | Asst.Prof. Binali FIRINCI |
| Abdominal Traumas | 11:00-12:00 | Asst.Prof. Çetin AYDIN |
| Patient Presentation | 13:00-14:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| Case-Based Learning (CBL) Session 1 | 14:00-15:00 | Asst.Prof. Binali FIRINCI / Asst.Prof. Çetin AYDIN |
| Polyclinic practice | 15.00-16.00 | Proff. Murat YİĞİTER |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Friday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| Head and Neck Masses | 11.00-12:00 | Proff. A. Bedii SALMAN |
| Esophageal burns | 13:00-14:00 | Asst.Prof. Çetin AYDIN |
| Surgical Diseases of the İnguinal Region | 14:00-15:00 | Asst.Prof. Binali FIRINCI |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Monday** | **2. WEEK** | | | |
| Vizit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| Esophageal Atresia | 10:00-11:00 | Proff. Murat YİĞİTER |
| Anorectal Malformations | 11:00-12:00 | Proff. A. Bedii SALMAN |
| Omphalocele + Gastroschisis | 14:00-15:00 | Asst.Prof. Binali FIRINCI |
| Polyclinic practice | 15:00-16:00 | Asst.Prof. Binali FIRINCI |
| Visit | 16:00-16:30 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Tuesday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| Hipertrofik Pilor Stenozu | 10:00-11:00 | Proff. Murat YİĞİTER |
| Diasragma Hernias | 11:00-12:00 | Proff. A. Bedii SALMAN |
| Operating room pracical training | 12:30-13:00 | Asst.Prof. Binali FIRINCI |
| Case-Based Learning (CBL) Session 2 | 13:00-14:00 | Proff. A. Bedii SALMAN / Asst.Prof. Çetin AYDIN |
| Urinary System Traumas | 14:00-15:00 | Asst.Prof. Çetin AYDIN |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Wednesday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| Abdominal Pain in Childhood, Appendisitis | 10:00-11:00 | Proff. Murat YİĞİTER |
| Congenital urogenitally Anomalies | 11.00-12.00 | Asst.Prof. Binli FIRINCI |
| Elective/freelance work | 13:00-17.00 |  |
| Vizit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Thursday** | Vizit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| Vitellin Channel Residues, Meckel Diverticulum, Umbilical Hernias | 11.00-12:00 | Asst.Prof. Binali FIRINCI |
| Operating room training | 13:00-14:00 | Asst.Prof. Çetin AYDIN |
| Case-Based Learning (CBL) Session 1 | 14:00-15:00 | Proff. Murat YİĞİTER/ Asst.Prof. Binali FIRINCI |
| Polyclinic practice | 15:00-16:00 | Asst.Prof. Binali FIRINCI |
| Visit | 16:00-17:00 | Asst.Prof. Binali FIRINCI/ Asst.Prof. Çetin AYDIN |
| **Friday** | Visit | 08.00-09.00 | Proff. A. Bedii SALMAN/ Proff. Murat YİĞİTER |
| EXAM (Practical – Theoric) | 09.30 | Proff. A. Bedii SALMAN  Proff. Murat YİĞİTER  Asst.Prof. Binali FIRINCI  Asst.Prof. Çetin AYDIN |
| Post-İnternship Feedback Meeting |  | Proff. A. Bedii SALMAN  Proff. Murat YİĞİTER  Asst.Prof. Binali FIRINCI  Asst.Prof. Çetin AYDIN |

### 5. MATCHING PEDIATRIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING PEDIATRIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** |
| CCER01 | Embryology | Prof. Dr. A. Bedii SALMAN | 1 |  |  | 11,12, | 1 |
| CCER02 | Liquid-Electrolit Therapy | Dr. Öğr. Üyesi Binali FIRINCI | 2 | 2 |  | 1,2,5,7,8,40 | 3 |
| CCER05 | Solid Tumors of Childhood (Wilms , Neuroblastoma, Teratoma) | Prof. Dr. A. Bedii SALMAN | 3 | 1 | 1,2 | 12,18,21 | 1,9,11,12 |
| CCER06 | Omphalocele + Gastroschisis | Dr. Öğr. Üyesi Binali FIRINCI | 1 | 1 | 17 | 1,12,41 | 1,2,9,11, |
| CCER07 | Childhood Tumors (Neuroblastoma) | Prof. Dr. A. Bedii SALMAN | 1 |  | 1,2 |  | 1,9,11 |
| CCER08 | Congenital urogenitally Anomalies (Epispadias, Hypospadias) | Dr. Öğr. Üyesi Binali FIRINCI | 1 | 1 | 8,9,11,20,22 | 5,12 |  |
| CCER11 | Undescended Testis/ Acute Scrotum | Dr. Öğr. Üyesi Binali FIRINCI | 1 | 1 | 18,26 | 4,10 | 2,4,5 |
| CCER12 | Diaphragmatic Hernias | Prof. Dr. A. Bedii SALMAN | page290image36802081 | 1 | 7 | 12 |  |
| CCER13 | Corrosive Esophagus Damages | Dr. Öğr. Üyesi Özgür ÇAĞLAR | 1 |  | 5,6,23,29 | 3, |  |
| CCER14 | Masses of Head and Neck | Prof. Dr. A. Bedii SALMAN | 1 | 1 | 4 | 12 | 3 |
| CCER15 | Surgical Diseases of Inguinal Region | Dr. Öğr. Üyesi Binali FIRINCI | 1 | 2 | 18 | 4,25 | 4 |
| CCER16 | Esophageal Atresia | Prof. Dr. Murat YIĞITER | 1 | 1 | 16,17 | 34 | 3 |
| CCER17 | Posterior Urethral valve and urethral anomalies | Dr. Öğr. Üyesi Binali FIRINCI | 1 | 1 | 8,9,11,20,22 | 5,12 |  |
| CCER18 | Anorectal Malformations | Dr. Öğr. Üyesi Binali FIRINCI | 1 | 1 | 1,14,26 | 12,15 | 9,10 |
| CCER19 | Congenital Hypertrophic Pyloric Stenosis | Prof. Dr. Murat YIĞITER | 1 |  | 5 | 19 | 2 |
| CCER20 | Genito - Urinary System Traumas | Dr. Öğr. Üyesi Özgür ÇAĞLAR | page290image57792321 | 2 | 8,11,12 | 8 | 10 |
| CCER21 | Necrotizan Enterocolitis | Prof. Dr. Murat YIĞITER | 1 |  | 1,5 | 1,2,11,22 | 3 |
| CCER22 | Intussiseption | Prof. Dr. Murat YIĞITER | 1 |  | 1,5 | 1,2,7,23,28,40 | 1,2,9 |
| CCER23 | Vitellin Channel Residues, Meckel Diverticulum | Dr. Öğr. Üyesi Binali FIRINCI | 1 |  | 1,5 | 1,2,7,23,28,40 | 1,2,9 |
| CCER24 | Intestinal Atresia | Prof. Dr. Murat YIĞITER | 1 | 1 | 1,5,17 | 1,11 | 1,2 |
| CCER25 | Ovarian Torsion and Ovarian Masses | Dr. Öğr. Üyesi Özgür ÇAĞLAR | 1 | 1 | 16, | 1,23 | 2 |
| CCER26 | Approaches to Abdominal Pain in Childhood | Prof. Dr. Murat YIĞITER | 1 | 1 | 1,5 | 1,2,7,23,28,40 | 1,2,9 |
| CCER27 | Hirschsprung Disease | Dr. Öğr. Üyesi Özgür ÇAĞLAR | 1 |  | 1,5,16 | 1,15,23 | 1,2,9,12 |
| CCER28 | Abdominal Traumas | Dr. Öğr. Üyesi Özgür ÇAĞLAR | 1 | 1 | 1,5,6,16,26,25 | 1,2,23,24 | 1,2,3,7,8,9,13 |
| CCER29 | VUR and Ureter Anomalies | Prof. Dr. Murat YIĞITER | 1 |  | 8,9,11,26 | 5,6,26,27 | 1,6,13 |

### 6. LEARNING METHODS OF PEDIATRIC SURGERY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF PEDIATRIC SURGERY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessent * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR PEDIATRIC SURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PEDIATRIC SURGERY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking an Anamnesis** |  | | |
| To be able to take general and problematic anamnesis | **4** | **1\*** |  |
| **B. General and Problem-Oriented Physical Examination** | | | |
| Abdominal Examination | **3** | 1,2,3,\* |  |
| Genitourinary System Examination | **3** | 1\* |  |
| **C. Record Keeping, Reporting and Notification** | | | |
| Writing prescriptions | **4** | 1\* |  |
| Preparing a patient file | **4** |  |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | **4** | 3 |  |
| Filling the request form for laboratory examination | **4** | 3 |  |
| To be able to interpret the results of scanning and diagnostic purposes | **3** | 3\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Inguinal Hernia Reduction (**\***) | **3** | 1,2 |  |
| Follow-up of the Patient After Surgery (with Assistant) | **3** | 1,3 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | | |
| **III-** **Clinical Problem Solving (out of 10)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 20 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN PEDIATRIC SURGERY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN PEDIATRIC SURGERY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (20%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 10) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV RADIOLOGY CLERKSHIP GUIDE |

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| **Code** | MED407 |  | **Type** | Compulsory |
| **Period** | 2 weeks |  | **ECTS** | 3 |

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| --- | --- |
| **RADIOLOGY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
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| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | E.Tuncel Clinically Radiology 2012 |
| **2.** | Michael Y.M. Chen, Thomas L. Pope, David J. Ott, Lange Basic Radiology, Second edition, 2011, The McGraw-Hill Companies |
| **3.** | Mukesh Harisinghani John Chen Ralph Weissleder, Primer of Diagnostic Imaging, 6th Edition, 2018, Elsevier |

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| **RADIOLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. RADIOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| **OBJECTIVE OF THE RADIOLOGY CLERKSHIP PROGRAM** | |
|  | General radiology knowledge, choosing appropriate radiological methods, typical radiological diseases to gain the skills of recognizing the findings and making differential diagnosis. |
|  | To be able to make a preliminary diagnosis / diagnosis by identifying emergency radiological conditions |
|  | To gain the ability to explain what should be considered in the selection of imaging methods to be requested for diagnosis, the sensitivity and limitations of examination methods. |
|  | To gain the ability to evaluate radiographs |
|  | To learn the basic indications of ultrasonography, Doppler ultrasonography, computed tomography and magnetic resonance imaging indications and advanced imaging methods |
|  | To be able to gain the knowledge, skills and professionalism characteristics determined for the internship |

### 2. RADIOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 4 | 4 | 5 | 2 | 5 | 4 | 5 | 3 |  | 5 | 4 |  | 3 |  |  |  | 5 | 4 |  | 4 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 4 | 5 | 3 |  | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE RADIOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** During the Term VI Radiology Internship, the list could not be arranged separately for the Radiology internship, since the faculty may include a significant portion of the symptoms / conditions included in the core training program.

**B. In terms of knowledge:** : As the faculty may cover a significant portion of the diseases / clinical problems in the core training program during the Term VI Radiology Internship, no list was drawn up for the Radiology internship.

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Radiology clerkship period.

|  |  |
| --- | --- |
| **RADIOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  Knows how to practice and explains the results to patients and / or relatives  **(LEARNING LEVEL 1)** | “--------” |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | “--------“ |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1. To recognize radiological anatomy  2. To be able to explain the biological effects of radiation  3. Explaining the side effects of contrast agents used in radiology and planning their treatment  4. To determine the priority radiological examination according to clinical findings  5. To distinguish the radiological views normally and pathologically  6. To be able to interpret the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological)  7. To explain radiological emergencies according to the systems  8. To associate radiological findings with clinical information |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 9.To be able to explain the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) within cause-effect relationships  10. To be able to read and evaluate direct radiographs  11. To be able to interpret the radiological examination results for screening and diagnostic purposes  12. informing the patient and getting patient approval form  13. To apply the principles of working with biological material  14. To be able to provide decontamination, disinfection, sterilization, antisepsis.  15. Hand washing |

**D. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Radiology clerkship

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| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE RADIOLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Adequate illumination of the patient on radiological imaging modalities  15. To obtain informed consent in terms of interventional radiological procedures to be applied to the patient, |

### 4. RADIOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

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| --- | --- | --- | --- |
| **SECTION VI RADIOLOGY INTERNSHIP PROGRAM** | | | |
| **Days** | **Lessons** | **Lesson hour** | **Teaching Staff** |
| **Monday** | **1. WEEK** | | |
| Information about Radiology Internship Program | 09.00-09.30 | Lecturer in charge of internship |
| Basic Radiology Physics | 10.00-12.00 | Dr. Ü. BAYRAKTUTAN |
| Uroradiology | 13.30-14.30 | Dr. F. AYDIN |
| Radiology practice | 14.30-16.00 | Lecturer in charge of internship |
| Training meeting | 16.00-17.00 |  |
| **Tuesday** | Respiratory System Radiology | 09.00-11.00 | Dr. A. KARAMAN |
| Radiology practice | 11.00-12.00 |  |
| Case-Based Evaluation (first session) | 13.30-15.30 | Dr. A. YALÇIN |
| Radiology practice | 15.30-17.00 |  |
| **Wednesday** | Gastrointestinal System Radiology | 09.00-11.00 | Dr. Ü. BAYRAKTUTAN |
| Radiology practice | 11.00-12.00 |  |
| ELECTIVE / FREELANCE | 13.30-16.00 | ELECTIVE / FREELANCE |
| **Thursday** | Interventional Radiology | 09.00-11.00 | Dr. S. EREN |
| Musculoskeletal Radiology (Radiological anatomy and basic pathologies) | 11.00-12.00 | Dr. B.Y.ÇANKAYA |
| Neuroradiology (Radiological anatomy and basic pathologies) | 13.30-14.30 | Dr. A. YALÇIN |
| Radiology practice | 14.30-17.00 |  |
| **Friday** | Vascular System - Cardiac Radiology | 09.00-11.00 | Dr. B. Y.ÇANKAYA |
| Radiology practice | 11.00-12.00 | Lecturer in charge of internship |
| Case-Based Evaluation (second session) | 13.30-15.30 | Dr. A.YALÇIN |
| Radiology practice | 15.30-17.00 |  |
| **Monday** | **2. WEEK** | | |
| Breast Radiology and General Radiologic Algorithm | 09.00-11.00 | Dr. F. ALPER |
| Radiology practice | 11.00-12.00 | Lecturer in charge of internship |
| Pediatric Radiology | 13.30-14.30 | Dr. R.SADE |
| Training meeting | 14.30-16.00 |  |
| **Tuesday** | The diagnosis and management of acute ischemic stroke | 09.00-10.00 | Dr. A.YALÇIN |
| Head and Neck Radiology | 10.00-11.00 | Dr. E. GÖZGEÇ |
| Radiology practice | 11.00-12.00 | Lecturer in charge of internship |
| Case-Based Evaluation (third session) | 13.30-15.30 | Dr. A.YALÇIN |
| Radiology practice | 15.30-17.00 | Lecturer in charge of internship |
| **Wednesday** | Obstetrics and Genital Radiology | 09.00-11.00 | Dr. F. GÜVEN |
| Radiology practice | 11.00-12.00 | Lecturer in charge of internship |
| ELECTIVE / FREELANCE | 13.30-16.00 | ELECTIVE / FREELANCE |
| **Thursday** | Emergency Radiology | 09.00-11.00 | Dr.R.SADE |
| Radiology practice | 11.00-12.00 | Lecturer in charge of internship |
| Radiology practice | 13.30-16.00 | Lecturer in charge of internship |
| Training meeting | 16.00-17.00 |  |
| **Friday** | Clinical Exam | 09.30 |  |
| Written Exam | 13.30 |  |
| The feedback meeting after internship program | After exams | Seminary Room |

### 5. MATCHING RADIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Basic Medical**  **Practices** |
| RAD001 | Basic Radiology Physics | Dr. U. Bayraktutan | 1 |  | 2,3 |
| RAD002 | Female Genital System and Pregnancy Radiology | Dr. F. GUVEN | 1,5 |  | 1,4-9 |
| RAD003 | Respiratory System Radiology | Dr. A. KARAMAN | 2 |  | 1,4-9 |
| RAD004 | CBL (Case-based learning), 1st seance) | Dr. B. ÇANKAYA |  | 2 | 1,6,8, 9,10 |
| RAD005 | Uroradiology I-II | Dr. G. POLAT | 1,5 |  | 1,4-9 |
| RAD006 | Gastrointestinal System Radiology I-II | Dr. R. SADE | 2 |  | 1,4-9 |
| RAD007 | Vascular Interventional Radiological Procedures | Dr. S.EREN | 1 |  | 1,12-15 |
| RAD008 | Neuroradiology | Dr. H. OĞUL | 1 |  | 1,4-9,11 |
| RAD009 | Radiological Approach and Emergency Radiological Approach in Forensic Cases | Dr. A. KANTARCI | 2 |  | 1,7-9,11 |
| RAD010 | Non-Vascular Interventional Radiological Procedures | Dr. S.EREN | 1,5 |  | 1,12-15 |
| RAD011 | Emergency Abdominal Radiology and Radiological Algorithm | Dr. U. Bayraktutan | 2 |  | 1,4-9 |
| RAD012 | Circulatory System Radiology | Dr. B. ÇANKAYA | 2 |  | 1,4-9 |
| RAD013 | CBL (Case-based learning), 2st seance) | Dr. B. PIRIMOĞLU |  | 2 | 1,6,8,9,10 |
| RAD014 | Musculoskeletal System Radiology | Dr. H. OĞUL | 2 |  | 1,4-9 |
| RAD015 | Pediatric Radiology | Dr.B. PIRIMOĞLU | 1 |  | 1,4-9,10,11 |
| RAD016 | Abdominal Radiology | Dr. F. ALPER | 2 |  | 1,4-9,10 |
| RAD017 | Breast Radiology | Dr. F. ALPER | 2 |  | 1,4-9,10,11 |
| RAD018 | Acute Stroke Diagnosis and Treatment | Dr. R. SADE | 1 |  | 1,6-9 |
| RAD019 | CBL (Case-based learning), 3st seance) | Dr. E. GÖZGEÇ |  | 2 | 1,6,8,9,10 |
| RAD020 | Head and Neck Radiology | Dr. E. GÖZGEÇ | 1 |  | 1,4-9 |
| RAD021 | Genitourinary System Radiology | Dr. F. GUVEN | 1 |  | 1,4-9 |
| RAD022 | Cardiac Vascular Anatomy and Radiological Imaging | Dr. A. KANTARCI | 2 |  | 1,4-9 |
| RAD023 | Radiography, IVP, Fluoroscopy, Mammography Practice |  |  | 6 | 1,4-11 |
| RAD024 | US and Doppler US Practice |  |  | 5 | 1,4-9,11 |
| RAD025 | Practice of CT and MRI evaluation |  |  | 6 | 1,4-9,11 |
| RAD026 | Interventional Radiology Practice |  |  | 5 | 1,4-11 |
| RAD027 | Notification meeting of the aims and objectives of the internship | Head of internship commission | 1 |  |  |
| RAD028 | Post-internship feedback meeting | Head of internship commission | 1 |  |  |

### 6. LEARNING METHODS OF RADIOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF RADIOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussions * Reflection sessions * Gamification, psychodrama * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR RADIOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level \*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| 1.Radiological anatomy recognition | 1 | 5 |  |
| 2. To explain the biological effects of radiation | **1** | 1 |  |
| 3. Describing the side effects of contrast agents used in radiology and planning their treatment | **3** | 1\* |  |
| 4. To determine the priority radiological examination according to clinical findings | **3** | 1\* |  |
| 5. To be able to distinguish the radiological views normally and pathologically | **2** | 5\* |  |
| 6.To be able to interpret the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) | **2** | 5\* |  |
| 7. To explain radiological emergencies according to the systems | **3** | 5 |  |
| 8. To be able to associate radiological findings with clinical information | **3** | 5 |  |
| 9. To be able to explain the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) within cause-effect relationships. | **2** | 5\* |  |
| 10. To be able to read and evaluate direct radiographs | **3** | 10 |  |
| 11. To be able to interpret the radiological examination results for screening and diagnostic purposes | **3** | 10 |  |
| 12. Informing the patient and getting patient approval form | **1** | 3\* |  |
| 13. To apply the principles of working with biological material | **2** | 3 |  |
| 14. To be able to provide decontamination, disinfection, sterilization, antisepsis. | **2** | 3 |  |
| 15. Hand washing | **4** | 5 |  |
| **Total Basic Medicine Practice score (out of 10)** | | |  |
| **II-** **Impression about the student - Professionalism Suitable for Physician (Assessed by Faculty Members)** | | | |
| Compliance with internship rules | | |  |
| Adaptation to team work | | |  |
| **Total Professionalism score (out of 10)** | | |  |
| **INTERNSHIP REPORT TOTAL SCORE (out of 20 points)** | | |  |
| Teaching Staff Head of Department  Date and Sign Date and Sign | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN RADIOLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN RADIOLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (20%)   + **Basic Medicine Practices** (10 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration. Contribution to the practice-oral exam at the end of the internship (10%). * **Practical and Oral Examination:** It is carried out in the form of direct observation and evaluation of practical / observational and interventional skills. Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating radiological information).Total contribution to the Practical-Oral Examination (80 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 50 multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV FAMILY MEDICINE CLERKSHIP GUIDE |

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| --- | --- | --- | --- | --- |
| **Code** | MED451 |  | **Type** | Elective |
| **Period** | 2 weeks |  | **ECTS** | 6 |

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| --- | --- |
| **FAMILY MEDICINE CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

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| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Rakel Family Medicine Textbook |
| **2.** | McWhinney Essensial of Family Medicine |

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| --- | --- |
| **FAMILY MEDICINE CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. FAMILY MEDICINE CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| --- | --- |
| **OBJECTIVE OF THE FAMILY MEDICINE CLERKSHIP PROGRAM** | |
|  | To teach the definition, characteristics, history and functioning of Family Medicine |
|  | To teach biopsychosocial approach in Family Medicine |
|  | To teach medical history and physical examination in Family Medicine |
|  | To teach the necessity of keeping records, and reporting in Family Medicine |
|  | To teach laboratory tests and other related procedures in Family Medicine |
|  | To teach the management of common diseases in Family Medicine |
|  | To teach preventive medicine applications in Family Medicine |
|  | To teach health services to improve general health in family medicine |
|  | To teach emergency response at primary level and to provide patient referral under appropriate conditions. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. FAMILY MEDICINE CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| Contribution levels | 4 | 5 | 5 | 5 | 4 | 4 | 3 | 3 | 1 | 4 | 4 | 4 |  | 3 | 3 |  |  | 3 | 3 | 4 |
| Program Qualifications | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| Contribution levels | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE FAMILY MEDICINE CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Family Medicine clerkship period

|  |  |  |
| --- | --- | --- |
| **FAMILY MEDICINE CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | |
| 1. Dry mouth | 7. Runny nose / congestion | 13. Breast lumps |
| 2. Anemia | 8. Growth-developmental retardation | 14. Polydipsia |
| 3. Anxiety | 9. Mood changes | 15. Polyuria |
| 4. Fever | 10. Hypertension | 16. Postnasal discharge |
| 5. Headache | 11. Suicide (Thought, attempt) / Self-harm | 17. Tobacco use |
| 6. Sore throat | 12. Weight gain / excess | 18.Halsizlik/yorgunluk |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Family Medicine clerkship period.

|  |  |
| --- | --- |
| **FAMILY MEDICINE CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Appendicitis 2. Hemorrhagic diseases of the newborn 3. Cardiopulmonary arrest |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Sexual dysfunctions 2. Physical symptom disorders 3. Cystic fibrosis 4. Chromosome diseases (common) 5. Breast diseases and tumors 6. Secondary hypertension 7. Sleeping disorders 8. Attention deficit and hyperactivity disorder 9. Pheochromocytoma 10. Panic disorder 11. Sleep ‐ apnea syndrome |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. RH incompatibility during pregnancy 2. Depression 3. Hyperemesis gravidarum 4. Metabolic syndrome 5. Obesity 6. Newborn jaundice |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 1. Vitamin D deficiency 2. Iron deficiency anemia 3. Diabetes mellitus and complications 4. Essential hypertension 5. Conjunctivitis in newborns 6. Upper respiratory infections 7. influenza |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. RH incompatibility during pregnancy 2. Risky pregnancy 3. Cervical tumors 4. Metabolic disorders in newborn 5. Upper respiratory tracct infections |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 1. Iron deficiency anemia 2. Depression 3. Diabetes mellitus and its complications 4. Essential hypertension 5. Metabolic syndrome 6. Obesity 7. Gestational diabetes |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Family Medicine clerkship period.

|  |  |
| --- | --- |
| **FAMILY MEDICINE CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | ........ |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | ........ |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | To be able to identify risk groups in the society |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 1. Immunization-in childhood and adults  2. Healthy Infant Monitoring  3. Exercise and physical activity  4. Follow-up and periodic health examinations at different stages of life (pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, old age)  5. Healthy eating  6. Pre-marriage screening program  7. Developmental hip dysplasia screening program  8. Vision screening programs  9. Hearing screening programs  10. Newborn metabolic and endocrine disease screening program  11. Periodic health examination (vision, hearing, metabolic diseases, vaccination of risky groups, cancer screening)  12. Ability to teach breast self-examination  13. Immunization counseling  14. To be able to carry out immunization services  15. To teach the correct breastfeeding methods |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Family Medicine clerkship period

|  |  |
| --- | --- |
| **FAMILY MEDICINE CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  | **2. Addiction**  b. Tobacco |
|  | **5. Environment and health interaction**  a. Healthy nutrition and food policies |
|  | **8. Difficulties in physician-patient interaction**  a. Incompatibility / rejection to preventive and therapeutic applications (eg vaccine instability)  g. Bodily symptoms triggered by somatization / psycho-social factors |
|  | **9. Priority / disadvantaged groups**  a. to. pregnant women |
|  | **10. Legal and ethical situations**  a. Professional duties and obligations  b. Legal and ethical differences and dilemmas in medical practices  d. The legal nature and ethical dimension of the physician-patient relationship  g. Ethical situations in medical record, prescription and report writing |
|  | **12. Unemployment and poverty**  c. Individual's psycho-social well-being  d. Community and family health |
|  | **20. Psychological and social well-being**  a. Health in different stages of life  b. Family health, family support |
|  | **25. Health conditions**  a. Nutrition  b. Physical, mental activity and exercise  c. Sedentary life  h. Maternal and child health  j. Health promotion  l. immunization  p. Health scans |
|  | **31. Professionalism in Medicine**  c. Professional values, professional identity development and historical perspective, being open to professional and individual development |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Family Medicine clerkship

|  |
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| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **FAMILY MEDICINE CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

Üstteki bölüme Ekleme-çıkarma yapabilirsiniz (Lütfen uyarıyı silmeyi unutmayınız)

### 4. FAMILY MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM

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| **4th CLASS FAMILY MEDICINE CLERKSHIP PROGRAM** |

|  |  |  |  |
| --- | --- | --- | --- |
| **DAYS** | **TOPIC** | **HOURS** | **LECTURER** |
| **Monday** | **1. WEEK** | | |
| Information about the clerkship-  Ethical and professional values in clinical practice | 08.00-09.50 | Asst.Prof. M. BAYRAKTAR |
| ÇEP Teaching Targets | 10.00-11.50 | Asst.Prof. M. BAYRAKTAR |
| Case-Based Learning-1 | 13.30-14.20 | Asst.Prof. İ.B.Y. KARTAL |
| Family Medicine and Management of FHS | 14.30-15.20 | Asst.Prof. M. BAYRAKTAR |
| Elective/freelance | 15.30-17.00 |  |
| **Tuesday** | Pediatric physical examination and medical history | 08.00-08.50 | Prof. Dr. Y. ÇAYIR |
| Healthy Children Follow-up1 | 09.00-09.50 | Prof. Dr. Y. ÇAYIR |
| Healthy Children Follow-up-2 | 10.00-10.50 | Prof. Dr. Y. ÇAYIR |
| Vaccines-1 | 11.00-11.50 | Prof. Dr. Y. ÇAYIR |
| Vaccines-2 | 13.30-14.20 | Prof. Dr. Y. ÇAYIR |
| Newborn Care in Family Medicine | 14.30-15.20 | Prof. Dr. Y. ÇAYIR |
| Elective/freelance | 15.30-17.00 |  |
| **Wednesday** | Practices of prescription in the area | 08.00-11.50 |  |
| Elective/freelance | 13.30-17.00 |  |
| **Thursday** | Physical Examination in Primary Care-1 | 08.00-08.50 | Asst.Prof. S.SİNCAN |
| Physical Examination in Primary Care-2 | 09.00-09.50 | Asst.Prof. S.SİNCAN |
| Upper Respiratory Tract Infections in Primary care -1 | 10.00-10.50 | Asst.Prof. S.SİNCAN |
| Upper Respiratory Tract Infections in Primary care -2 | 11.00-11.50 | Asst.Prof. S.SİNCAN |
| Periodical Physical Examination | 13.30-14.20 | Asst.Prof. S.SİNCAN |
| Cancer screenings in Primary Care | 14.30-15.20 | Asst.Prof. S.SİNCAN |
| Elective/freelance | 15.30-17.00 |  |
| **Friday** | Management of Diabetes in Primary Care-1 | 08.00-08.50 | Assoc.Prof. K. TAŞTAN |
| Management of Diabetes in Primary Care-2 | 09.00-09.50 | Assoc.Prof. K. TAŞTAN |
| Management of Hypertension in Primary Care-1 | 10.00-10.50 | Assoc.Prof. K. TAŞTAN |
| Management of Hypertension in Primary Care-2 | 11.00-11.50 | Assoc.Prof. K. TAŞTAN |
| Management of Depression in Primary Care-1 | 13.30-14.20 | Assoc.Prof. K. TAŞTAN |
| Management of Depression in Primary Care-2 | 14.30-15.20 | Assoc.Prof. K. TAŞTAN |
| Elective/freelance | 15.30-17.00 |  |
| **Monday** | **2. WEEK** | | |
| Pregnant follow up in Primary care-1 | 08.00-08.50 | Asst.Prof. M. BAYRAKTAR |
| Case-Based Learning-2 | 09.00-09.50 | Asst.Prof. İ.B.Y. KARTAL |
| Interpreting Lab tests in Primary care-1 | 10.00-10.50 | Asst.Prof. M. BAYRAKTAR |
| Interpreting Lab tests in Primary care-2 | 11.00-11.50 | Asst.Prof. M. BAYRAKTAR |
| ECG in Primary care-1 | 13.30-14.20 | Asst.Prof. M. BAYRAKTAR |
| ECG in Primary care -2 | 14.30-15.20 | Asst.Prof. M. BAYRAKTAR |
| Elective/freelance | 15.30-17.00 |  |
| **Tuesday** | Obesity and metabolic syndrome in Primary care -1 | 08.00-08.50 | Prof. Dr. Y. ÇAYIR |
| Obesity and metabolic syndrome in Primary care -2 | 09.00-09.50 | Prof. Dr. Y. ÇAYIR |
| Tobacco Cessation Counseling -1 | 10.00-10.50 | Prof. Dr. Y. ÇAYIR |
| Tobacco Cessation Counseling -2 | 11.00-11.50 | Prof. Dr. Y. ÇAYIR |
| Complementary feeding-1 | 13.30-14.20 | Prof. Dr. Y. ÇAYIR |
| Complementary feeding-2 | 14.30-15.20 | Prof. Dr. Y. ÇAYIR |
| Elective/freelance | 15.30-17.00 |  |
| **Wednesday** | Practices of prescription in the area | 08.00-11.50 |  |
| Elective/freelance | 13.00-17.00 |  |
| **Thursday** | Family Medicine Description and the History | 08.00-08.50 | Asst.Prof. S.SİNCAN |
| Medical Law in Primary care | 09.00-09.50 | Asst.Prof. S.SİNCAN |
| Frequent prescriptions in Primary care-1 | 10.00-10.50 | Asst.Prof. S.SİNCAN |
| Case-Based learning-3 | 11.00-11.50 | Asst.Prof. İ.B.Y. KARTAL |
| Elective/freelance | 13.30-17.00 |  |
| **Friday** | Practical Examination | 08.00-12.00 | Prof. Dr. Y. ÇAYIR  Assoc.Prof. K. TAŞTAN  Asst.Prof. M. BAYRAKTAR  Asst.Prof. S.SİNCAN  Asst.Prof. İ.B.Y. KARTAL |
| Written Examination | 13.30-15.30 |
| Feedbacks | 15.30-17.00 | Asst.Prof. M. BAYRAKTAR |

### 5. MATCHING FAMILY MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING FAMILY MEDICINE CLERKSHIP LESSONS WITH EDUCATIONAL OBJECTIVES** | | | | | | | | |
| **Lesson Code** | **Lesson Topic** | **LECTURER** | **Teoretocical hour** | **Practical Hour** | **Symptoms/ situations** | **Clinical problem** | **Basic Physical practice** |
| AH4001 | Information about Internship and Ethical and Professional Values in Clinical Practice | Asst.Prof. M. BAYRAKTAR | 2 |  |  |  |  |
| AH4002 | ÇEP Teaching Targets | Asst.Prof. M. BAYRAKTAR | 2 |  |  |  |  |
| AH4003 | Family Medicine and Management of ASM | Asst.Prof. M. BAYRAKTAR | 2 |  |  |  | A1,C1,C2,  C3,C4,C6,C7 |
| AH4004 | Pediatric physical examination and anamnesis | Assoc.Prof. Y. ÇAYIR | 2 |  | 11,15,17,20,23,29,40,54,  63,92,99,100 | 5,12,14,30,61,62,74,91 | B5,B9,B3,B9  E8,E11,E40 |
| AH4005 | Physical Examination in Primary Care | Dr.. Öğr. Üyesi S.SINCAN | 2 |  | 1,5,18,25,31,43,44,52,73,  115,132 | 19,23,39,42,50,63,7581,95 | A1,B3,B11,D5,D6,D7E3,E6,E8,E11,F5 |
| AH4006 | Management of Diabetes in Primary Care | Asst.Prof. K. TAŞTAN | 2 |  | 3,46,48,112,113 | 76,118,144,146 | A1,B10,D7,D9,D10,E6 |
| AH4007 | Management of Hypertension in Primary Care | Asst.Prof. K. TAŞTAN | 2 |  | 12,22,25,44 | 1,8,11,29,164,196 | B13,D5,D9,E6,E40 |
| AH4008 | ECG in Primary care | Asst.Prof. M. BAYRAKTAR | 2 |  | 25,44,56,71 | 14,28,167,168,174 | D5,D8,E40 |
| AH4009 | Family Medicine Description and the History | Dr.. Öğr. Üyesi S.SINCAN | 1 |  |  |  | A1,B1,B20,C1,C2,C4C6,C11 |
| AH4010 | Medical Law in Primary care | Dr.. Öğr. Üyesi S.SINCAN | 1 |  |  |  | B18,B19,B20,C1,C2C3,C6,C10,C11 |
| AH4011 | Management of Depression in Primary Care | Asst.Prof. K. TAŞTAN | 2 |  | 6,16,37,48,67,68,98 | 68 | A1,A3,B4,B20 |
| AH4012 | Vaccines | Assoc.Prof. Y. ÇAYIR | 2 |  | 11,15,21,29 | 21,47,91 | A1,B9,E56,E60,E63,F4 |
| AH4013 | Healthy Children Folow-up | Assoc.Prof. Y. ÇAYIR | 2 |  |  |  | B5,E11,F3,F11,H1,H2 |
| AH4014 | Newborn Care in Family Medicine | Assoc.Prof. Y. ÇAYIR | 1 |  |  |  | B5,D18,E20,E69,F3,F11,H1,H2,I5 |
| AH4015 | Obesity and metabolic syndrome in Primary care | Assoc.Prof. Y. ÇAYIR | 2 |  | 3,9,14,24,30,56,62,69,112,113 | 15,76,81,101,219 | B13,D5,D7,D,10,H3,H5 |
| AH4016 | Upper Respiratory Tract Infections in Primary care | Asst.Prof. S.SINCAN | 2 |  | 11,13,17,20,21,48 | 316 | A1,B15,B21 |
| AH4017 | Frequent prescriptions in Primary care | Asst.Prof. S.SINCAN | 2 |  |  | 108,316,312 | B3,B15,B21,E4 |
| AH4018 | Periodical Physical Examination | Asst.Prof. S.SINCAN | 1 |  |  |  | B3,B8,B11,B13,B16,B21,D7,E40 |
| AH4019 | Cancer screenings in Primary Care | Asst.Prof. S.SINCAN | 1 |  | 5,11,14,48,77,92,94,95,96,141 | 7,39,50,110,180,213,230 | A1,B16,D18 |
| AH4020 | Pregnant follow up in Primary care | Asst.Prof. M. BAYRAKTAR | 2 |  | 13,14,20,37,48,56,72,102 | 67,115,121,92 | B8,D17,E25 |
| AH4021 | Interpreting Lab tests in Primary care | Asst.Prof. M. BAYRAKTAR | 2 |  |  |  | D3,D6,D8,D9,D13, D17 |
| AH4022 | Tobacco Cessation Counseling | Assoc.Prof. Y. ÇAYIR | page290image57744482 |  |  |  | D4,E40,E57,H3 |
| AH4023 | Complementary feeding | Assoc.Prof. Y. ÇAYIR | 2 |  |  |  | H3,H5 |
| AH4024 | Feedbacks | Asst.Prof. M. BAYRAKTAR | 1 |  |  |  |  |

### 6. LEARNING METHODS OF FAMILY MEDICINE CLERKSHIP PROGRAM

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| **LEARNING METHODS OF FAMILY MEDICINE CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Interdiciplinary learning activities * Critical situation discussions * Reflection sessions * Written visual texts readings and interpretations |

### 7. “STUDENT TRAINEE REPORT” FOR FAMILY MEDICINE CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV FAMILY MEDICINE CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| To be able to take general and problematic medical history | **4** | **3\*** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| To make general system examination | **3** | 3\* |  |
| Ability to perform detailed physical examination specific to the problem | **3** | 3\* |  |
| **C. Registration, Reporting and Notification** | | | |
| Writing prescriptions | **4** | 3\* |  |
| Record keeping in AHBS | **4** | 3 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | **4** | 3 |  |
| Filling the request form for laboratory examination | **4** | 3 |  |
| Scanning and interpreting laboratory results | **3** | 3\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Injection | **4** | 1\* |  |
| Venous blood collection | **4** | 1 |  |
| Ability to take heel blood | **4** | 2 |  |
| Vaccine application | **4** | 1 |  |
| To be able to follow pregnant-puerperant-baby | **4** | 1 |  |
| Cancer screening | **4** | 1 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN FAMILY MEDICINE CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN FAMILY MEDICINE CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (10%).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%). * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85%) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam.   Sınavınızda çoktan seçmeli ve/veya yazılı sınav sorusu konusunda bilgi veriniz. Lütfen silmeyi unutmayınız) |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED452 |  | **Type** | Elective |
| **Period** | 2 weeks |  | **ECTS** | 3 |

|  |  |
| --- | --- |
| **CLINICAL PHARMACOLOGY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committees in session 2 and 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Oğuz Kayaalp Medical Pharmacology Book (volumes 1 and 2) |
| **2.** | Goodman Gilman Pharmacology Book |
| **3.** | Lippincott’s Illustrated Reviews Pharmacology Book |
| **4.** | Katzung and Trevor Pharmacology Book |

|  |  |
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| **CLINICAL PHARMACOLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. CLINICAL PHARMACOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM** | |
|  | To gain awareness and skill of rational drug and personal drug selection |
|  | To gain rational prescribing skills |
|  | To raise awareness about drug interactions and adverse effects of drugs |
|  | To inform about drug application methods |
|  | To raise awareness about drug poisoning and its treatment |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. CLINICAL PHARMACOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| Contribution levels | 5 | 5 | 5 | 4 | 3 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 3 | 3 | 5 | 5 |
| Program Qualifications | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| Contribution levelsvbc | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Clinical Pharmacologyclerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CLINICAL PHARMACOLOGY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Fever | 12 | Movement restriction in joints | 23 | Immobilization |
| 2 | Headache | 13 | Cough | 24 | Suicidal ideation / attempt |
| 3 | Nausea-vomiting | 14 | Weight gain | 25 | Fatigue and tiredness |
| 4 | Joint pain / swelling | 15 | Weight loss | 26 | Cognitive impairment and forgetfulness |
| 5 | Mood changes | 16 | Runny nose / congestion | 27 | Problems with sleep |
| 6 | Fatigue | 17 | Legal situations / responsibilities | 28 | Tobacco use |
| 7 | Abdominal pain | 18 | provision of health services in Turkey | 29 | Learning difficulties |
| 8 | Hypertension | 19 | Health systems and economy | 30 | Decreased reasoning ability |
| 9 | Polyuria | 20 | Neuropathic pain | 31 | Sexual dysfunction |
| 10 | Polydipsia | 21 | Risk management and malpractice | 32 | Dizziness |
| 11 | Sore throat | 22 | Appetite disorder | 33 | Hypotension |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Clinical Pharmacologyclerkship period.

|  |  |
| --- | --- |
| **CLINICAL PHARMACOLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Schizophrenia and other psychotic disorders  2. Nausea and Vomiting  3. Essential hypertension  4. Drug side effects  5. Diabetes mellitus and its complications  6. Iron deficiency anemia |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 7. Schizophrenia and other psychotic disorders  8. Secondary hypertension |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 9. Depression  10. Drug side effects |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 11 Nausea and Vomiting  12. Essential hypertension  13. Upper respiratory tract infections  14. Osteoarthritis  15. Diabetes mellitus and its complications  16. Iron deficiency anemia |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 17 Nausea and Vomiting  18. Diabetes mellitus and its complications  19. Upper respiratory tract infections  20. Essential hypertension  21. Depression  22. Drug side effects  23. Osteoarthritis  24. Iron deficiency anemia  25. Schizophrenia and other psychotic disorders |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 26. Nausea and vomiting  27. Essential hypertension  28. Medication side effects  29. Depression  30. Osteoarthritis  31. Diabetes mellitus and its complications  32. Iron deficiency anemia |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Clinical Pharmacologyclerkship period.

|  |  |
| --- | --- |
| **CLINICAL PHARMACOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1. To be able to prepare the drugs to be applied correctly  2. To be able to perform oral, rectal, vaginal and topical drug applications  3. To be able to reach current literature information and to read it critically  4. Ability to take psychiatric history  5. Consciousness assessment and mental state examination |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 6. General situation and evaluation of vital signs  7. To be able to take general and problematic stories  8. To be able to issue a recipe  9. Rational drug use  10. To be able to evaluate mental state |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Clinical Pharmacologyclerkship period

|  |  |
| --- | --- |
| **CLINICAL PHARMACOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | 2. Addiction  a. Alcohol  b. Tobacco  c. Matter  d. Behavioral addiction (gambling, shopping, technological, internet addiction)  e. Familial and social burden due to addiction |
|  |  |
|  | 3. Scientific research methods and ethics  e. Research ethics, violations and legal aspects |
|  |  |
|  | 8. Difficulties in physician-patient interaction  b. Overly demanding patient  d. Resistant patient  e. Failure (use of health service by acting as a patient to gain interest) |
|  | 11. Legal and ethical situations  a. Professional duties and obligations  g. Ethical situations in medical record, prescription and report writing |
|  | 12. Unemployment and poverty  c. Individual's psycho-social well-being |
|  | 23. Health practices require self-criticism  g. Extreme medical practices |
|  | 24. Health management  c.Health economy |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Clinical Pharmacologyclerkship

|  |
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| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **CLINICAL PHARMACOLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. |

Üstteki bölüme Ekleme-çıkarma yapabilirsiniz (Lütfen uyarıyı silmeyi unutmayınız)

### 4. CLINICAL PHARMACOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | | |
| **DAYS** | **TOPIC** | **HOURS** | | **LECTURER** |
| **Monday** | **1. Week** | | | |
| Information About Internship And Ethical And Professional Values in Clinical Practices | 08:00 - 09:50 | Assistant Professor Ufuk OKKAY | |
| Rational Use of Medicine and Prescription Knowlege | 10:00 - 11:50 | Assistant Professor Ufuk OKKAY | |
| K (personal) Drug Selection and Making a K Table | 13:00 - 14:50 | Assistant Professor Ufuk OKKAY | |
| Clinical Pharmacology | 15:00 - 16:50 | Assistant Professor Ufuk OKKAY | |
| **Tuesday** | Rational Use of Antibiotics | 08:00 - 11:50 | Proff. Zekai HALICI | |
| Autonomic Nervous System Pharmacology | 13:00 - 16:50 | Proff. Ahmet HACIMÜFTÜOĞLU | |
| **Wednesday** | Prescribing Practices of Common Diseases in the Field | 08:00 - 11:50 |  | |
| Elective / Freelance Work | 13:00 - 16:50 |  | |
| **Thursday** | Nausea - Vomiting Treatment (Case-based learning session) | 08:00 - 11:50 | Proff. Elif ÇADIRCI | |
| Osteoarthritis Treatment (Case-based learning session) | 13:00 - 16:50 | Proff. Abdulmecit ALBAYRAK | |
| **Friday** | Diabetes Mellistus Treatment (Case-based learning session) | 08:00 - 11:50 | Proff. Erol AKPINAR | |
| Major Depression Treatments (Case-based learning session) | 13:00 - 16:50 | Assistant Professor Ufuk OKKAY | |
| **Monday** | **2. Week** | | | |
| Acute Tonsillitis Treatment (Case-based learning session) | 08:00 - 11:50 | Proff. Ahmet HACIMÜFTÜOĞLU | |
| Anemia Treatment (Case-based learning session) | 13:00 - 16:50 | Proff. Elif ÇADIRCI | |
| **Tuesday** | Peptic Ulcer Treatment (Case-based learning session) | 08:00 - 11:50 | Proff. Abdulmecit ALBAYRAK | |
| Sinusitis Treatment (Case-based learning session) | 13:00 - 16:50 | Proff. Zekai HALICI | |
| **Wednesday** | Pychosis Treatment (Case-based learning session) | 08:00 - 11:50 | Proff. Ahmet HACIMÜFTÜOĞLU | |
| Hypertansion Treatment (Case-based learning session) | 13:00 - 16:50 | Proff. Erol AKPINAR | |
| **Thursday** | Prescribing Practices of Common Diseases in the Field | 08:00 - 11:50 |  | |
| Elective / Freelance Work | 13:00 - 16:50 |  | |
| **Friday** | Oral Examination | 08:00 - 12:00 |  | |
| Written Examination | 13:00 - 15:00 |  | |
| Intership Feedback | 15:00 - 17:00 | Head of Internship | |

### 5. MATCHING CLINICAL PHARMACOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING CLINICAL PHARMACOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| **CP001** | Information About Internship and Ethical and Professional Values in Clinical Practices | Dr. Öğretim Üyesi Ufuk Okkay | 2 |  | 17, 18, 19, 20, 21 | 4 | 1, 2, 3, 6, 7, 8, 9 | 3e, 8b, 8d, 8e, 11.a, 11g, 24c |
| **CP002** | Rational Drug Use and Prescription Information | Dr. Öğretim Üyesi Ufuk Okkay | 2 |  | 17, 18, 19, 2, 21 | 4 | 1, 2, 3, 6, 7, 8, 9 | 11a, 11g, 23g, 24c |
| **CP003** | K (personal) Drug selection and K table construction | Dr. Öğretim Üyesi Duygu Köse | 2 |  | 17, 18, 19, 2, 21 | 4 | 1, 2, 3, 6, 7, 8, 9 | 11a, 11g, 23g, 24c |
| **CP004** | Clinical Pharmacology | Dr. Öğretim Üyesi Duygu Köse | 2 |  | 17, 18, 19, 2, 21 | 4 | 1, 2, 3, 6, 7, 8, 9 | 11a, 11g, 23g, 24c |
| **CP005** | Rational Antibiotic Use | Prof.Dr. Zekai Halıcı | 4 |  | 17, 18, 19, 2, 21 | 4, 10 | 1, 6, 7, 8, 9 | 23g, 24c |
| **CP006** | Autonomic Nervous System Pharmacology | Prof.Dr. Ahmet Hacımüftüoğlu | 4 |  | 2, 5 | 4 | 1, 6, 7, 8, 9 |  |
| **CP007** | Nausea-Vomiting Treatment (Case-based learning session) | Prof.Dr. Elif Çadırcı | 4 |  | 3 | 2 | 1, 6, 7, 8, 9 |  |
| **CP008** | Treatment of Osteoarthritis (Case-based learning session) | Prof.Dr. Abdülmecit Albayrak | 4 |  | 4, 12 | 11 | 1, 6, 7, 8, 9 |  |
| **CP009** | Diabetes Mellitus Treatment and Complications (Case-based learning session) | Doç.Dr. Erol Akpınar | 4 |  | 9, 10, 20 | 5 | 1, 6, 7, 8, 9 |  |
| **CP 10** | Major depression  (Case-based learning session) | Dr. Öğretim Üyesi Ufuk Okkay | 4 |  | 5, 6, 14, 15, 22, 23, 24, 25 | 9 | 1, 4, 5, 6, 7, 8, 9, 10 | 2a, 2b, 2c, 2d, 2e, 12c |
| **CP011** | Acute Tonsillitis Treatment (Case-based learning session) | Dr. Öğretim Üyesi Duygu Köse | 4 |  | 1, 2, 6, 11 | 10 | 1, 6, 7, 8, 9 |  |
| **CP012** | Anemia Treatment (Case-based learning session) | Prof.Dr. Elif Çadırcı | 4 |  | 2, 6, 32, 33 | 6 | 1, 6, 7, 8, 9 |  |
| **CP013** | Peptic Ulcer Treatment (Case-based learning session) | Prof.Dr. Abdülmecit Albayrak | 4 |  | 3, 7, 15 | 2 | 1, 6, 7, 8, 9 |  |
| **CP014** | Sinusitis Treatment (Case-based learning session) | Prof.Dr. Dr. Zekai Halıcı | 4 |  | 1, 2, 13, 16 | 10 | 1, 6, 7, 8, 9 |  |
| **CP015** | Psychosis Treatment (Case-based learning session) | Prof.Dr. Ahmet Hacımüftüoğlu | 4 |  | 5, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 | 1 | 1, 4, 5, 6, 7, 8, 9, 10 | 2a, 2b, 2c, 2d, 2e, 12c |
| **CP016** | Hypertension Treatment (Case-based learning session) | Doç.Dr. Erol Akpınar | 4 |  | 2, 6, 8 | 3 | 1, 6, 7, 8, 9 |  |
| **CP17** | Feedback meeting after clerkship | Head of Clerkship | 2 |  |  |  |  |  |

### 6. LEARNING METHODS OF CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive lecture / classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities carried out with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * Independent learning * Multidisciplinary laboratory practices * Project / research based learningCommunity based learning activities (observing healt risks in the service provision in primary health care instutions, home, visits, etc) |
| **Learning Methods Related with Medical practices:** |
| * Multidisciplinary laboratory practices * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Professionalism** |
| * Interdisciplinary learning activities (meetings, panels, forums, group discussions) * Critical situation discussions * Gamification, psychodrama * Written visual text / readings, interpretations |

### 7. “STUDENT TRAINEE REPORT” FOR CLINICAL PHARMACOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
|  | | | |
| **A. To organize a recipe** | **4** | **5** |  |
| **B. Rational drug selection** | **4** | **5** |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)** | | |  |
| **Adaptation to team work** | | |  |
| **Compliance with internship rules** | | |  |
| **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN CLINICAL PHARMACOLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN CLINICAL PHARMACOLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is carried out in the form of direct observation and evaluation of the construction of the personal medicine table. Contribution to practice-oral exam at the end of the internship (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 50 multiple choice and 10 written questions. * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V - PULMONARY DISEASES TRAINEE PROGRAM |

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| **Code of Trainee** | MED504 |  | **Type of Trainee** | Compulsory |
| **Trainee Duration** | Three weeks |  | **ECTS** | 5 |

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| **YEAR V- PULMONARY DISEASE PRACTICE PRE-CONDITIONS** | |
| **1** | Having taken pre-clinical courses |
| **2** | Having taken the courses in the relevant board(s) in year 3 |

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| **RESOURCES (COURSE BOOK-AUXILIARY RESOURCES)** | |
| **1** | Orhan Arseven, Basic Lung Health and Diseases |
| **2** | Richard A. Bordow, Manual of Clinical Problems in Pulmonary Medicine |
| **3** |  |

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| **RULES THAT MUST BE FOLLOWED BY THE TRAINEES** | |
| **1** | Training hours are between 8.00 AM and 5.00 PM in weekdays |
| **2** | Students require to attend trainee program and exams in a clean and well-groomed manner, wearing white gowns and badges. |
| **3** | The first lecture includes introduction of the program. The instructor in charge of the program informs the students about the purpose of the program, learning objectives, scope (symptoms / findings, core diseases/clinical problems, basic medical practices, attitudes and behaviors), the curriculum, assessment-evaluation methods and the rules to be followed in the program. |
| **4** | Trainees must keep the records of knowledge, skills and attitudes of the trainee prepared in accordance with the objectives and qualifications of the trainee program and approve the trainee manager and deliver them to the Department for the purpose of evaluation at the end of the program. |
| **5** | Students should attend the main scientific events organized by the Pulmonary Disease Department. |
| **6** | **In order to be successful at the end of the program**; trainee students requires a score at least 60 from each exams (including practice/oral exam and written exam) The necessary conditions for the success of the exam are stated in the “Atatürk University Faculty of Medicine Teaching and Exam Application Principles” . |
| **7** | At the end of the program, feedback will be received from all students verbally and written. Verbal feedback is given to the department; but written feedback will be made on following web address " http://anket.atauni.edu.tr ". The link for participation in the survey will be sent to the students by the Dean's Office. |

### 1 . PULMONARY DISEASES TRAINEE CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| **THE AIM OF PULMONARY DISEASES TRAINEE PROGRAM** | |
|  | To be able to make a pre-diagnosis / diagnosis by evaluating the anatomy, physiological characteristics of the respiratory system, the symptoms and signs of the diseases that affect them |
|  | To be able to define emergencies for chest diseases and make their emergency treatment |
|  | To create and apply a treatment plan in clinical situations required within the scope of education level criteria |
|  | To be able to provide referral in necessary cases after emergency intervention and treatment |
|  | To be able to demonstrate protective and rehabilitative approaches in respiratory system diseases |
|  | To gain knowledge, skills and professionalism characteristics determined for the program. |

### 2 . PULMONARY DISEASES TRAINEE - LEARNING OUTCOMES

Levels of Contribution to Atatürk University Faculty of Medicine Undergraduate Medical Education Program Qualifications

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| Contribution levels | 4 | 5 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 1 | 3 |
| Program Qualifications | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| Contribution levelsvbc | 3 | 4 | 3 | 3 | 3 | 1 | 4 | 5 | 4 | 4 | 4 | 4 |  |  |  |  |  |  |  |  |

***Contribution Level:****1 Very low 2 Low 3 Medium 4 High 5 Very high*

### 3. LEARNING OBJECTIVES OF THE PULMONARY DISEASES TRAINEE PROGRAM

**A. Common presentations:**Year V-Pulmonary Diseases Trainee Program in which given the list below symptoms/clinical conditions, forensic/psychosocial conditions, wellness situation and environmental/global competencies related to global conditions are expected to be recovered.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PULMONARY DISEASES TRAINEE PROGRAM *SYMPTOMS/FINDINGS*LIST** | | | | | |
| 1 | Apnea | 9. | Hemoptysis \* | 17. | Edema\* |
| 2 | Fever\* | 10. | Wheezing (wheezing ) \* | 18. | Cough / sputum production \* |
| 3 | Palpitation\* | 11. | Hypotension\* | 19. | Syncope \* |
| 4 | Clubbing | 12. | Hypothermia / hyperthermia | 20. | Hoarseness \* |
| 5 | Dyspnea \* | 13. | Snore | 21. | Cyanosis |
| 6 | Chest pain \* | 14. | Immobilization | 22. | Tobacco use |
| 7 | Chest wall anomalies | 15. | Weight loss | 23. | Sleep problems \* |
| 8 | Asthenia / fatigue \* | 16. | Lymphadenopathy \* | 24. | (Left/Right) sided chest pain \* |

**B. Gaining Knowledge:**During the Year V-Pulmonary Diseases Trainee Program, it is expected to ***have***knowledge at ***the levels specified in***the **"Diseases / Clinical Problems "**listed below .

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| --- | --- |
| **LEARNING LEVELS OF *CLINICAL PROBLEM*DURING THE PULMONARY DISEASES TRAINEE PROGRAM** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In clinical problems specified in the adjacent column ; **They should be able to define the emergency (A) and make the emergency treatment, and refer them to a specialist when necessary** | 1. Acid-Base Balance Disorders 2. Asthma 3. COPD 4. Pulmonary Embolism 5. Respiratory Failure 6. ARDS |
|  |  |
| In clinical problems specified in the adjacent column ; **He / she should be able to make the necessary preliminary procedures and refer them to the specialist** | 1. Lung tumors  2. Bronchiectasis Abscess  3. Interstitial Lung Diseases  4- Hydatid Disease (Parasitic Lung Diseases )  5. Occupational Lung Diseases  6.Pleural Diseases  7.Pulmonary Hypertension  8.Sleep Apnea Syndrome |
|  |  |
| In clinical problems specified in the adjacent column ; **He / she should be able to diagnose (T) and have knowledge about treatment, make the necessary preliminary procedures and direct them to the specialist** |  |
|  |  |
| In clinical problems specified in the adjacent column; **It should be able to diagnose and treat (TT)** | 1. Pulmonary Tuberculosis 2. Asthma 3. COPD 4. Pneumonic on |
|  |  |
| In clinical problems specified in the adjacent column; **Must be able to apply protection measures (K) (which is / are suitable from primary, secondary and tertiary protection)** | 1. Lung Tumors 2. Pulmonary Tuberculosis 3. Asthma 4. Bronchiectasis and Abscess 5. COPD 6. Occupational Lung Diseases 7. Pneumonic on 8. Pulmonary Embolism |
| The problems in the adjacent column should be able to monitor the necessary cases (I) | 1. Pulmonary tuberculosis 2. Asthma 3. Bronchiectasis and Abscess 4. COPD 5. Occupational Lung Diseases 6. Pulmonary Embolism |

**C. Skills:**During year V-Pulmonary Diseases Trainee Program, it is expected to acquire the capability to implement on given the list below **"Basic medicine practices” in** the ***designated level.***

|  |  |
| --- | --- |
| **LEARNING LEVEL *OF BASIC*MEDICAL PRACTICES DURING THE PULMONARY DISEASES TRAINEE PROGRAM** | |
| **LEARNING LEVEL** | **BASIC MEDICAL PRACTICES DURING THE PULMONARY DISEASES TRAINEE PROGRAM** |
| In the skills specified in the adjacent column; Knows how the application is done and explains the results to the patients and / or their relatives **(Learning Level 1 )** | 1. Bronchoscopy |
|  |  |
| In the skills specified in the adjacent column ; In an emergency, he / she applies in accordance with the guide / instruction **( Learning Level 2 )**. | 1. Pleural puncture (Thoracentesis) 2. To be able to perform respiratory function test |
| The skills specified in the adjacent column; **uncomplicated**, common, cases / preliminary assessment of cases / assessment is done, you will create the necessary plans and patients to inform their relatives and makes the application  **( Learning Level 3 )**. | 1. Arterial Blood gas interpretation 2. Taking arterial blood gas 3. To be able to deliver oxygen and nebulizer and inhaler therapy 4. Ability to apply and evaluate pulse oximetry 5. To be able to apply and evaluate the PPD test |
| The skills specified in the adjacent column; Makes the preliminary assessment / evaluation of the application including **complex situations**/ cases, creates the necessary plans, informs the patients and their relatives and makes the application **(Learning Level 4 )**. | 1. Taking general and problem-oriented stories 2. Respiratory system examination 3. Writing a prescription 4. Preparing a patient file 5. Using and evaluating the peak-flow meter 6. Interpreting chest x-ray |

**D. In terms of Behavioral and Social Sciences and Humanities:**During year V-Pulmonary Diseases Trainee Program, on given the list below covering **"Behavioral and Social Sciences and Humanities", h**avingsensibility, knowledge and skills is expected.

|  |  |  |
| --- | --- | --- |
| |  | | --- | | **Pulmonary Diseases Trainee Program Behavioral, Social and Human Sciences Situations List** | | |
| 2. Addiction | b . Tobacco |
| 3. Scientific research methods and ethics | b . Evidence-based medicine practices |
| 4. Work and health interaction | a . Occupational diseases |
| 5. Environment and health interaction | d . Environmental diseases  e . Exposure to harmful environmental factors (air pollution, chemicals, etc.)  k . Fight against communicable diseases in the community |
| 8.Difficulties in physician-patient interaction | a . Non-compliance / rejection of preventive and therapeutic practices (e.g. vaccine instability)  b . The extremely demanding patient  c . Manipulative patient  d . Resistant patient  e . Malingering (using healthcare by pretending to be a patient to gain benefit)  g. Somatization / somatic symptoms triggered by psycho- social factors  i . Challenges with intercultural communication |
| 9. Physician's well-being | d . Sense of belonging  e . Durability  f . Physical and mental health |
| 10. Legal and  ethical situations | a . Professional duties and obligations  e . Informed consent and specific cases  b . Patient rights and responsibilities  c . Physician rights and responsibilities |

**E . In terms of Professionalism :**During year V-Pulmonary Diseases Trainee Program, acquisition of the list given below is expected.

|  |
| --- |
| ***THE*ATTITUDES TO BE ACHIEVED IN TERMS OF *PROFESSIONALITY*DURING *THE*PULMONARY DISEASES TRAINEE PROGRAM** |
| 1. Holistic approach to health ( bio - psycho - social and cultural approach), patient - centered approach , community oriented medicine . 2. Rights based health approach. 3. Communication skills, communication in difficult situations, interpersonal relationships and teamwork. 4. Medicine and history of thought / values, physician identity and consciousness, medical roles and limits. 5. Medical ethics, ethical and professional values ​​and responsibilities; human, social and cultural values ​​and responsibilities. 6. Patient rights, physician responsivility, patient - physician relationship. 7. Professional / ethical problems and dilemmas in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, health inequality, gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous personal and professional development, education and consultancy. 14. A culture of working in coordination with healthcare professionals, other members of the team and disciplines ̈ 15. To be able to share knowledge and professional experience with other members of the team , |

### 4. PULMONARY DISEASES TRAINEE - WEEKLY COURSE PROGRAM

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| **PULMONARY DISEASES TRAINEE - WEEKLY COURSE PROGRAM** | | | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** | | |
| **Monday** | **1. Week** | | | | |
| Informing about internship and Ethical and Professional Values in Clinical Practice  Normal Lung Radiography  Case-Based Learning (CBL) Session 1 | 09:00-10:00  13:30-15:30  15.30-16.30 | Proff. Ömer ARAZ | | |
| **Tuesday** | Visit  Pulmonary Function Test  Pathological Lung Graphs  Arterial Blood Gas | 09:00-10:00  10:00-12:00  13:30-14:30  14:30-16:30 | Proff. Metin AKGUN  Proff. Ömer ARAZ  Proff. Leyla SAĞLAM | | |
| **Wednesday** | VISIT  sleep-disordered breathing  Seminar  COPD | 09:00-10:00  10:00-12:00  12.30-13.30  13:30-16:30 | Proff. Ömer ARAZ  Proff. Metin AKGÜN | | |
| **Thursday** | Vısıt  Tuberculosis-I  Occupational Lung Diseases | 09:00-10:00  10:00-12:00  13:30-16:30 | Asst.Prof. Bugra KERGET  Proff. Metin AKGUN | | |
| **Friday** | Visit  Tuberculosis- II  thoracic council  Pleural Diseases | 09:00-10:00  10.00-11.00  12.30-13.30  13:30-16:30 | Asst.Prof.  Bugra KERGET    Proff. Ömer ARAZ | | |
| **Monday** | **2. Week** | | | | |
| Visit  Community Acquired Pnomonia  Chest Diseases Emergencies  Case-Based Learning (CBL) Session 2 | 09:00-10:00  10:00-12:00  13:30-15:30  15:30-16:30 | Asst.Prof.Buğra KERGET  Proff. Elif Y.UÇAR | |
| **Tuesday** | Visit  Pulmonary Hypertension  Lung Tumors | 09:00-10:00  10:00-12:00  13:30-16:30 | Proff. Elif Y.UÇAR  Proff. Leyla SAĞLAM | |
| **Wednesday** | VISIT  Parasitic Lung Diseases  Seminar Pulmonary Thromboembolism | 09:00-10:00  10:00-12:00  12.30-13.30  13:30-17:00 | Proff. Mehmet MERAL  Proff. Elif Y.UÇAR | |
| **Thursday** | Vısıt  ARDS  Practice | 09:00-10:00  10:00-12:00  13:30-16:30 | Asst.Prof.Bugra KERGET | |
| **Friday** | Visit  Lung Abscess and Bronchiectasis  thoracic council  Asthma | 09:00-10:00  10:00-12:00  12.30-13.30  13:30-16:30 | Proff. Mehmet MERAL  Proff. Elif Y. UÇAR | |
| **Monday** | **3. Week** | | | |
| Visit  Case-Based Learning (CBL) Session 1  Occupational Lung Diseases | 09:00-10:00 10:00-12:00  13.30-16:30 | Proff. Metin AKGÜN |
| **Tuesday** | Visit  mediastinal diseases  Diffuse Parenchymal Lung Diseases and Sarcoidosis | 09:00-10:00  10:00-12:00  13:30-16:30 | Proff. Mehmet MERAL  Proff. Metin AKGÜN |
| **Wednesday** | Visit  Acute Respiratory Failure  Seminar  Smoking and Lung | 09:00-10:00  10:00-12:00  12.30-13.30  13:30-16:30 | Proff. Mehmet MERAL  Proff. Leyla SAĞLAM |
| **Thursday** | Practical exam |  |  |
| **Friday** | Oral and written exam |  |  |

### 5. MATCHING PULMONARY DISEASES TRAINEE COURSES WITH LEARNING OBJECTIVES

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| **PULMONARY DISEASES TRAINEE PROGRAM LEARNING OBJECTIVES PAIRING** | | | | | | | |
| Lesson code | The subject of the lecture | Faculty | Theoretical Hours | Practical Hours | Core Diseases / Clinical problem | Clinical Symptom / Finding / Condition | Basic Medical Practices |
| GH 1 | Lung Tumors | Prof. Dr. Leyla SAĞLAM | 2 |  | PreD, C | 33, 44, 48, 52, 83,  92, 105, 122, 132, 7 | A1, B21, C7, D4 |
| GH 2 | Arterial Blood Gas Assessment (Acid-Base Balance Disorders) | Prof. Dr. Leyla SAĞLAM | 2 |  | E | 25, 33, 48, 57, 102, 123, 34 | A1, B21, C7, D10, E6 |
| GH 3 | Tobacco Use and Lung | Prof. Dr. Leyla SAĞLAM | 2 |  | C | 25, 33, 48, 60, 83, 105,  122, 132, 7, 155, 200 | A1, B21, C7, C9, D4 |
| GH 4 | Bronchiectasis and Lung Abscess | Prof. Dr. Mehmet MERAL | 2 | - | Pre-D, C, F | 11, 27, 33, 48, 52, 54, 83,  105.123 | A1, B21, C5, C7, C9, D4, D10, D18,  E6, E21, E40, E50, E57, E61 |
| GH 5 | Hydatid Cyst and Parasitic Lung Diseases | Prof.Dr. Mehmet MERAL | 1 | - | Pre-D, C | 33, 44, 48, 83, 105, 123 | A1, B21, C5, C7, C9, D4, D18, E21, E55 |
| GH 6 | Respiratory Failure | Prof. Dr. Mehmet MERAL | 1 | - | E | 9, 25, 33, 54, 57, 121, 123 | A1, B21, C5, C7, D4, E6, E35, E36,E40, E50, E57 |
| GH 7 | Pulmonary Embolism | Prof. Dr. Elif Y. UÇAR | 1 | - | E, C, F | 33, 44, 52, 121, 57 | A1, B9, B21, C7, C9, E50, E57 |
| GH 8 | Pulmonary Hypertension | Prof. Dr. Elif Y.UÇAR | 3 | - | Pre-D | 33, 44, 48 | A1, B13, B21, C7, D4, D5, E6, E57 |
| GH 8 | Asthma | Prof. Dr. Elif Y.UÇAR | 3 | - | D&T, E , C, F | 33, 54, 105 | A1, B21, C7, C9, D4, D12,  D6, E50, E57, E61 |
| GH 9 | Chest Diseases Emergencies / Poisoning / Foreign body aspiration | Prof. Dr. Elif Y.UÇAR | 3 | - | E , C | 44.33 , 15, 33, 123, 33, 123 | A1, B21, C7, D4, E32, E50, E57, A1, B21, C7, C9, D4,  E6, E22, E50, E57, A1, B21, C7, C9, D4, E6, E12, E50, E57 |
| GH 12 | Interstitial Lung Diseases | Prof. Dr. Metin AKGÜN | 1 | - | Pre-D, C | 27, 33, 105, 123 | A1, B21, C7, D4, E6, E61 |
| GH 13 | COPD | Prof. Dr. Metin AKGÜN | 3 | - | D&T, C, F | 30, 33, 48, 54,  105, 123, 132 | A1, B21, C7, C9, CD4, D46, E50, E57, E61 |
| GH 14 | Occupational Lung Diseases | Prof. Dr. Metin AKGÜN | 3 | - | PRE-D, C, F | 33.105 | A1, B21, C11, D4, E61, F9 |
| GH 15 | PFTS | Prof. Dr. Metin AKGÜN | 2 | 1 | Level 3 | 33.105 | E61, F9 |
| GH 16 | Pleural Diseases | Prof. Dr. Ömer ARAZ | 2 |  | Pre-Diagnosis | 33, 44, 105, 139 | A1, B21, C7, D4, E55, E56 |
| GH 17 | Sleep Apnea Syndrome | Prof. Dr. Ömer ARAZ | 3 |  | Pre-Diagnosis | 9, 48, 60, 133 | A1 B21 |
| GH 18 | Chest X-ray Evaluation | Prof. Dr. Ömer ARAZ | 3 | 1 | Level 3 | 11, 27, 33, 44,  45, 52, 83, 92,  102, 105, 121, 122, 139 | A1, D4 |
| GH 19 | Pneumonias | Assist.Prof. Buğra KERGET | 2 | - |  | 11, 25, 44, 33, 54, 48, 105 | A4, B21, C5, C7, C9, D2, D4, D10, D18  E6, E29, E50, E57 |
| GH 20 | ARDS | Assist.Prof. Buğra KERGET | 2 | - |  | 33, 44, 54, 105, 123 | A4, B21, D4, E6, E36, E40, E50, E57 |
| GH 20 | Pulmonary Tuberculosis | Assist.Prof. Buğra KERGET | 3 | - | D&T, C, F | 11, 48, 52, 83, 92 | A1, C7, C11, D2, D4, D10, D18, E29, E56 |

### 6 . LEARNING METHODS OF PULMONARY DISEASES TRAINEE PROGRAM

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| **YEAR V - PULMONARY DISEASES TRAINEE PROGRAM LEARNING METHODS** |
| **Information for training :** |
| * Structured learning activities carried out in clinical skills laboratories and simulated patient centers * Multidisciplinary laboratory practices * Bedside trainings, visits , structured focused patient visit ; service and polyclinic experiences * Community-based learning activities (Observing health risks in the workplace and schools, evaluating the services provided, service delivery in primary health care institutions, home visits, etc. ) * In charge learning and assessment * Structured case discussion |
| **Training for medical practice** |
| * Class lecture / presentation: Lecture, instructor presentation, interactive lecture / classroom lectures * Interdisciplinary learning events (meetings, panels, group discussions) * Case / problem-based interactive learning activities carried out with small groups (problem-based learning, case discussion, clinical tutorials, etc. ) * Independent learning * Multidisciplinary laboratory applications, anatomy laboratory applications * Project / research based learning |
| **Professionalism for education** |
| * Interdisciplinary learning events (meetings, panels, forums, group discussions) * Critical case discussions * Reflection sessions * Gamification, psychodrama * Written visual text / work readings, interpretations * Student development file (portfolio) application * In charge learning and assessment (MiniPET ) |

### 7. “STUDENT TRAINEE REPORT” FOR PULMONARY DISEASES TRAINEE CLERKSHIP

**“Atatürk University Faculty of Medicine Trainee Competence Report” is filled** in accordance with the educational goals and levels. Trainee students are expected their report filled and approved when they do their practice and deliver it on the last day to the responsible Faculty.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE**  **YEAR V - PULMONARY DISEASES TRAINEE PROGRAM COMPETENCE REPORT** | | | |
| **NAME AND SURNAME:**  **Number:**  **Date :** | | | |
| **I- Basic Medical Practices** | **Learning Level i \*\*** | **Number** | **Internship Supervisor Approval (Date)** |
| **Patient File number:** |  |  |  |
| **A. Obtaining History** |  | | |
| Ability to take general and problem- oriented stories | **4** | **3** |  |
| **B. General and Problem- Oriented Physical Examination** | | | |
| Respiratory system examination | **4** | 3 |  |
| **C. Record Keeping, Reporting and Notification** | | | |
| Write a prescription | **4** | 10 |  |
| Preparing a patient file | **4** | 3 |  |
| **D. Laboratory Tests and Other Related Operations** | | | |
| Using and evaluating the peak-flow meter | **4** | 3 |  |
| Interpreting lung film | **4** | 3 |  |
| Interpreting arterial blood gas | **3** | 3 |  |
| **E. Interventional and Non- Interventional Practices** | | | |
| Bronchoscopy | **1** | 3 |  |
| Pleural puncture / thoracentesis ability | **2** | 1 |  |
| To be able to perform respiratory function test | **2** | 3 |  |
| Taking arterial blood gas | **3** | 1 |  |
| To be able to apply oxygen and nebulizer& inhaler therapy | **3** | 3 |  |
| Ability to apply and evaluate pulse oximetry | **3** | 10 |  |
| To be able to apply and evaluate the PPD test | **3** | 2 |  |
| **II- Clinical Problem Solving (case-based and sessions-Performance** | | | |
| **Total Basic Medicine Practices score (out of 10 points)** | | |  |
| **III Impression of trainee- Medicine related professionalism (Evaluated by all the Faculties )** | | | |
| Compliance with the program rules | | |  |
| Compliance to teamwork | | |  |
| **Total Professionalism score (out of 10 points)** | | |  |
| **TRAINEE TOTAL SCORE (out of 20 points)** | | |  |
| Responsible Faculty  Date and Signature | Head of the Department  Date and Signature | | |

**\* TTA:** Teaching Staff at accompaniment

\*\* Learning Levels

|  |  |
| --- | --- |
| **Learning Level** | **Explanation** |
| **1** | Knows how the application is done and explains the results to patients and / or their relatives . |
| **1** | In an emergency, he / she applies in accordance with the guide / instruction . |
| **3** | The complex not frequently seen , cases / cases it makes application \*. |
| **4** | Makes the application \* including complex situations / facts . |
| **\***Makes the pre- evaluation / evaluation , creates and implements the necessary plans and informs the patients and their relatives / society about the process and its results . | |

### 8. ASSESSMENT AND EVALUATION METHODS IN PULMONARY DISEASES TRAINEE CLERKSHIP

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| **PULMONARY DISEASES TRAINEE PROGRAM MEASUREMENT AND EVALUATION METHODS** |
| **PRACTICAL-ORAL EXAM AT THE END OF THE INTERNSHIP** |
| * **Trainee report card :**Total contribution to practical-oral exam at the end of the internship ( 15 % )   ⮚**Basic Medical Practices**(5% )  ⮚**Features of Professionalism Suitable for Medicine : It**is evaluated by faculty members . In the assessment, trainee physicians Internship rules and to work in team harmony u and full attendance of the eye are taken into. Contribution to practical-oral exam at the end of the internship ( 5 % )  ⮚**Clinical Problem Solving: It**is given according to the performance shown in case -based learning sessions. (5%)   * **Practice Exams :**Practice directed / entrepreneurial skills direct observation and evaluation form is done. Contribution to practical-oral exam at the end of the internship ( 15 % ) * **The refreshingly frank ̈ internship exam I :**Structured oral exam (structured questions and evaluating clinical information based on patients evaluating the clinical decision-making questions) form is done. Contribution to practical-oral exam at the end of the internship ( 70 % ) * Trainee report of the assessment taken practical-oral exam 100 points out of the total grade Students who score below 60, considered to have failed * Students who fail the practical-oral exam take the make-up exam of the internship . * Students who fail the practical-oral exam cannot take the theoretical (written-multiple choice) exam. |
| **THEORETICAL EXAM AT THE END OF THE TRAINEE PROGRAM** |
| * It consists of 20 or 25 multiple choice questions in total . Up to five classic questions can be asked. * Clinical information assessing multiple -choice questions and clinical decision making in assessing patients ayala of multiple -choice questions as done . * Students who score less than 60 out of 100 points in the theoretical (written-multiple choice) exam are considered unsuccessful. * Students who fail the theoretical (written-multiple choice) exam take the make-up exam of the internship. |
| **CALCULATION OF THE TRAINEE SUCCESS** |
| * Internship success grade is calculated by taking the average of the scores from the Practical-Oral and Theoretical ( written - multiple choice) exam. |
| **MAKE-UP EXAM** |
| * If a student who fails or fails the practical-oral or theoretical (written-multiple-choice) exam does not take the make-up exams at the end of the trainee program or fails the exam, he / she is deemed unsuccessful in that internship and repeats that program. |

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| SESSION V CARDIOLOGY CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED507 |  | **Type** | Compulsory |
| **Period** | 4 weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **CARDIOLOGY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
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| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Manuel of Cardiovascular Medicine. Brian P. Griffin (Editor); Lippincott Williams & Wilkins. |
| **2.** | UpToDate (http://www.uptodate.com). |
| **3.** | Lecturer's Notes. |

|  |  |
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| **CARDIOLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. CARDIOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE CARDIOLOGY CLERKSHIP PROGRAM** | |
| All students who are trained in cardiology internship can have all of the following qualifications; | |
|  | Taking medical history and suitable physical examination for the diagnosis of heart diseases, |
|  | Diagnosing heart diseases using electrocardiogram, chest x-ray and biochemical tests and applying suitable intervention and treatments, |
|  | Diagnosing coronary artery disease, or transfer to top institutions of patients with cardiovascular risk factors for advanced examination and treatment |
|  | Diagnosing acute coronary syndrome and management of this condition, |
|  | Recognizing acute pulmonary edema which is one of the cardiac emergencies and fulfilling the basic elements in emergency treatment, |
|  | Fulfilling basic elements about common cardiac arryhtmias, especially life-threatening arrhytmias, |
|  | Basic electrocardiogram interpretation, |
|  | Diagnosing heart failure, diferrantial diagnosis of dispneae and treatment of these conditions, |
|  | Having adequate information about pathophysiology, symptoms and physical examination of valvular heart diseases; recommending advanced examination and treatment to patients with suspected valve disease, |
|  | Having basic information about patients with hypertension, treatment of patients with hypertension, choosing appropriate drugs for treatment and having adequate information about possible complications, |
|  | Adequate information about management of cardiopulmonary arrest and cardiopulmonary resuscitation, |
|  | Aproach to congenital heart diseases (i.e. symptoms, physical examination, diagnostic tests), |
|  | Making diferantial diagnosis of heart diseases like infective endocarditis and pericarditis and having adequate information about treatment and prevention of these diseases, |
|  | Choosing appropriate drugs that using in treatment of basic heart diseases and having information about side effect and contindications of these drugs, |
|  | Prescribing for basic heart diseases, |
|  | Drawing electrocardiography, interpreting electrocardiogram and using defibrillator. |

### 2. CARDIOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 2 | 1 | 5 | 5 |  | 5 | 4 | 2 | 1 | 5 | 3 | 2 | 1 | 4 | 2 | 1 | 3 | 1 | 3 | 3 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 3 | 4 | 3 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 5 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE CARDIOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the session VCardiology clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CARDIOLOGY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Fever | 10 | Chest Pain | 19 | Cladication intermittant |
| 2 | Dizziness | 11 | Weakness | 20 | Edema |
| 3 | Headache | 12 | Hemoptysis | 21 | Cough |
| 4 | Consciousness changes | 13 | Hepatomegaly | 22 | Syncope |
| 5 | Epistaxis | 14 | Hypertension | 23 | Cyanosis |
| 6 | Palpitation | 15 | Hypotension | 24 | Prevention of chronic diseases |
| 7 | Clubbing | 16 | Murmur in the heart | 25 | Healthy diet and lifestyle changes |
| 8 | Dyspnoea | 17 | Abdominal bloating | 26 | Problems with tobacco, drug and alcohol use |
| 9 | Joint Pain / Swelling | 18 | Weight loss |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Cardiology clerkship period.

|  |  |
| --- | --- |
| **CARDIOLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Pulmonary edema  2. Acute coronary syndromes  4. Aortic dissection  7. Essential hypertension  8. Drug side effects  10. Heart rhythm disorders  11. Heart failure  12. Cardio-pulmonary arrest  18. Peripheral artery disease  19. Pericardial diseases  20. Pulmonary embolism  23. Disorders of fluid and electrolyte balance  24. Shock  26. Poisoning |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 6. Endocarditis  9. Valvular heart disease  13. Congenital heart diseases  14. Chronic Coronary Artery disease  16. Myocarditis / cardiomyopathy  18. Peripheral artery disease  19. Pericardial diseases  21. Pulmonary hypertension  22. Secondary hypertension  25. Vasovagal syncope |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 2. Acute coronary syndromes  3. Acute rheumatic fever  8. Drug side effects  10. Heart rhythm disorders  11. Heart failure  15. Metabolic syndrome  17. Obesity  20. Pulmonary embolism  23. Disorders of fluid and electrolyte balance |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 5. Dyslipidemia  7. Essential hypertension |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 2. Acute coronary syndromes  3. Acute rheumatic fever  5. Dyslipidemia  6. Endocarditis  7. Essential hypertension  8. Drug side effects  9. Valvular heart disease  11. Heart failure  14. Chronic Coronary Artery disease  15. Metabolic syndrome  17. Obesity  20. Pulmonary embolism  23. Disorders of fluid and electrolyte balance  25. Vasovagal syncope  26. Poisoning |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 5. Dyslipidemia  7. Essential hypertension  8. Drug side effects  10. Heart rhythm disorders  11. Heart failure  14. Chronic Coronary Artery disease  15. Metabolic syndrome  17. Obesity  20. Pulmonary embolism |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Cardiology clerkship period.

|  |  |
| --- | --- |
| **CARDIOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. Performing pericardiocentesis 2. Acoompanying echocardiography application 3. Acoompanying exercise stress test 4. Participating in diagnostic and interventional procedures in the cardiac catheterization laboratory |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | ----------- |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1. Evaluating mental state 2. To be able to evaluate chest x-ray 3. Taking electrocardiography and evaluating electrocardiogram 4. Airway plugging 5. Be able to intubate 6. Advanced life support 7. Preparing medicine properly 8. Identify people at risk 9. Accesing current information and reading it critically 10. Applying principles of evidence-based medicine while making clinical decision |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 1. To be able to take general and problematic medical history 2. Evaluating consciousness 3. Evaluating general state and vital findings 4. Examination of cardiovascular system 5. Examination of respiratory system 6. Information and getting consent 7. Preparing epicrisis 8. Preparing patient file 9. Prescribing 10. Preparing treatment refusal document 11. Providing decontamination, disinfection, sterilization and antisepsis 12. Creating a laboratory request form 13. Taking and transferring laboratory samples properly 14. Fullfiling rational drug use principles 15. Requesting proper laboratory and imaging methods 16. Using baloon mask (bag) 17. Be able to apply defibrillation 18. Washing hands 19. Transferring patients properly 20. Measuring blood pressure 21. To be able to apply oxygen and nebul-inhaler therapy 22. Applying pulse oximeter and evaluating results 23. Applying basic life support 24. Exercise and physical activity 25. Healthy nutrition |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Cardiology clerkship period

|  |  |
| --- | --- |
| **CARDIOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **2.Abuse**   1. Alcohol 2. Tobacco 3. Drugs |
|  |  |
|  | **5. Environment and health interaction**   1. Healthy nutrition and food strategies |
|  |  |
|  | **14. Chronic/non-communicable diseases**   1. Monitoring and prevention of risk factors 2. Management 3. Multimorbidity |
|  |  |
|  | **25. Health conditions**   1. Nutrition 2. Physical, mental activity and exercise 3. Sedentary life |
|  |  |
|  | **29. Technology and health interaction**   1. Artificial intelligence 2. Current diagnostic and treatment tools 3. Technological communication tools and channels 4. Management of media and excessive information 5. Use of advanced technology and ethical issues |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Cardiology clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **CARDIOLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. CARDIOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

|  |
| --- |
| **SESSION V CARDIOLOGY CLERKSHIP-** **WEEKLY COURSE PROGRAM** |

| **Days** | **Hour** | **Activity** | **Subject** | **Teaching Staff** |
| --- | --- | --- | --- | --- |
| **1. Week** | | | | |
| **1. Days** | 08:00-09:20 | Practical education |  | Asst.Prof.O. Birdal |
| 09:30-10:20 | Theoretical course | Cardıac Anamnesis | Proff. H. Şenocak |
| 10:30-12:00 | Theoretical course | Physıcal Examınatıon | Proff. H. Şenocak |
| 13:30-14:20 | Theoretical course | Acute Heart Failure | Proff. S. Sevimli |
| 14:30-15:20 | Theoretical course | Congenital Heart Disease | Proff. S. Sevimli |
| 15:20-17:00 | Free practical education | | |
| **2. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Stable Coronary Heart Disease-Diagnosis | Proff. Ş. Karakkelleoğlu |
| 10:30-12:00 | Theoretical course | Stable Coronary Heart Disease-Treatment | Proff. Ş. Karakkelleoğlu |
|  | | | |
| 13:30-14:20 | Theoretical course | Basic Ecg | Assoc.Prof. G. Ceyhun |
| 14:30-15:20 | Theoretical course | Basic Ecg | Assoc.Prof. G. Ceyhun |
| 15:20-17:00 | Free practical education | | |
| **3. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Acute Coronary Syndrome-Diagnosis | Proff. H. Şenocak |
| 10:30-12:00 | Theoretical course | Acute Coronary Syndrome-Treatment | Proff. H. Şenocak |
| 13:30-14:20 | Theoretical course | Ecg Cases | Assoc.Prof. G. Ceyhun |
| 14:30-15:20 | Theoretical course | Ecg Cases | Assoc.Prof. G. Ceyhun |
| 15:20-17:00 | Free practical education | | |
| **4. Days** | 8:40-09:20 | Practical education | Internship Introduction |  |
| 09:30-10:20 | Theoretical course | Chronic Heart Failure | Proff. Ş. Karakkelleoğlu |
| 10:30-12:00 | Theoretical course | Chronic Heart Failure | Proff. Ş. Karakkelleoğlu |
| 13:30-14:20 | Theoretical course | Cardiac Anatomy And Phsiology | Asst.Prof.O. Birdal |
| 14:30-15:20 | Theoretical course | Myocardial Diseases | Proff. M. Hakan Taş |
| 15:20-17:00 | Practical education | Practical education | Lecturer |
| **5. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Practical education | Bedside Patient Examination | Assoc.Prof. Y.Koza |
| 10:30-12:00 | Theoretical course | Diagnostic Tools İn Cardiology | Assoc.Prof. G. Ceyhun |
| 13:30-14:20 | Theoretical course | Case-Based Learning (CBL) Session 1 | Lecturer |
| 14:30-15:20 | Theoretical course | Case-Based Learning (CBL) Session 1 | Lecturer |
| 15:20-17:00 | Practical education |  | Lecturer |
| **2. Week** | | | | |
| **6. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Supraventricular Arhythmias | Proff. S.Sevimli |
| 10:30-12:00 | Theoretical course | Supraventricular Arhythmias | Proff. S.Sevimli |
| 13:30-14:20 | Theoretical course | Ventricular Arhythmias | Asst.Prof.O. Birdal |
| 14:30-15:20 | Theoretical course | Pulmonary Hypertension | Asst.Prof.O. Birdal |
| 15:20-17:00 | Practical education | Practical education | Lecturer |
| **7. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Acute Coronary Syndrome-Treatment | Proff. H.Şenocak |
| 10:30-12:00 | Practical education | Cardiac Risk Management | Proff. H.Şenocak |
| 13:30-14:20 | Theoretical course | Aortic Valve Diseases | Assoc.Prof. Y. Koza |
| 14:30-15:20 | Theoretical course | Aortic Valve Diseases | Assoc.Prof. Y. Koza |
| 15:20-17:00 | Free practical education | | |
| **8. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Acute Rhematical Fever | Proff. E.Bayram |
| 10:30-12:00 | Theoretical course | Infective Endocarditis | Proff. E.Bayram |
| 13:30-14:20 | Practical education | Svt-Ecg Cases | Proff. S.Sevimli |
| 14:30-15:20 | Practical education | Svt-Ecg Cases | Proff. S.Sevimli |
| 15:20-17:00 | Free practical education | | |
| **9. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Pericardial Diseases | Proff. Ş. Karakelleoğlu |
| 10:30-12:00 | Practical education | Heart Failure Patient Management | Proff. Ş. Karakelleoğlu |
| 13:30-14:20 | Theoretical course | Mitral Valve Diseases | Prof .Dr. M.Hakan Taş |
| 14:30-15:20 | Theoretical course | Mitral Valve Diseases | Proff. M.Hakan Taş |
| 15:20-17:00 | Free practical education | | |
|  | | | |
|  |  | | | |
| **10. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Hypertension Diagnosis And Treatment | Proff. E.Bayram |
| 10:30-12:00 | Theoretical course | Hyperlypidemia Diagnosis And Treatment | Asst.Prof.O. BİRDAL |
|  | | | |
| 13:30-14:20 | Theoretical course | Pulmonary Embolism | Assoc.Prof. Y.Koza |
| 14:30-15:20 | Practical education | Case-Based Learning (CBL) Session 2 | Lecturer |
| 15:20-17:00 | Practical education | Case-Based Learning (CBL) Session 2 | Lecturer |
| **3. Week** | | | | |
| **11. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Practical education | Bedside education | Proff. M.Hakan Taş |
| 10:30-12:00 | Practical education | Bedside education | Proff. M.Hakan Taş |
|  |  |  |  |
| 13:30-14:20 | Theoretical course | Bedside education-Eko | Assoc.Prof. Y.Koza |
| 14:30-15:20 | Theoretical course | Bedside education-K.Anjiyografi | Assoc.Prof. Y.Koza |
| 15:20-17:00 | Free practical education | | |
|  |  |  |  |  |
| **12. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Practical education | Defibrilation Education | Assoc.Prof. G. Ceyhun |
| 10:30-12:00 | Practical education | Defibrilation Education | Assoc.Prof. G. Ceyhun |
|  |  |  |  |
| 13:30-14:20 | Theoretical course | Bradycardias | Proff. F.Daysdoğdu |
| 14:30-15:20 | Theoretical course | Av Blocks | Proff. F.Daysdoğdu |
| 15:20-17:00 | Theoretical course | Branch Blocks | Proff. F.Daysdoğdu |
|  |  |  |  |  |
| **13. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Theoretical course | Pdö Oturumu | Lecturer |
| 10:30-12:00 | Theoretical course | Pdö Oturumu | Lecturer |
|  |  |  |  |
| 13:30-14:20 | Practical education | Bedside education | Proff. E.Bayram |
| 14:30-15:20 | Practical education | Bedside education | Asst.Prof.O. BİRDAL |
| 15:20-17:00 | Free practical education | | |
|  |  |  |  |  |
| **14. Days** | 08:00-09:20 | Practical education | Practical education | Lecturer |
| 09:30-10:20 | Practical education | Practical education | Lecturer |
| 10:30-12:00 | Practical education | Practical education | Lecturer |
|  |  |  | Lecturer |
| 13:30-14:20 | Practical education | Practical education | Lecturer |
| 14:30-15:20 | Practical education | Practical education | Lecturer |
| 15:20-17:00 | Practical education | Practical education | Lecturer |
|  |  |  |  |  |
| **15. Days** | 08:00-09:20 | **Exam** | |  |
| 09:30-10:20 |  |
| 10:30-12:00 |  |
|  |  | |  |
| 13:30-14:20 | **Exam** | |  |
| 14:30-15:20 |  |
| 15:20-17:00 | Student Feedback Meeting | |  |

### 5. MATCHING CARDIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| **MATCHING CARDIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **Problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| CARD001 | Bradycardias and AV blocks | DR. FUAT GÜNDOĞDU | 2 |  | 2, 4, 10, 11, 15, 22 | 2, 8, 10, 11, 12, 23, 24, 26, | 5, 7, 10, 11, 15, 16, 17, 18, 33, 34, 38 | 3, 12, 13 |
| CARD002 | Branch blocks | DR. FUAT GÜNDOĞDU | 1 |  | 6, 10 | 2, 10 | 7, 15, 17, 18 | 12, 13 |
| CARD003 | Symptoms and signs in heart diseases-Cardiac anamnesis | DR. HÜSEYIN ŞENOCAK | 1 | 1 | 1, 2, 6, 8, 9, 10, 11, 12, 17, 19, 20, 21, 22 | 2, 4, 9, 10, 11, 13, 19, 20, 22 | 15 |  |
| CARD004 | Examination of cardiovascular system | DR. HÜSEYIN ŞENOCAK | 1 | 1 | 7, 13, 14, 15, 16, 20, 23 | 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26 | 5, 16, 17, 18, 19, 34, 36 | 15 |
| CARD005 | Acute coronary syndromes-Patogenesis, diagnosis and treatment | DR. HÜSEYIN ŞENOCAK | 3 |  | 4, 8, 10, 15, 16, 22, 24, 25, 26 | 1, 2, 10, 11, 12, 24 | 7, 8, 9, 10, 11, 15, 16, 17, 18, 19, 20, 22, 23, 24, 28, 30, 31, 33, 34, 35, 36, 37, 38, 39 | 2, 3, 5, 6, 7, 8, 9, 10, 12, 13 |
| CARD006 | Bedside education- Cardiac risk assessment | DR. HÜSEYIN ŞENOCAK |  | 1 | 24, 25, 26 | 5, 14, 15, 17, | 12 | 1, 2, 7 |
| CARD007 | Stable Coronary Heart Disease-Patogenesis, diagnosis and treatment | DR. ŞULE KARAKELLEOĞLU | 2 |  | 8, 10, 16, 24, 25, 26 | 5, 14 | 7, 12, 15, 18, 19, 23, 28, 29, 38, 39 | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12 |
| CARD008 | Chronic heart failure | DR. ŞULE KARAKELLEOĞLU | 2 | 1 | 2, 4, 8, 10, 11, 13, 15, 16, 17, 18, 20, 22, 24, 25, 26 | 1, 2, 8, 11, 23, 24 | 6, 7, 12, 15, 17, 18, 19, 28, 38, 39 | 4, 5, 6, 7, 8, 9, 10, 12 |
| CARD009 | Pericardial diseases | DR. ŞULE KARAKELLEOĞLU | 1 |  | 1, 10 | 19, 24 | 1, 7, 17, 18, 19 | 12 |
| CARD010 | Supraventricular arrhythmias | DR. SERDAR SEVIMLI | 2 | 1 | 4, 6, 10, 15 | 10, 24 | 5, 7, 11, 16, 17, 18, 31 | 12, 13 |
| CARD011 | Congenital heart diseases | DR. SERDAR SEVIMLI | 1 |  | 7, 8, 16, 23 | 11, 13 | 6, 7, 15, 18, 19 | 12 |
| CARD012 | Acute heart failure | DR. SERDAR SEVIMLI | page290image36802081 |  | 4, 8, 10, 14, 15, 20 | 1, 2, 10, 11, 24 | 5, 6, 7, 8, 9, 10, 11, 16, 17, 18, 19, 30, 31, 34, 35, 36, 37 | 12 |
| CARD013 | Bedside education- Basic coronary angiography | DR. SERDAR SEVIMLI |  | 1 | 10 |  | 20, 24, 25, 29, 32 | 12 |
| CARD014 | Arterial hypertension- Diagnosis and treatment | DR. EDNAN BAYRAM | 1 |  | 2, 3, 5, 6, 8, 10, 14 | 7 | 6, 7, 12, 13, 14, 17, 18, 28, 34, 38, 39 | 4, 5, 6, 7 |
| CARD015 | Acute rheumatic fever | DR. EDNAN BAYRAM | 1 |  | 1, 8, 9, 16, 24 | 3, 11 | 12, 15, 17, 18 | 5 |
| CARD016 | Infective endocarditis | DR. EDNAN BAYRAM | 1 |  | 1, 16, 24 | 6, 9, 11 | 12, 17, 18, 27, 28 | 5 |
| CARD017 | Bedside education - Approach to the patient with arrhythmia | DR. EDNAN BAYRAM |  | 1 | 6 | 10 | 7, 16, 17, 18, 20, 31 | 12 |
| CARD018 | Mitral valve diseases | DR. M. HAKAN TAŞ | page290image57688322 |  | 6, 8, 10, 12, 16, 24 | 2, 6, 9 | 6, 7, 12, 18 | 12 |
| CARD019 | Myocardial diseases | DR. M. HAKAN TAŞ | 1 |  | 1, 8, 10, 14 | 16 | 18, 29 |  |
| CARD020 | Bedside education-Acute coronary syndromes | DR. M. HAKAN TAŞ | page290image5774448 | 1 | 10 | 2 | 7, 8, 9, 10, 11, 16, 17, 18, 20, 22, 31, 33, 34, 35, 36, 37 | 12, 13 |
| CARD022 | Aortic valve diseases | DR. YAVUZER KOZA | 2 |  | 2, 8, 10, 11, 16, 22 | 9, 11 | 6, 7, 18 | 12 |
| CARD023 | Pulmonary embolism | DR. YAVUZER KOZA | 1 |  | 4, 8, 10, 15, 22 | 20, 24 | 5, 6, 7, 10, 11, 12, 16, 17, 18, 19, 20, 22, 29, 36, 37 | 12 |
| CARD024 | Bedside education- Cardıac anamnesis and physıcal examınatıon | DR. YAVUZER KOZA |  | 1 | 1, 2, 6, 8, 9, 10, 11, 12, 17, 19, 20, 21, 22 | 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26 | 5, 16, 17, 18, 19, 34, 36 | 15 |
| CARD025 | Cardiac anatomy and physiology | DR. OĞUZHAN BIRDAL | 1 |  |  |  |  |  |
| CARD026 | Dyslipidemias | DR. OĞUZHAN BIRDAL | 1 |  | 24, 25, 26 | 14, 15, 17 | 12, 13, 14, 28, 38, 39 | 1, 2, 4, 5, 6, 7, 8, 9, 10, 14 |
| CARD027 | Ventricular arrhythmias | DR. OĞUZHAN BIRDAL | page290image57863041 | 1 | 2, 4, 6, 8, 10, 15, 22 | 2, 10, 11, 12, 24 | 5, 7, 10, 11, 16, 17, 18, 19, 31, 33, 34, 37 | 12, 13 |
| CARD028 | Pulmonary hypertension | DR. OĞUZHAN BIRDAL | 1 |  | 7, 8, 13, 20, 25 | 11, 21 | 6, 7, 15, 17, 18, 19 | 5, 6, 7, 12 |
| CARD029 | Bedside education-Basic echocardiography | DR. OĞUZHAN BIRDAL |  | 1 |  |  |  | 12 |
| CARD030 | Basic ekg principles | DR. GÖKHAN CEYHUN | 2 |  |  |  | 7 | 12 |
| CARD031 | Pathological ECG interpretation with examples | DR. GÖKHAN CEYHUN | 2 | 1 |  | 2, 8 | 7 | 12 |
| CARD032 | Bedside education- Defibrillator education | DR. GÖKHAN CEYHUN |  | 1 |  |  | 31, 37 | 12 |

### 6. LEARNING METHODS OF CARDIOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF CARDIOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR CARDIOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V CARDIOLOGY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| To be able to take general and problematic medical history | **4** | **3\*** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Examination of cardiovascular system | **4** | 5\* |  |
| Examination of respiratory system | **4** | 5\* |  |
| **C. Registration, Reporting and Notification** | | | |
| Preparing patient file | **4** | 2 |  |
| Prescribing | **4** | 3\* |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking electrocardiography and evaluating electrocardiogram | **3** | 10 |  |
| Creating a laboratory request form | **4** | 5 |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Measuring blood pressure | **4** | 10 |  |
| Acoompanying echocardiography application | **1** | 10\* |  |
| Acoompanying exercise stress test | **1** | 3\* |  |
| Participating in diagnostic and interventional procedures in the cardiac catheterization laboratory | **1** | 5\* |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN CARDIOLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN CARDIOLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| **SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP GUIDE** |

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| --- | --- | --- | --- | --- |
| **Code** | MED506 |  | **Type** | Compulsory |
| **Period** | 3 weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Up To Date |
| **2.** |  |
| **3.** |  |

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| **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| **OBJECTIVE OF THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM** | |
|  | To be able to make a pre-diagnosis / diagnosis by evaluating the anatomy, physiological features of the thoracic related organs, and the symptoms and signs of the diseases that affect them |
|  | To be able to define emergencies for Thoracic Surgery - Cardiovascular Surgery and make emergency treatment |
|  | Creating and applying a treatment plan in clinical situations required within the scope of education level criteria |
|  | To be able to provide referral when necessary after emergency intervention and treatment |
|  | To be able to gain the knowledge, skills and professionalism characteristics determined for internship. |

### 2. THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| Contribution levels | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 5 | 5 | 5 |
| Program Qualifications | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| Contribution levels | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Thoracic Surgery and Cardiovascular Surgery clerkship period

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | | |
| 1 | Abdominal distension | 14 | Abdominal pain | 27 | Problems with altitude and plunge (pressure changes) |
| 2 | Apnea | 15 | Mass in the abdomen | 28 | Legal situations / responsibilities |
| 3 | Fever  Dysphagia | 16 | Claudication intermittant | 29 | Accidents (Home-work-traffic accidents, falls, drowning) |
| 4 | Palpitation | 17 | Lymphadenopathy | 30 | Corrosive exposure |
| 5 | Skin and nail changes (dryness, discoloration, etc.) | 18 | Edema | 31 | Death |
| 6 | Dysphagia | 19 | Cough | 32 | Violence (Domestic violence, violence against children, women, healthcare personnel, violence at work, mobing) |
| 7 | Dyspnoea | 20 | Parasthesia | 33 | Disabilit |
| 8 | Chest pain | 21 | Paresis, paralysis | 34 | Risk management and malpractice |
| 9 | Chest wall anomalies | 22 | Syncope | 35 | Wounds and injuries |
| 10. | Hemoptysis | 23 | Cyanosis | 36 | Prevention of chronic diseases |
| 11. | Hypertension | 24 | Stridor | 37 | Health promotion |
| 12. | Hypotension | 25 | Sweating changes | 38 | Problems with tobacco, alcohol and substance use |
| 13. | Cardiac murmur | 26 | Foreign body (swallowing / aspiration / ear / nose) |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Thoracic Surgery and Cardiovascular Surgery clekchip period.

|  |  |
| --- | --- |
| **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Pulmonary edema  2. Acute coronary syndrome  3. Anaphylaxis  4. ARDS  5. Artery and vein injury  6. Cardio ‐ pulmonary arrest  7. Accidents (Home-work-traffic accidents, falls etc.)  8. Compartment syndrome  9. Pneumothorax  10. Respiratory failure  11.Thoracic traumas  12. Foreign body / aspiration  13. Laryngeal obstruction |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 14. Achalasia  15. Lung Cancer  16. Acute artery occlusion  17. Aortic aneurysm / rupture  18. Aortic dissection  19. Bronchiectasis  20. Diaphragmatic hernias  21. Deep vein thrombosis  22. Varicose veins in the extremity  23. Gastrointestinal system motility disorders  24. Interstitial lung diseases  25. Heart valve diseases  26. Heart rhythm disorders  27. Bone tumors  28. Cyst hydatid disease  29. Coronary artery disease  30. Pleural effusion, empyema  31. Pneumothorax |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 32. Acute coronary syndrome  33. Sudden death  34. Congenital structural anomalies  35. Gastrointestinal system cancers  36. Heart failure  37. Compartment syndrome  38. Foreign body / aspiration |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 39. Gastro ‐ esophageal reflux |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 40.Lung Cancer  41. Acute coronary syndrome  42. Anaphylaxis  43. Sudden death  44.Bronchiectasis  45.Deep vein thrombosis  46. Congenital structural anomalies  47. Varicose veins in the limb  48. Gastrointestinal system cancers  49. Gastro ‐ esophageal reflux  50. Heart valve diseases  51.Heart failure  52. Accidents (Home-work-traffic accidents, falls etc.)  53.Compartment syndrome  54.Cyst hydatid disease |
|  |  |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Thoracic Surgery and Cardiovascular Surgery clekchip period.

|  |  |
| --- | --- |
| **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. To be able to pleural puncture |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 2)** | 2. Forensic case examination  3. Consciousness assessment and mental state examination  4. Musculoskeletal examination  5. To be able to prepare a forensic report  6. Ability to establish vascular access  7. Ability to apply defibrillation  8. To be able to take and evaluate ECG  9. Ability to edit reporting and notification  10. Periodic examination, control (Cardiac risk calculation, adolescent counseling, tobacco counseling, cancer screening, etc.)  11. Reading and evaluating direct radiographs  12. To be able to distinguish / manage forensic cases  13. "Airway" application  14. Rational drug use  15. Ability to open skin and soft tissue abscess  16. Being able to intubate  17. Ability to take biological samples from the patient  18. Ability to remove the foreign body in the airway with appropriate maneuvers  19. To be able to apply and evaluate pulse oximetry  20. Evaluating respiratory function tests  21. To be able to take and take superficial sutures  22. Providing health education to the society  23. Ability to combat communicable diseases in the community |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 24. To be able to take general and problem-oriented stories  25. To be able to evaluate the mental state  26.Cardiovascular system examination  27. Respiratory system examination  28. Clarification and consent  29. Ability to prepare an epicrisis  30. Ability to prepare a patient file  31.Ability to refer patients appropriately  32.Ability to issue death certificate  33. Prepare recipe  34. Ability to prepare a treatment rejection document  35. To be able to apply the principles of working with biological material  36. Providing decontamination, disinfection, sterilization, antisepsis  37. Ability to fill the request form for laboratory examination  38. Ability to take the laboratory sample under suitable conditions and deliver it to the laboratory.  39. Ability to take measures to stop / limit external bleeding  40. Hand washing  41. Provide basic life support  42. Evaluating the disease / trauma severity scoring |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Chest Surgery and Cardiovascular Surgery period

|  |  |
| --- | --- |
| **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **-------------** |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Thoracic Surgery and Cardiovascular Surgery clerkchip

|  |
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| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP** |
| 1. Holistic approach to health (bio ‐ psycho social and cultural approach), patient centered approach, community oriented medicine.  2. Rights-based health approach.  3. Communication skills, communication in difficult situations, interpersonal relationships and teamwork.  4. History of medicine and thought / values, physician identity and consciousness, physician roles and limits.  5. Medical ethics, ethical and professional values ​​and responsibilities; human, social and cultural values ​​and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Professionalism / ethical problems, dilemmas in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, health inequality, gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous personal and professional development, training and consultancy. |

### 4. THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

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| **PHASE V THORACIC SURGERY – CARDIOVASCULAR SURGERY INTERNSHIP**  **WEEKLY TRAINING PROGRAM** | | | |
| **DAYS** | **THE SUBJECT OF THE COURSE** | **COURSE TIME** | **LECTURER** |
| **Monday** | **1. WEEK** | | | |
| Briefing About Related Clinical Internship | 08:00-08:50 | Assistant Professor Ali Bilal ULAS  Associate Professor Ümit ARSLAN |
| Thoracic Surgery  Problem-based learning  Session I | 09:00-09:50 | Professor.Atila EROGLU,  Professor Yener AYDIN,  Assistant Professor Ali Bilal ULAS |
| General Thorasic Surgery | 10:00-10:50 | Assistant Professor Ali Bilal ULAS |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-17:00 |  |
| **Tuesday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-09:50 |  |
| Cardiovascular Surgery  Problem-based learning  Session I | 10:00-10:50 | Professor Yahya ÜNLÜ,  Associate Professor Ugur KAYA  Associate Professor Eyup Serhat CALIK |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-13:30 |  |
| Clinical Case Presentation | 13.30-14:20 | Professor Munacettin CEVİZ |
| Abdominal Aortic Aneurysms | 14.30-15:20 | Associate Professor Abdurrahim COLAK |
| Surgical Treatment of Coronary Artery Disease | 15:30-17:00 | Proffesor.Bilgehan ERKUT |
| **Wednesday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-08:50 |  |
| Thorax Radiology | 09:00-09:50 | Assistant Professor Ali Bilal ULAS |
| Pneumothorax | 10.00-10:50 | Assistant Professor Ali Bilal ULAS |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-14:30 |  |
| ASD+VSD+PDA | 14:30-15:20 | Professor Munacettin CEVİZ |
| Elective / Freelance work | 15:30 -17:00 |  |
| **Thursday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08.00-09:50 |  |
| Peripheral Arterial Disease | 10.00-10:50 | Associate Professor Eyup Serhat CALIK |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11.00-12:00 |  |
| Aortic Dissection | 13.30-14:20 | Professor Yahya ÜNLÜ |
| Lower Extremity Venous System Diseases Venous Thromboembolism –  Tetralogy of Fallot | 14.30-15:20 | Associate Professor Umit ARSLAN |
| Elective / Freelance work | 15:30-17:00 |  |
| **Friday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-08:50 |  |
| Pleural Effusions | 09:00-09:50 | Assistant Professor Ali Bilal ULAS |
| Hyperhidrozis | 10.00-10:50 | Assistant Professor Ali Bilal ULAS |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-15:00 |  |
| Elective / Freelance work | 15:00- 17:00 |  |
| **Monday** | **2. WEEK** | | | |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08.00-09:50 |  |
| Cardiovascular Surgery  Problem-based learning  Session II | 10.00-10:50 | Proffesor.Bilgehan ERKUT  Associate ProfessorAbdurrahim COLAK Assistant Professor Umit ARSLAN |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-12:00 |  |
| Varices | 13:30-14:20 | Assistant Professor Ümit ARSLAN |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 14:30-17:00 |  |
| **Tuesday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-08:50 |  |
| Thoracic Surgery  Problem-based learning  Session II | 09.00-09:50 | Professor Atila EROGLU,  Professor Yener AYDIN,  Assistant Professor Ali Bilal ULAS |
| Hydatic Cyst | 10.00-10:50 | Professor Yener AYDIN |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-12:00 |  |
| Foreign Bodies | 13:30-14:20 | Professor Yener AYDIN |
| Elective / Freelance work | 14:30-17:00 |  |
| **Wednesday** | Briefing About Related Clinical Internship | 08.00-08:50 | Assistant Professor Ali Bilal ULAS/  Associate Professor Ümit ARSLAN |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 09:00-09:50 |  |
| Surgical Treatment of Coronary Artery Disease | 10.00-10:50 | Proffesor.Bilgehan ERKUT |
| Acute Artery Embolism | 13:30-14:20 | Associate Professor Ugur KAYA |
| Elective / Freelance work | 14:30-17:00 |  |
| **Thursday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-08:50 |  |
| Congenital Chest Wall Deformities | 09.00-09:50 | Professor Yener AYDIN |
| Congenital Lung Malformations | 10.00-10:50 | Professor Yener AYDIN |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-12:00 |  |
| Bronchiectases | 13:30-14:20 | Professor Yener AYDIN |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 14:30-17:00 |  |
| **Friday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08.00-09:50 |  |
| Peripheral Vascular Injuries | 10.00-10:50 | Proffesor.Bilgehan ERKUT |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-12:00 |  |
| Surgical Treatment of Mitral Valve Diseases | 13:30-14:20 | Associate Professor Abdurrahim ÇOLAK |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 14:30-17:00 |  |
| **Monday** | **3. WEEK** | | | |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-08:50 |  |
| Thoracic traumas | 09.00-09:50 | Professor Atila EROGLU |
| Diaphragmatic hernias | 10.00-10:50 | Professor Atila EROGLU |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-17:00 |  |
| **Tuesday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08.00-08:50 |  |
| Cardiovascular Surgery Problem-based learning Session III | 09:00-09:50 | Professor Munacettin CEVİZ,  Associate Professor Ümit ARSLAN |
| Surgical Treatment of Aortic Valve Diseases | 10:00-10:50 | Associate Professor Eyup Serhat CALIK |
| Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 11:00-17:00 |  |
| **Wednesday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08:00-08:50 |  |
| Lung cancer | 09.00-09:50 | Professor Atila EROGLU |
| Esophageal Diseases | 10.00-11:30 | Professor Atila EROGLU |
| Thoracic Surgery  Problem-based learning  Session III | 11:30-12:00 | Professor Atila EROGLU,  Professor Yener AYDIN,  Assistant Professor Ali Bilal ULAS |
| Elective / Freelance work | 13:30-17:00 |  |
| **Thursday** | Practical applications in the related clinic (Operating room, Outpatient clinic, Service) | 08.00-08:50 |  |
| Cardiopulmonary Bypass | 09:00-09:50 | Proffesor Yahya ÜNLÜ |
| Pericardial Effusion and Tamponade | 10:00-10:50 | Associate Professor Ümit ARSLAN |
| Elective / Freelance work | 11:00-17:00 |  |
| **Friday** | EXAM (Practical-Oral) | 09:00-12:00 | Department of  Thoracic Surgery – Cardiovascular Surgery |
| EXAM (Multiple-Choice) | 13:30-14:30 |  |
| Post-internship feedback meeting |  |  |

### 5. MATCHING THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| **MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| TS 001 | Thoracic Anatomy | Assistant Professor Ali Bilal ULAS | 1 |  |  |  |  |  |
| TS 002 | Thoracic Radiology | Assistant Professor Ali Bilal ULAS | 1 |  |  |  | 11 |  |
| TS 003 | Pleural effusions, Hemothorax | Assistant Professor Ali Bilal ULAS | 1 |  | 7, 8, 30, 35 | 10 | 1, 11, 1517, 19, 21, 24, 25, 27,  28, 29, 31 |  |
| TS 004 | Pneumothorax | Assistant Professor Ali Bilal ULAS | 1 |  | 7, 8, 27, 35 | 9, 10, 31 | 1, 11, 19, 21, 24, 25, 27, 28, 29  31 |  |
| TS 005 | Bronchiectasis | Assistant Professor Ali Bilal ULAS | 1 |  | 3, 17, 19 | 19, 44 | 11, 24, 25, 27, 28, 29 |  |
| TS 006 | Congenital structural anomalies | Prof. Dr. Yener AYDIN | 1 |  | 9, 34, 46 | 34, 46 | 10, 11, 24, 25, 27, 28, 29 |  |
| TS 007 | Cyst Hydatid | Prof. Dr. Yener AYDIN | page290image36802081 |  | 3, 8, 10, 19 | 3, 10, 28, 42 | 10, 11, 23, 24, 25, 27, 28, 29 |  |
| TS 008 | Foreign object aspiration | Prof. Dr. Yener AYDIN | 1 |  | 2, 24, 26 | 10, 12, 13, 38 | 11, 18, 24, 25, 27, 28, 29, 31 |  |
| ts 009 | Esophageal foreign objects | Prof. Dr. Yener AYDIN | 1 |  | 6, 8, 26, 30 | 38 | 11, 24, 25, 27, 28, 29, 31 |  |
| TS 010 | Hyperhidrosis | Prof. Dr. Yener AYDIN | 1 |  | 25 |  | 22, 24, 25, 27, 28, 29 |  |
| TS 011 | Lung cancer | Prof. Dr. Atila EROĞlU | 1 |  | 8, 10, 24, 27, 33, 36, 37, 38, 40 | 15, 40 | 10, 11, 20, 22, 24, 25, 27, 28, 29 |  |
| TS 012 | Esophageal Diseases | Prof. Dr. Atila EROĞlU | page290image57688321 |  | 6, 33, 48 | 14, 23, 35, 39, 48 | 10, 11, 24, 25, 27, 28, 29 |  |
| TS 013 | Diaphragmatic Hernias | Prof. Dr. Atila EROĞlU |  |  | 7, 8 | 20 | 11, 24, 25, 27, 28, 29 |  |
| TS 014 | Thoracic Traumas | Prof. Dr. Atila EROĞlU |  |  | 8, 18, 28, 29, 31, 32, 34, 35 | 1, 4, 5, 6, 7, 9, 10, 11, 33, 43 | 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 19, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34 |  |
| TS 015 | Differentiation of forensic cases | Department Faculty Members |  | 1 |  |  |  |  |
| TS 016 | Hand washing | Department Faculty Members | page290image5774448 | 1 |  |  |  |  |
| TS 017 | To be able to pleural puncture | Department Faculty Members | page290image5779232 | 1 |  |  |  |  |
| TS 018 | Provide basic life support | Department Faculty Members |  | 1 |  |  |  |  |
| TS 019 | Ability to take and take superficial sutures | Department Faculty Members | page290image5786304 | 1 |  |  |  |  |
| TS 020 | Service Visit | Department Faculty Members |  | 42 |  |  |  |  |
| TS 021 | Polyclinic / Operating Room Applications | Department Faculty Members |  | 22 |  |  |  |  |
| TS 022 | Meeting to inform internship goals and objectives | Head of internship commission | 1 |  |  |  |  |  |
| TS 023 | Post-internship feedback meeting | Head of internship commission | 1 |  |  |  |  |  |
| CVS 001 | Abdominal Aortic Aneurysms | Associate Professor Abdurrahim COLAK | 1 |  | 1, 14, 15 | 17, 18 | 24, 26, 28.29, 31 |  |
| CVS 002 | Congenital Heart Diseases and Surgical Treatment ASD, VSD, PDA | Prof. Dr. Münacettin CEVİZ | 1 |  | 4, 7, 8, 13, 23, 31 | 1, 10, 25, 26, 33, 34, 46 | 8, 10, 11, 24, 26, 27, 28.29, 31 |  |
| CVS 003 | Peripheral Artery Diseases | Prof. Dr. Azman ATEŞ | 1 |  | 16, 20, 21 | 16 | 24, 26, 28.29, 31 |  |
| CVS 004 | Aortic Dissection | Prof. Dr. Yahya ÜNLÜ | 1 |  | 7, 8, 12, 22 | 18, 33 | 24, 26, 28.29, 31 |  |
| CVS 005 | Lower Extremity Venous System Diseases Venous Thromboembolism | Associate Professor Ümit ARSLAN | 1 |  | 5, 18, 23 | 21, 45 | 24, 26, 28.29, 31 |  |
| CVS 006 | Varicose veins | Associate Professor Ümit ARSLAN | 1 |  | 5, 18 | 22, 47 | 24, 26, 28.29 |  |
| CVS 007 | Surgical Treatment in Coronary Artery Diseases | Prof. Dr. Hikmet KOÇAK | 1 |  | 4, 8, 11 | 2, 26, 32, 33 | 7, 8, 10, 26, 31 |  |
| CVS 008 | Acute Artery Embolism | Associate Professor.Uğur KAYA | 1 |  | 20, 21, 23 | 16 | 24, 26, 28.29, 31 |  |
| CVS 009 | Peripheral Vascular Injuries | Prof.Dr.Bilgehan ERKUT | 1 |  | 12, 23 | 5, 8, 37 | 24, 26, 28.29, 31 |  |
| CVS 010 | Surgical Treatment of Mitral Valve Diseases | Associate Professor.Uğur KAYA | 1 |  | 4, 7, 13, 23 | 25 | 8, 11, 24, 26, 28.29, 31 |  |
| CVS 011 | Surgical Treatment of Aortic Valve Diseases | Associate Professor Eyüpserhat ÇALIK | 1 |  | 4, 7, 13, 22, 23 | 25 | 8, 11, 24, 26, 28.29, 31 |  |
| CVS 012 | Tetralogy of Fallot | Associate Professor Ümit ARSLAN | 1 |  | 7, 22, 23 | 34 | 11, 24, 26, 28.29, 31 |  |
| CVS 013 | Cardiopulmonary Bypass | Prof.Dr.Yahya ÜNLÜ | page290image36802081 |  | 8 | 2, 6, 32, 33, 41, 43 | 24, 26, 28.29, 31 |  |
| CVS 014 | Pericardial Effusion and Tamponade | Assistant Professor Ferhat BORULU | 1 |  | 7, 8, 12, 18 | 30, 33 | 8, 11, 24, 26, 28.29, 31 |  |

**6. LEARNING METHODS OF THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM**

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| **LEARNING METHODS OF THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities carried out in clinical skills laboratories and simulated patient centers * Multidisciplinary laboratory practices * • Bedside trainings, visits, structured focused patient visit; service and polyclinic experiences * • Community-based learning activities (observing health risks in the workplace and schools, evaluating the services provided, service delivery in primary health care institutions, home visits, etc.) * • On-the-job learning and assessment * • Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lesson / presentation: Lecture, instructor presentation, interactive lecture / classroom lessons * Interdisciplinary learning events (meetings, panels, group discussions) * • Case / problem-based interactive learning activities conducted with small groups (case-based evaluation, case discussion, clinical tutorials, etc.) * Case-based learning * Independent learning * Multidisciplinary laboratory applications, anatomy laboratory applications * • Project / research based learning |
| **Learning Methods Related with Professionalism** |
| * Interdisciplinary learning events (meetings, panels, forums, group discussions) * Critical case discussions * Reflection sessions * • Student development file (portfolio) application * • On-the-job learning and assessment (MiniPET)Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

7. “STUDENT TRAINEE REPORT” FOR THORACIC SURGERY – CARDIOVASCULAR SURGERY

**CLERKSHIP** The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSİTY FACULTY OF MEDICINE-SESSION V THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP STUDENT TRAİNEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| Taking general and problem-oriented stories | **3** | **1\*** |  |
|  |  |  |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Cardiovascular system examination | **3** | 1\* |  |
| UBI measurement | **3** | 1\* |  |
|  |  |  |  |
| **C. Registration, Reporting and Notification** | | | |
| Write a prescription | **3** | 1\* |  |
| Preparing a patient file | **3** | 1 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Ability to take the laboratory sample under suitable conditions and send it to the laboratory under suitable conditions | **3** | 3 |  |
| Ability to fill the request form for laboratory examination | **4** | 3 |  |
| To be able to interpret the results of screening and diagnostic examinations | **2** | 3\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Ability to open a central venous catheter | **2** | 1\* |  |
| Ability to suture / suture primary incision | **2** | 1 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP GUIDE |

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| **Code** | MED502 |  | **Type** | Compulsory |
| **Period** | 3 weeks |  | **ECTS** | 5 |

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| **DERMATOLOGY CLERKSHIP-Prerequisite Courses** | |
| **1** | the pre-clinical courses |
| **2** | courses in the relevant committee (s) in session 3 |

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| **REFERENCES(RESOURCE BOOK -OTHERS)** | |
| **1.** | Dermatology. Jean L. Bolognia, Julie V. Schaffer, Lorenzo Cerroni, Jeffrey P. Callen, EdwardW. Cowen, George J. Hruza, Joseph L. Jorizzo, Harvey Lui, Luis Requena, Thomas Schwarz, Antonio Torrelo.2018 |
| **2.** | Dermatoloji. Yalçın Tüzün, Mehmet Ali Gürer, Server Serdaroğlu, Oya Oğuz, Varol Aksungur (Editörler); Nobel Tıp Kitabevi. |
| **3.** | Dermatoloji (Jean L Bolognia). Hayriye Sarıcaoğlu, Emel Bülbül Başkan (Çeviri editörleri);Nobel Tıp Kitapevleri. |
| **4.** | Fitzpatrick’s Dermatology in General Medicine. Lowell A. Goldsmith, Stephen I. Katz, Barbara A. Gilchrest, Amy S. Palle, David J. Leffell, Klaus Wolff (Editors); McGraw-Hill. |
| **5.** | Fitzpatrick'in Renkli Klinik Dermatoloji Atlası ve Özeti. Neslihan Şendur, Göksun Karaman, Ekin Şavk (Çeviri editörleri); Güneş Tıp Kitabevleri. |
| **6.** | UpToDate (http://www.uptodate.com). |
| **7.** | Andrews’ Dıseases Of The Skın: Clınıcal Dermatology,William D. James, Timothy G. Berger, Dirk M. Elston 2016 |

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| **DERMATOLOGY AND VENEREOLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Training starts on 08.00 in the morning and ends at 17.00 in the evening. |
| **2** | Students are expected to attend lectures, clinics and exams in a clean and well-maintained manner, with white coat and ID card. |
| **3** | The first course is planned as introduction to Dermatology and venereology clerkship. The students will be informed by the instructor about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medical practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are expected to attend grand rounds every morning at 8.30 on weekdays |
| **5** | Students are required to keep the “Atatürk University Faculty of Medicine Trainee Report” which includes the knowledge, skills and attitudes expected to be gained during the clerkship prepared in accordance with the learning objectives and competencies. At the end of the clerkship, the Trainee Card must be approved by the director of the clerkship and delivered to the Department. |
| **6** | 80% attendance is compulsory for the clerkship (in theoretical-practical sessions and grand rounds) and failure to attend with more than 20% of sessions leads to loss of the right to take the exam at the end of the clerkship. |
| **7** | Students will participate in scientific meetings, case presentations and seminars organized by the Department. |
| **8** | **In order to be successful at the end of the clerkship;**Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **9** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. DERMATOLOGY AND VENEREOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| **OBJECTIVES OF THE DERMATOLOGY AND VENEREOLOGY CLERKSHIP**  **The students are expected to gain following achievements at the end of the clerkship** | |
|  | To gain the necessary knowledge, skills and attitudes to diagnose and treat the most common dermatological diseases in our country and region in accordance with the learning objectives specified in the National Core Education Program. |
|  | To be able to define and manage dermatological emergencies |
|  | To be able to create and apply treatment plan for certain clinical conditions within the scope of expected learning level |
|  | To be able to refer the patient when necessary after emergency intervention and treatment |
|  | To grow up as physicians who are questioning and open-minded, and enthusiastic for research, who practice their profession within ethical rules, and who can approach the patient and their family in a holistic manner and empathize. |
|  | To gain the knowledge, skills and professionalism characteristics idetified for Dermatology clerkship. |

### 2. DERMATOLOGY AND VENEREOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to“Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Level of contribution** | 5 | 5 | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |  | 3 | 3 | 3 | 3 | 3 | 4 |  |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Level of contribution** | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |  |  |  |  |  |  |  |  |

**Level of contribution*:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 veryhigh*

### 3. LEARNING OBJECTIVES OF THE DERMATOLOGY CLERKSHIP PROGRAM

1. **Frequent reasons for application:** During the Dermatology clerkship, it is expected to gain competence in following symptom / clinical conditions, forensic / psychosocial conditions, health conditions and environmental / global conditions.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Oral sores, | 4 | Genital sores | 7 | Hair loss |
| 2 | Rashes/skin lesions (maculopapular, bullous, vesicular, ulcerative etc) | 5 | Pruritus | 8 | İnsect bites |
| 3 | Skin and nail changes (dryness, color change etc) | 6 | Petechiae, purpura, ecchymosis |  |  |

1. **KNOWLEDGE:** During the Dermatology and Venereology clerkship, students are expected to get knowledge at the levels identified in the **“Learning levels of Diseases / Clinical Problems”** listed below.

|  |  |
| --- | --- |
| **DERMATOLOGY CLERKSHIP- *CLINICAL PROBLEMS LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems stated in the next column;  **To be able to define the Emergency situation (E) and manage emergency treatment and refer the patient to the specialist when necessary** | 1.Anaphylaxis  2.Allergic reaction  12.Erythroderma  14. Drug side effects  21.Urticaria and angioedema |
|  |  |
| In the clinical problems stated in the next column;  To be able to put a preliminary diagnosis (PreD) and refer the patient to the specialist by making the necessary arrangements | 7.Skin tumors  15.Leishmaniasis (cutaneous)  16.Autoimmune bullous dermatoses (pemphigus, Bullous pemphigoid, dermatitis herpetiformis)  20.Sarcoidosis  19.Systemic lupus erythematosus  23.Vasculitis  13.Tuberculosis (cutaneous) |
|  |  |
| In the clinical problems stated in the next column;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to refer the patient to the specialist by making the necessary preliminary procedures** | 3.Alopecia  5.Behçet’s Disease  12.Erythroderma  14.Drug side effects  17.Psoriasis, lichen planus, pityriasis rosea  18.Reactive dermatoses (erythema nodosum, erythema multiforme)  22.Vitiligo |
|  |  |
| In the clinical problems stated in the next column;  **To be able to Diagnose and Treat (DT)** | 2.Allergic reaction  4.Acne vulgaris/rosacea  6.Sexually transmitted infections  8.Skin and soft tissue infections (bacterial, fungal, viral)  9.Parasitic diseases of the skin  10.Dermatitis (atopic, contact, seborheic, diaper)  11.Infectious diseases with rash  21.Urticaria and angioedema |
|  |  |
| In the clinical problems stated in the next column;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1.Anaphylaxis  6.Sexually transmitted infections  8.skin and soft tissue infections (bacterial, fungal, viral)  7.Skin tumors  9.Parasitic diseases of the skin  10.Dermatitis (atopic, contact, seborheic, diaper)  11. Infectious diseases with rash 14. Drug side effects  15.Leishmaniasis (cutaneous)  21.Urticaria and angioedema |
|  |  |

1. **SKILLS:** During the Dermatology and Venereology clerkship, it is expected to gain ability to practice at the levels identified in the **“Basic Medical Practices”** listed below.

|  |  |
| --- | --- |
| **LEARNING LEVELS OF BASIC MEDICAL PRACTICES IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP** | |
| **LEARNING LEVEL** | **BASIC MEDICAL PRACTICES IN THE DERMATOLOGY CLERKSHIP** |
| For the skills specified in the next column;  make pre-assessment/evaluation in **uncomplicated,** frequent situations/cases, create necessary plans, inform patients and their relatives and does the practice  **(Learning level 3)**. | 1. Drainage of soft tissue abscesses 2. Fight against infectious diseases in the community |
|  |  |
| For the skills specified in the next column;  preevaluate the practice including **complex** situations/cases, creates necessary plans, informs the patient and relatives does the practice **(Learning Level 4)** | 1. Following the principles of rational drug use 2. Taking an informed consent 3. Skin examination 4. Decontamination, disinfection, sterilisation, antisepsis 5. Preparing medical records 6. General and problem based history taking 7. Preparing patient file 8. Using light microscope 9. Prescribing 10. Reporting legally notifiable diseases and conditions |

1. **BEHAVIORAL, SOCIAL SCIENCES AND HUMANITIES (BSSH)- LlST OF CONDITIONS:** It is expected to have sensitivity, knowledge and skills in the conditions related with **“Behavioral, Social sciences and Humanities”** listed below during the Dermatology and Venereology clerkship.

|  |  |
| --- | --- |
| **DERMATOLOGY AND VENEREOLOGY CLERKSHIP–BEHAVIORAL, SOCIAL SCIENCES AND HUMANITIES- LlST OF CONDITIONS** | |
|  |  |
|  | **1. Work and Health Interaction**  1. Occupational Diseases |
|  |  |
|  | **2. Environment and Health Interaction**  2. Environmental diseases |
|  |  |
|  | **3.Child neglect and abuse**  3. Abuse (physical, emotional, sexual) |
|  | 1. **Chronic Noninfectious Diseases**   4. Multimorbidity |
|  | 1. **Global climate crisis**   5. Epidemic diseases |
|  | **6. Reproductive Health /Sexual Health**  6. Sexuallly transmitted diseases and ways of prevention |

1. **Professionalism:** The attitudes listed below are expected to be gained during the Dermatology and Venereology clerkship.

|  |
| --- |
| **DERMATOLOGY AND VENEREOLOGY CLERKSHIP- ATTITUDES TO BE GAINED IN TERMS OF PROFESSIONALITY** |
| 1. A holistic approach to health (bio ‐ psycho ‐ social and cultural), patient ‐ centered, community oriented medicine 2. Right-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork. 4. History of Medicine and thought/values, physician identity and awareness, roles and limits in medicine 5. Medical ethics, ethical and professional values ​​and responsibilities; humanitarian, social and cultural values ​​and responsibilities 6. Patient rights, physician responsibility, patient-physician relationship 7. Problems and dilemmas for professionalism / ethics in health processes 8. Legal problems in health processes 9. Research and publication ethics 10. Determinants of health, inequality in health, gender and health. 11. Health systems, health policies. 12. Health economics and management. |

### 4. SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP EDUCATION PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **DERMATOLOGY AND VENEREOLOGY CLERKSHIP EDUCATION PROGRAM** | | | |
| **DAYS** | **THE SUBJECT OF THE COURSE** | **TIME** | **LECTURER** |
| **1. WEEK** | | | |
| **Monday** | Information about clerkship and ethical and professional values ​​in clinical practice | 08.00-09.00 | Dr. Erkayman, Melikoğlu, Bilen, Pala will attend alternately |
| Grand rounds | 09.00-10.00 |  |
| Elementary lesions (2) | 10.00-12.00 | Asst. Prof. Merve Hatun ERKAYMAN |
| Cutaneous tuberculosis (2) | 13.00-15.00 | Asst. Prof. Handan BİLEN |
| Inpatient- Outpatient clinics | 15.00-16.00  Inpatient clinics (Group 1)  Outpatient clinics (Group 2) | Dr. Melikoğlu, Bilen, Pala, Erkayman will attend alternately |
| **Tuesday** | Grand rounds | 08.00-09.30 |  |
| Dermatitis (2) | 10.00-12.00 | Assoc. Prof. Mehmet MELİKOĞLU |
| Urticaria (2) | 13.00-15.00 | Asst. Prof. Erdal PALA |
| Inpatient- Outpatient clinics | 15.00-16.00 |  |
| **Wednesday** | Case Based Learning (CBL) I | 08.00-10.00 | Asst. Prof. Erdal PALA |
| Pigment Disorders (1) | 10.00-11.00 | Asst. Prof. Handan BİLEN |
| Syphilis (1) | 11.00-12.00 | Asst. Prof. Handan BİLEN |
| Elective / Free study |  |  |
| **Thursday** | Inpatient- Outpatient clinics | 08.00-09.30 |  |
| Inpatient- Outpatient clinics | 10.00-12.00 |  |
| Inpatient- Outpatient clinics | 13.00-14.00 |  |
| Superficial fungal İnfections (2) | 15.00-17.00 | Asst. Prof. Merve Hatun ERKAYMAN |
| **Friday** | Grand rounds | 08.00-09.30 |  |
| Inpatient- Outpatient clinics | 10.00-12.00 |  |
| Inpatient- Outpatient clinics | 13.00-14.00 |  |
| Inpatient- Outpatient clinics | 14.00-16.00 |  |
| **2. WEEK** | | | |
| **Monday** | Grand rounds | 08.00-09.30 |  |
| Mycosis Fungoides (1) | 10.00-11.00 | Assoc. Prof. Mehmet MELİKOĞLU |
| Leishmaniasis (1) | 11.00-12.00 | Assoc. Prof. Mehmet MELİKOĞLU |
| Skin and soft Tissue Infections (2) | 13.00-15.00 | Asst. Prof. Handan BİLEN |
| Inpatient- Outpatient clinics | 15.00-16.00 |  |
| **Tuesday** | Grand rounds | 08.00-09.30 |  |
| Viral Diseases (2) | 10.00-12.00 | Asst. Prof. Merve Hatun ERKAYMAN |
| Papulosquamous Diseases (2) | 13.00-15.00 | Asst. Prof. Erdal PALA |
| Inpatient- Outpatient clinics | 15.00-16.00 |  |
| **Wednesday** | Case Based Learning (CBL) II | 08.00-09.00  09.00-10.00 | Asst. Prof. Üyesi Merve Hatun ERKAYMAN (1)  Assoc. Prof. Mehmet MELİKOĞLU |
| Connective Tissue Diseases (2) | 10.00-12.00 | Asst. Prof. Erdal PALA |
| Elective/ Free study |  |  |
| **Thursday** | Grand rounds | 08.00-09.30 |  |
| Inpatient- Outpatient clinics | 10.00-12.00 |  |
| Inpatient- Outpatient clinics | 13.00-14.00 |  |
| Bullous Diseases (2) | 14.00-16.00 | Asst. Prof. Handan BİLEN |
| **Friday** | Grand rounds | 08.00-09.30 |  |
| Inpatient- Outpatient clinics | 10.00-12.00 |  |
| Inpatient- Outpatient clinics | 13.00-14.00 |  |
| Free study | 14.00-16.00 |  |
| **3. WEEK** | | | |
| Monday | Grand rounds | 08.00-09.30 |  |
| Alopecia (2) | 10.00-12.00 | Asst. Prof. Erdal PALA |
| Acne Vulgaris and Rocasea (1)  Reactive Dermatoses (1) | 13.00-14.00  14.00-15.00 | Asst. Prof. Handan BİLEN  Asst. Prof. Handan BİLEN |
| Inpatient- Outpatient clinics | 15.00-16.00 |  |
| Tuesday | Grand rounds | 08.00-09.30 |  |
| Sexually Transmitted Diseases (2) | 10.00-12.00 | Assoc. Prof. Mehmet MELİKOĞLU |
| Parasitic Diseases of the skin (1)  Behçet’s Disease (1) | 13.00-15.00 | Asst. Prof.Merve Hatun ERKAYMAN  Asst. Prof. Erdal PALA |
| Precancerous Lesions and Skin Tumors(2) | 15.00-17.00 | Assoc. Prof. Mehmet MELİKOĞLU |
| Wednesday | Case Based Learning (CBL) III | 08.00-10.00 | Assoc. Prof. Mehmet MELİKOĞLU  Asst. Prof. Handan BİLEN |
| UV Lights and Sun Protection(1) | 10.00-11.00 | Asst. Prof.Merve Hatun ERKAYMAN |
| Cutaneous Drug Reactions (1) | 11.00-12.00 | Asst. Prof. Merve Hatun ERKAYMAN |
| Elective course / Free study |  |  |
| Thursday | Grand rounds | 08.00-09.30 |  |
| Inpatient- Outpatient clinics | 09.30-12.00 |  |
| Inpatient- Outpatient clinics | 13.00-14.00 |  |
| Free Study | 14.00-16.00 |  |
| Friday | Structered Practical (Oral) Examination | 08.00-12.00 |  |
| Theoretical (multiple choice) Examination | 13.00.15.00 |  |
| Post-clerkship feedback meeting | 15.00-16.00 |  |

### 5. MATCHING DERMATOLOGY AND VENEREOLOGY CLERKSHIP LECTURES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING DERMATOLOGY AND VENEREOLOGY CLERKSHIP LECTURES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lecture** | **Teaching Staff** | **Theoretical (hours)** | **Practical (hours)** | **Symptoms/ conditions** | **Clinical problem** | **Basic medical practices** | **BSSH** |
| DERM001 | Skin examination and Morphological Terminology | Asst. Prof Merve H. ERKAYMAN |  | 2 | 1,2,3,6,7 |  | 4,5,8,9 | ---- |
| DERM002 | Elementary Lesions | Asst. Prof Merve H. ERKAYMAN | 2 |  | 1,2,6 | 4, 7, 16,17, 18, 21, 22, 23 | 5,10 | --- |
| DERM003 | Cutaneous Tuberculosis | Asst. Prof Handan BİLEN | 2 |  | 1,2 | 8, 24 | 2,3,5,8,10,12 | 4, 5 |
| DERM004 | Superficial Fungal Infections | Asst. Prof Merve H. ERKAYMAN | 2 | 1 | 2,3,5,7 | 8, 11 | 2,3,5,6,8,10,11 | 1, 2 |
| DERM005 | Urticaria | Asst. Prof. Erdal PALA | 2 | 1 | 2,5,8 | 1, 2, 14, 21 | 3,5,8,11 | -- |
| DERM006 | Pigment Disorders | Asst. Prof. Handan BİLEN | 1 |  | 2 | 8, 22 | 5,8 | -- |
| DERM007 | Syphilis | Asst. Prof. Handan BİLEN | 1 |  | 1,2,3,4,7 | 3, 6, 8, 11 | 2,3,5,8,11,12 | 5, 6 |
| DERM008 | Dermatitis | Assoc. Prof. Mehmet MELİKOĞLU | 2 | 1 | 2,3,5 | 2, 10, | 3,4,5,8,11 | 1, 2 |
| DERM009 | Bullous Diseases | Asst. Prof. Handan BİLEN | 2 | 1 | 1,2,4,5,7 | 16 | 3,4,5,7,8,9,10 | 2 |
| DERM010 | Skin and Soft Tissue Infections | Asst. Prof. Handan BİLEN | 2 | 1 | 2,3 | 8 | 1,3,5,6,7,8,9,11 | 2 |
| DERM011 | Mycosis Fungoides | Assoc. Prof. Mehmet MELİKOĞLU | 1 | 1 | 2,5 | 7, 12 | 5 | --- |
| DERM012 | Precancerous Lesions and Skin Tumors | Assoc. Prof. Mehmet MELİKOĞLU | page290image36802082 | 1 | 2 | 7 | 5,8 | 2 |
| DERM013 | Viral Diseases | Asst. Prof. Merve H. ERKAYMAN | 2 | 1 | 1,2 | 6, 8, 11 | 2,3,5,8,10,11 | 2, 3, 6 |
| DERM014 | Papulosquamous Diseases | Asst. Prof. Erdal PALA | 2 | 1 | 2,3,5,7 | 12,17,19 | 4,5,7,8,9 | 4 |
| DERM015 | Dermatological Emergencies | Asst. Prof. Erdal PALA |  | 2 | 2,5 | 1,2,3,4,16,24 | 5 | --- |
| DERM016 | Connective Tissue Diseases | Asst. Prof. Erdal PALA | 2 |  | 1,2,5,6,7 | 3, 19, 20, 23 | 5,8 | 2, 4 |
| DERM017 | Drug Reactions | Asst. Prof. Merve H. ERKAYMAN | 1 | 1 | 1,2,3,4,5,6,7 | 1,2,12,14,21,23 | 3,5 | 4 |
| DERM018 | Leishmaniasis | Assoc. Prof. Mehmet MELİKOĞLU | page290image57688321 | 1 | 2,8 | 9, 15 | 2,5,10 | 2, 5 |
| DERM019 | Alopecia | Asst. Prof. Erdal PALA | 2 | 1 | 7 | 3, 19, 17, 8 | 5,8 | --- |
| DERM020 | Acne vulgaris andRosacea | Asst. Prof. Handan BİLEN | page290image57744481 | 1 | 2 | 4 | 1,3,5,8 | 2, 4 |
| DERM021 | Reactive Dermatoses | Asst. Prof. Handan BİLEN | page290image57792321 | 1 | 1,2,4,7 | 14, 18 | 3,4,58,9 | 2, 4 |
| DERM022 | Sexually Transmitted Diseases | Assoc. Prof. Mehmet MELİKOĞLU | 2 | 1 | 1,2,4 | 6, 8, 11, | 2,4,5,8,10 | 1, 3, 5, 6 |
| DERM023 | Parasitic Diseases of the skin | Asst. Prof. Merve H. ERKAYMAN | page290image57863041 | 1 | 2,3,5 | 9 | 2,3,5,6,8,10 | 2, 3, 6 |
| DERM024 | Behçet’s Disesase | Asst. Prof. Erdal PALA | 1 | 1 | 1,2,4 | 5 | 5,7,8,9 | 2, 4 |
| DERM025 | UV Lights and Sun Protection | Asst. Prof. Merve H. ERKAYMAN | 1 |  | 2,5 | 2, 7 | 5,8 | 2 |
| DERM028 | Grand rounds | Director of inpatient clinic |  |  |  |  |  |  |
| DERM029 | Inpatient- Outpatient clinics | Responsible trainer |  |  |  |  |  |  |
| DERM030 | Purpose and objectives of the clerkship meeting | Director of Clerkship comission | 1 |  |  |  |  |  |
| DERM031 | Post-clerkship feedback meeting | Director of Clerkship comission | 1 |  |  |  |  |  |

### 6. LEARNING METHODS OF DERMATOLOGY AND VENEREOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF DERMATOLOGY AND VENEREOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Multdisciplined laboratory practices * Bedside education, grand rounds, patient centered structered visits; outpatient and inpatient clinic experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Interdisciplinary learning activities (meetings, panels, group discussions) * Case/problem-based interactive learning activites conducted with small groups (problem based learning,case discussion, clinical tutorials etc) * Independent learning * Multdisciplined laboratory practices |
| **Learning Methods Related with Professionalism:** |
| * Multdisciplined laboratory practices * Critical condition discussions * Student development file (portfolio) * On-the-job learning and assessment |

### 7.SESSION V DERMATOLOGY AND VENEREOLOGY TRAINEE REPORT

Basic medical practical skills of the students will be evaluated by **“Atatürk University Faculty of Medicine Trainee Report”** which is prepared in accordance with learning levels and objectives. After the student has completed basic medical practices, they should get an approval from the responsible trainer and then deliver the Trainee card to the Department.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY SESSION V DERMATOLOGY AND VENEREOLOGY TRAINEE REPORT** | | | |
| **NAME-SURNAME:**  **NUMBER: DATE:…../……/……** | | | |
| **I-Basic Medical Practices** | **Learning Level\*\*** | **Number** | **Approval of Trainer (Date)** |
| **Patient File :** |  |  |  |
| **A. History Taking** |  | | |
| 1. General and problem-oriented history taking | **4** | 5**\*** |  |
| **B. General and Problem-Oriented Physical Examination** | | | |
| Skin examination | **4** | 10\* |  |
| **C. Medical Recording, Reporting ve Notification** | | | |
| Obtaining informed consent | **4** | 4 |  |
| Preparing medical records | **4** | 3 |  |
| Prescribing | **4** | 5\* |  |
| Preparing patient file | **4** | 5\* |  |
| Reporting legally notifiable diseases and condititons | **4** | 1 |  |
| **D. Laboratuvar Testleri ve İlgili Diğer İşlemler** | | | |
| Dekontaminasyon, dezenfeksiyon, sterilizasyon, antisepsi sağlayabilme | **4** | 3 |  |
| Mikroskop kullanabilme | **4** | 3 |  |
| **E. Interventional and noninterventional Practices** | | | |
| Rational drug use | **3** | 1 |  |
| Drainage of soft tissue abscesses | **3** | 1\* |  |
|  |  |  |  |
| **I-Total Score of Basic Medical Practices (out of 5 points)** | | |  |
| **II-Impression about student- Professional Features appropriate for Physician (out of 5 points)**  **(Evaluated by the Department trainers)** | | | |
| **III-Clinical Problem Solving (out of 5 points)**  (Given from the performance shown in **Case Based Learning sessions**) | | |  |
|  | | |  |
|  | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 points)** | | |  |
| **Director of The Clerkship Head of Department**  **Date and signature Date and signature** | | | |
|  | | | |

**\*:** accompanied by teaching staff

\*\*Learning Level

### 8. ASSESSMENT AND EVALUATION METHODS IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP

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| --- |
| **ASSESSMENT AND EVALUATION METHODS IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP** |
| **PRACTICAL –ORAL EXAMINATION** |
| * **Trainee Report: Total** contribution to Practical-oral examination: % 15   + **Basic Medical Practices**(% 5)   + **Professionalism in Medical practices:**Evaluated by faculty members. Trainee’s compliance with the clerkship rules and team work is taken into consideration.Contribution to Practical examination: % 5   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5 points) * **Practical examination:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination: (% 10) * **Oral Examination:** Structured oral Exam (case-based structered questions evaluating clinical decision making and questions evaluating clinical information). Total contribution to Practical-Oral examination(% 75) * Students who score less then 60 points out of 100 from the practical-oral examination, in which the trainee card is also evaluated, are considered failed * Students who fail the practical-oral examination take the make-up exam * Student who fail the practical-oral examination can not take the theoretical (multiple choice) examination |
| **THEORETICAL EXAMINATION** |
| * It consists of 50 multiple choice questions in total. **-** Case-based questions evaluating clinical decision making and questions evaluating clinical information. * Students who score less then 60 points out of 100 from the theoretical (multiple choice) examination are considered failed. * Students who fail the theoretical (multiple choice) examination takes the make-up exam. |
| **SUCCESS GRADE** |
| * It is calculated by taking the average of the scores from the theoretical and practical examinations. |
| **MAKE-UP EXAM** |
| * If students who didn’t take the practical-oral or theoretical examination or failed, does not take the make-up exam too or failed again, he/she is considered as failed from the clerkship. They should take Dermatology clerkship again. |

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| SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED508 |  | **Type** | Compulsory/Elective |
| **Period** | 3 weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **EAR NOSE AND THROAT DISEASES CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Up To Date |
| **2.** | Handbook of Otolaryngology ISBN 9781626234086 |
| **3.** |  |

|  |  |
| --- | --- |
| **EAR NOSE AND THROAT DISEASES CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM** | |
|  | By considering the learning objectives stated in the core training program at the end of the ear, nose and throat diseases internship; to be able to preliminary diagnose and diagnose important, common Ear, nose and throat diseases. |
|  | To be able to perform emergency treatment for ENT by defining Emergencies (such as epistaxis, peripheral facial paralysis, abscess, deep neck infection, sudden hearing loss, nasal fracture, temporal bone fracture, vertigo, foreign body aspiration) |
|  | Within the scope of the education level criteria; to be able to create and apply a treatment plan in necessary clinical situations. |
|  | To ensure the referral of patients when necessary after emergency intervention and treatment. |
|  | To be able to develop communication skills by understanding the importance of establishing patient-physician and physician-physician communication. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. THE EAR NOSE AND THROAT DISEASES CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 3 | 4 | 5 | 4 | 3 | 3 |  | 3 | 3 | 4 | 4 | 4 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 3 | 4 | 5 | 3 | 4 |  |  |  |  | 4 | 4 | 4 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE THE EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the The Ear Nose And Throat Dıseases clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INTERNAL MEDICINE CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Halitosis | 10 | Runny nose / congestion | 19 | Ear pain / discharge |
| 2 | Dry mouth, | 11 | Nose bleeding | 20 | Lymphadenopathy |
| 3 | Wound in the mout | 12 | Balance problems | 21 | Cough |
| 4 | Apnea | 13 | Dysphagia | 22 | Postnasal drip |
| 5 | Fever | 14 | Dyspnea | 23 | Hoarseness |
| 6 | Headache | 15 | Snoring | 24 | Stridor |
| 7 | Dizziness | 16 | Hearing impairments | 25 | Tobacco use |
| 8 | Sore throat | 17 | Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.) | 26 | Foreign body (swallowing / aspiration / ear / nose) |
| 9 | Mass of the neck | 18 | Corrosive exposure | 27 | Swallowing difficulties |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Internal Medicine clerkship period.

|  |  |
| --- | --- |
| **THE EAR NOSE AND THROAT DISEASES CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Laryngeal obstruction 2. Facial paralysis 3. Foreign body related problems 4. Nose bleeding 5. Tracheotomy |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Meniere's diseas 2. Head and neck tumors 3. Adenoid hypertrophy 4. Otosclerosis 5. Sleep-Apnea syndrome 6. Vestibular neuritis 7. Septum deviation |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Perforation of the eardrum 2. Foreign body related problems 3. Sudden hearing loss 4. Facial paralysis 5. Salivary Gland Diseases |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 1. Allergic rhinitis 2. Diphtheria 3. Mumps 4. Moniliyasis 5. Vehicle motion sickness 6. Upper respiratory infections 7. Benign paroxysmal positional vertigo 8. Otitis externa 9. Otitis media 10. Sinusitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Allergic rhinitis 2. Diphtheria 3. Mumps 4. Moniliyasis 5. Otitis externa 6. Otitis media 7. Upper respiratory infections 8. Head and neck tumors |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the ear nose and throat dıseases Clerkship period.

|  |  |
| --- | --- |
| **EAR NOSE AND THROAT DISEASES CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | ------- |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | ------- |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 1. Head ‐ neck and ENT examination  2. "Airway" application  3. Ability to put and take anterior nasal tampon  4. Opening a skin and soft tissue abscess  5. To be able to take a biological sample from the patient  6. Ability to remove the foreign body in the airway with the appropriate maneuver  7. To be able to apply Rinne ‐ Weber and Schwabach tests  8. To be able to provide health education to the society  9. To be able to fight infectious diseases in the society  10. To be able to evaluate nystagmus examination and vestibular system  11. To be able to read and evaluate direct radiographs  12. To be able to evaluate audiological tests  13. To be able to apply Dix Hallpike test and Epley maneuver |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 14. To be able to take an anamnesis for general and disease  15. To evaluate mental state  16. Respiratory system examination  17. To be able to inform the patient, to get consent  18. Being able to prepare epicrisis  19. To prepare patient file  20. To be able to issue a recipe  21. To be able to prepare refusal of treatment document  22. Being able to apply the principles of working with biological material  23. To be able to provide decontamination, disinfection, sterilization, antisepsis.  24. Filling out the request form for laboratory examination  25. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory.  26. Hand washing  27. To be able to apply oxygen and nebul ‐ inhaler treatment  28. To be able to use rational laboratory and imaging method |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the ear nose and throat dıseases clerkship period

|  |  |
| --- | --- |
| **EAR NOSE AND THROAT DISEASES CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | 2. Addiction  a. Alcohol  b. Tobacco |
|  |  |
|  | 4. Work and health interaction  a. Occupational diseases  b. Work-related diseases  f. Accidents at work |
|  |  |
|  | Environment and health interaction  b. Space and health  e. Exposure to harmful environmental factors (air pollution, water pollution, chemicals, biocidal products, endocrine disrupter, wastes, etc.) |
|  | 13. Accidents  a. Home accidents  b. Traffic accidents  c. Accidents at work |
|  | 25. Health conditions  a. Nutrition  b. Physical, mental activity and exercise  c. Sedentary life  k. Mouth-dental health |
|  | 1. Technology and health interaction  d. Current diagnostic-treatment tools |
|  | 1. Professionalism in Medicine  a. Social accountability  b. Honesty, respect for privacy, truth telling, respect for privacy  c. Professional values, professional identity development and historical perspective, being open to professional and individual development  D. Professional domination / organization / autonomy  to. Defending health and profession |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **EAR NOSE AND THROAT DISEASES** **CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. |

### 4. EAR NOSE AND THROAT DISEASES CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP- WEEKLY COURSE PROGRAM** | | | |
| **DAYS** | **THE SUBJECT OF THE COURSE** | **TIME** | **LECTURER** |
| **Monday** | **1. Week** | | |
| Information about internship and professional values in clinical applications | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Semiology | 09.00-10.00 | Assoc. Prof. Dr. M.S. SAKAT |
| Clinical practice in the patient | 10.00-11.00 | Assoc. Prof. Dr. M.S. GÖZELER |
| Independent Working Hour | 11.00-12.00 |  |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Tuesday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Case-Based Learning (CBL) Session 1 | 09.00-12.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-15.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Tonsillopharyngeal Infections | 15.00-16.00 | Prof. Dr. B. AKTAN |
| Tinnitus | 16.00-17.00 | Assoc. Prof. Dr. A.TATAR |
| **Wednesday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Head-Neck Congenital Anomalies | 09.00-10.00 | Assoc. Prof. Dr. M.S. GOZELER |
| Independent Working Hour | 10.00-11.00 |  |
| ENT Medicine and ethics | 11.00-12.00 | Prof. Dr. Bülent Aktan |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Thursday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 09.00-10.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| ENT Emergencies I | 10.00-11.00 | Assist. Prof Dr. Abdulkadir Şahin |
| Independent Working Hour | 11.00-12.00 |  |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-16.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Otitis Media with Effusion | 16.00-17.00 | Prof. Dr. Ö. YÖRÜK |
| **Friday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Independent Working Hour | 09.00-10.00 |  |
| Nasofarenx Tumors | 10.00-11.00 | Assoc. Prof. Dr. V. MUTLU |
| Deep Neck Infections | 11.00-12.00 | Assoc. Prof. Dr. A.TATAR |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Monday** | **2. Week** | | |
| Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Management of Neck Masses | 09.00-10.00 | Assoc. Prof. Dr. K. KILIÇ |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 10.00-12.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Lip and Oral Cavity Cancers | 14.00-15.00 | Assoc. Prof. Dr. Z. KAYA |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 15.00-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Tuesday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Case-Based Learning (CBL) Session 2 | 09.00-12.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Audiology | 14.00-15.00 | Assoc. Prof. Dr. V. MUTLU |
| Meniere's Disease | 15.00-16.00 | Prof. Dr. B. AKTAN |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 16.00-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Wednesday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Acute and Chronic Sinusitis | 09.00-10.00 | Assoc. Prof. Dr. M.S. SAKAT |
| Laryngeal Diseases | 10.00-11.00 | Prof. Dr. Ö. YÖRÜK |
| Independent Working Hour | 11.00-12.00 |  |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-15.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Thursday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Independent Working Hour | 09.00-10.00 |  |
| Salivary Gland Diseases | 10.00-11.00 | Prof. Dr. B. AKTAN |
| Sleep Apne Syndrome | 11.00-12.00 | Assoc. Prof. Dr. Z. KAYA |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Friday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Independent Working Hour | 09.00-10.00 |  |
| Otosclerosis | 10.00-11.00 | Assoc. Prof. Dr. A.TATAR |
| Hearing losses | 11.00-12.00 | Assoc. Prof. Dr. K. KILIÇ |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Monday** | **3. Week** | | |
| Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Independent Working Hour | 09.00-10.00 |  |
| External Ear Diseases | 10.00-11.00 | Assoc. Prof. Dr. M.S. GÖZELER |
| ENT Emergencies II | 11.00-12.00 | Assist. Prof Dr. Abdulkadir Şahin |
| Facial Nerve Diseases | 14.00-15.00 | Assoc. Prof. Dr. Z. KAYA |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 15.00-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Tuesday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Acute and Chronic Otitis Media | 09.00-10.00 | Assoc. Prof. Dr. K.KILIÇ |
| Nasal Cavity and Paranasal Sinus Tumors | 10.00-11.00 | Assoc. Prof. Dr. V. MUTLU |
| Independent Working Hour | 11.00-12.00 |  |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-15.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Case-Based Learning (CBL) Session 3 | 15.00-17.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Wednesday** | Visit | 08.00-09.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| Vertigo | 09.00-10.00 | Assoc. Prof. Dr. M.S. SAKAT |
| Causes of Nasal Obstruction | 10.00-11.00 | Prof. Dr. Ö. YÖRÜK |
| Independent Working Hour | 11.00-12.00 |  |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  S Block (Group 3) | 13.30-15.00 | Dr. Aktan, Yörük, Tatar, Mutlu, Gözeler, Sakat, Kılıç, Kaya, Sahin will take task turns alternately |
| **Thursday** | Independent Working Hour | 08.00-17.00 |  |
| **Friday** | Oral examination | 09.30-12.00 | ENT Department S Block |
| Written examination | 13.30-14.30 | ENT Department Seminar Room |
| Post-clerkship feedback meeting | 15.00-17.00 | ENT Department Seminar Room |

### 5. MATCHING EAR NOSE AND THROAT DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING EAR NOSE AND THROAT DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** | |
| KBB001 | ENT Examination and Semiology | Doç. Dr. M.S. GÖZELER | 1 | 1 | 1, 3, 4, 9, 10, 11, 19,  20, 23, 26 | Hepsi | 1, 18, 20, 28 | 25k, 29d, 30a, 30b, 30c, 30d, 30e | |
| KBB002 | Nasopharyngeal Tumors | Doç. Dr. V. MUTLU | 1 |  | 1, 9, 10, 11, 16, 17, 20, 22, 25 | 4, 7 | 1, 5, 16, 18, 19, 24, 28 | 2a, 2b, 5e, 25a, 25k, 29d | |
| KBB003 | Audiology | Doç. Dr. V. MUTLU | 1 |  | 12, 16 | 6, 9, 11, 15 | 1, 7, 10, 12, 18, 19 | 4a, 4b, 5b, 29d, 30a, 30b, 30c, 30d, 30e | |
| KBB004 | Tonsillopharyngeal Infections | Prof. Dr. B. AKTAN | 1 |  | 1, 3, 5, 8, 9, 13, 14, 15, 17, 18, 25, 27 | 8, 10, 19, 23 | 1, 5, 8, 9, 18, 19, 20, 24, 26, 28 | 2a, 2b, 4a, 4b, 5b, 25a, 25k, 30a, 30b, 30c, 30e | |
| KBB005 | Nasal and Paranasal Sinus Tumors | Doç. Dr. V. MUTLU | 1 |  | 2, 10, 11, 14, 15, 22, 25 | 4, 7, 12, 18, 27 | 1, 5, 11, 14, 16, 18, 19, 20, 24, 28 | 2a, 2b, 4a, 4b, 5b, 5e,  29d | |
| KBB006 | Salivary Gland Diseases | Prof. Dr. B. AKTAN | 1 |  | 1, 2, 5, 9, 20 | 2, 7, 16, 17, 20 | 1, 5, 8, 9, 11, 18, 19, 20, 21, 23, 24, 25, 28 | 2a, 2b, 5e, 25a, 25b, 25c, 25k, 29d, 30b, 30c | |
| KBB007 | Facial Nerve Diseases | Doç. Dr. Z. KAYA | 1 |  | 19 | 2, 16, 20, 26, 33 | 1, 11, 12, 14, 15, 17, 18, 19, 20, 28 | 4f, 5b, 13a, 13b, 13c,  25b, 29d | |
| KBB008 | vertigo | Doç. Dr. M.S. SAKAT | 1 |  | 7, 12 | 6, 11, 24, 33 | 1, 8, 10, 12, 13, 14, 15, 17, 18, 19,  20, 21 | 5b, 13a, 13b, 13c, 25a, 25b, 25c, 29d, 30c, 30d | |
| KBB009 | Lip and Oral Cavity Cancers | Doç. Dr. Z. KAYA | 1 |  | 1, 3, 13, 14, 15, 17, 20, 25, 27 | 7, 10, 35 | 1, 2, 5, 8, 14, 16, 17, 18, 19, 20,  21, 26, 28 | 2a, 2b, 4a, 4b, 5b, 5e,  25k, 29d, 30a, 30b, 30c | |
| KBB010 | Outer Ear Diseases | Doç. Dr. M.S. GÖZELER | 1 |  | 16, 19, 26 | 3, 25, 32 | 1, 5, 8, 18, 19, 20, 22, 23, 24, 25, 26 | 4a, 4b, 5b, 5e, 25b | |
| KBB011 | Acute and Chronic Otitis Media | Doç. Dr. K.KILIÇ | 1 |  | 5, 7, 12, 16, 19 | 2, 13, 26, 33 | 1, 5, 8, 12, 14, 17,18, 19, 20, 22, 23, 24, 25, 26, 28 | 29d | |
| KBB012 | Meniere's Disease | Prof. Dr. B. AKTAN | 1 |  | 7, 12, 16 | 6, 9, 11, 15, 24 | 1, 7, 10, 12, 14, 15, 17, 18, 19, 20, 21 | 25a, 25b, 29d, 30a, 30b, 30c, 30d, 30e | |
| KBB013 | Laryngeal Diseases | Prof. Dr. Ö. YÖRÜK | 1 |  | 1, 4, 5, 8, 9, 13, 14,  17, 18, 20, 21, 23,  24, 25, 27 | 1, 5, 7, 10, 19, 21,  23, 35 | 1, 5, 8, 14, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28 | 2a, 2b, 4a, 4b, 4e, 29d, 30b, 30c | |
| KBB014 | Obstructive Sleep Apnea Syndrome | Doç. Dr. Z. KAYA | 1 |  | 4, 15 | 5, 8, 10, 14 | 1, 8, 11, 14, 16, 17, 18, 19, 20, 21 | 2a, 2b, 4f, 5b, 13a, 13b, 13c, 25a, 25b, 25c, 29d | |
| KBB015 | Acute and Chronic Sinusitis | Doç. Dr. M.S. SAKAT | 1 |  | 1, 5, 6, 10, 21, 22,  25, 26 | 3, 4, 14, 27 | 1, 3, 5, 8, 11, 16, 17,  18, 19, 20, 21, 22, 24, 25, 26, 28 | 5b, 29d | |
| KBB016 | ENT Emergencies-I | Op. Dr. Abdulkadir Şahin | 1 |  | 4, 5, 6, 7, 8, 9, 11,  12, 13, 14, 16,  18, 19, 24, 26, 27 | 1, 2, 3, 4, 5, 13, 14,  15, 16, 32, 33 | Hepsi | 4f, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e | |
| KBB017 | Head-Neck Congenital Anomalies | Doç. Dr. M.S. SAKAT | 1 |  | 4, 8, 9, 13, 14, 15,  17, 23, 24, 27 | 1, 2, 5, 7, 10, 19, 23 | 1, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 | 5e, 29, d, 30a, 30b, 30c, 30d, 30e | |
| KBB018 | Deep Neck Infections | Doç. Dr. A.TATAR | 1 |  | 5, 8, 9, 13, 14, 17,  20, 27 | 5, 7, 17, 19, 20,  23, 35 | 1, 4, 8, 9, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25,  26, 28 | 4f, 5e, 13a, 13b, 13c,  25k, 29d | |
| KBB019 | otosclerosis | Doç. Dr. A.TATAR | 1 |  | 16 | 9, 33 | 1, 7, 12, 14, 18, 19 | 29d | |
| KBB020 | ENT Emergencies-II | Op. Dr. Abdulkadir Şahin | 1 |  | 4, 5, 6, 7, 8, 9, 11,  12, 13, 14, 16,  18, 19, 24, 26, 27 | 1, 2, 3, 4, 5, 13, 14,  15, 16, 32, 33 | Hepsi | 4f, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e | |
| KBB021 | Hearing Loss | Doç. Dr. K. KILIÇ | 1 |  | 16, 17, 19 | 3, 6, 9, 13, 15, 20,  25, 26, 30, 32, 33 | 1, 7, 8, 9, 11, 12, 14, 17, 18, 19, 20 | 4a, 4b, 4f, 5b, 5e, 13a,  13b, 13c, 29d, 30a, 30b,  30c, 30d, 30e | |
| KBB022 | Approach to Head and Neck Masses | Doç. Dr. K. KILIÇ | 1 |  | 5, 8, 9, 19, 20,  23, 24, 27 | 5, 7, 10, 23, 29, 30,  34, 35 | 1, 4, 5, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24,  25, 26, 28 | 25k, 29d, 30a, 30b,  30c, 30d, 30e | |
| KBB023 | Tinnitus | Doç. Dr. A.TATAR | 1 |  | 7, 12, 16 | 6, 9, 33 | 1, 7, 8, 12, 14, 15, 18, 19, 20, 21 | 2a, 2b, 4a, 4b, 4f, 5b, 5e,  25a, 29d | |
| KBB024 | Causes of Nasal Obstruction | Prof. Dr. Ö. YÖRÜK | 1 |  | 1, 2, 3, 6, 8, 10, 11,  14, 15, 17, 22 | 3, 4, 8, 10, 12,  18, 34 | 1, 3, 5, 6, 8, 11, 14, 16, 17, 18, 19, 2, 21, 22, 23, 24, 25, 26, 28 | 4a, 4b, 5b, 13a, 13b, 13c,  29d | |
| KBB025 | Secretary Otitis Media | Prof. Dr. Ö. YÖRÜK | 1 |  | 16, 17 | 7, 8, 12, 18, 23, 32 | 1, 7, 11, 12, 14, 17, 18, 19, 20 | 2a, 2b, 29d | |
| KBB026 | Service Visit | ENT teachıng members |  |  |  |  |  |  | |
| KBB027 | Polyclinic / Operating Room Applications | ENT teachıng members |  |  |  |  |  |  | |
| KBB028 | Information about internship and Ethical and Professional Values meeting in Clinical Practices | Prof. Dr. B. AKTAN | 1 |  |  |  |  |  | |
| KBB029 | Post-internship feedback meeting |  | 1 |  |  |  |  |  | |

### 6. LEARNING METHODS OF EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM

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| **LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application |

### 7. “STUDENT TRAINEE REPORT” FOR EAR NOSE AND THROAT DISEASES CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP STUDENT TRAINEE REPORT** | | | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** | |
| **A. Taking Anamnesis** | | | | | |
| To be able to take general and problematic stories | **4** | **3\*** |  | |
|  |  |  |  | |
| **B. Physical Examination (General and Problem-Oriented)** | | | | | |
| Head ‐ neck and ENT examination | **3** | 3\* |  | |
| To be able to apply Rinne ‐ Weber and Schwabach tests | **3** | 3\* |  | |
| To be able to interpret the results of screening and diagnostic purposes |  |  |  | |
| **C. Registration, Reporting and Notification** | | | | | |
| Writing prescriptions | **4** | 3\* |  | |
| Preparing a patient file | **4** | 3 |  | |
| **D. Laboratory Tests and Other Related Processes** | | | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | **4** | 3 |  | |
| Filling the request form for laboratory examination | **4** | 3 |  | |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 3\* |  | |
| **E. Interventional and Non-Interventional Applications** | | | | | |
| Be able to put and receive anterior nasal packing | **3** | 1\*° |  | |
| Ability to remove the foreign body in the airway with the appropriate maneuver | **3** | 1° |  | |
| To be able to apply oxygen and nebul ‐ inhaler treatment | **4** | 2° |  | |
| Removal of the plugs and foreign bodies in the outer ear canal by appropriate intervention | **3** | 1° |  | |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | | |  | |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | | |  | |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | | |  | |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | | |  | |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN EAR NOSE AND THROAT DISEASES CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN EAR NOSE AND THROAT DISEASES CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V INFECTION DISEASES CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED503 |  | **Type** | Compulsory/Elective |
| **Period** | 8 weeks |  | **ECTS** | 12 |

|  |  |
| --- | --- |
| **INFECTION DISEASES CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Infectious Diseases Book |
| **2.** | Infectious Diseases and Microbiology Book |
| **3.** | Internal Diseases Semiology Book |
| **4.** | UptoDate |

|  |  |
| --- | --- |
| **INFECTION DISEASES CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. INFECTION DISEASES CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE INFECTION DISEASES CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis and diagnosis of important and common infectious diseases by considering the learning objectives specified in the core education program at the end of the infectious diseases internship. |
|  | To be able to perform emergency treatment by identifying emergency situations (sepsis, meningitis, etc.) for infectious diseases and to provide referral when necessary. |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide referral when necessary after emergency intervention and treatment |
|  | Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |
|  | To gain ability to interpret biological and serological markers in infectious diseases and evaluate routine laboratory results. |

### 2. INFECTION DISEASES CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| Contribution levels | 5 | 3 | 5 | 3 | 4 | 5 | 4 | 5 | 2 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 2 | 2 |
| Program Qualifications | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| Contribution levels | 3 | 3 | 3 | 2 | 4 | 2 | 2 | 4 |  | 3 | 3 | 3 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE INFECTION DISEASES CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Infection Diseases clerkship period

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INFECTION DISEASES CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | | |
| 1 | Fever | 12 | Diarrhea | 23 | Colic pains (renal, biliary, intestinal) |
| 2 | Dizziness | 13 | Dysuria | 24 | lymphadenopathy |
| 3 | Headache | 14 | Joint pain / swelling | 25 | Petechia, purpura, ecchymosis |
| 4 | consciousness changes | 15 | Movement restriction in joints | 26 | Pollacuria / Nocturia hepatomegaly |
| 5 | Throat ache | 16 | Weakness | 27 | Jaundice |
| 6 | Mass on the neck | 17 | hematuria | 28 | Splenomegaly |
| 7 | Nausea and vomiting | 18 | hepatomegaly Colic pains (renal, biliary, intestinal) | 29 | Tetani |
| 8 | Runny nose / congestion | 19 | Hypothermia /Hyperthermia | 30 | Flank pain |
| 9 | Nose bleeding | 20 | Abdominal pain tetany | 31 | ptosis |
| 10 | Double vision | 21 | Musculoskeletal pain (waist, neck, back, hip and limb pain) |  |  |
| 11 | Skin rashes / lesions (maculopapular, bullous, vesicular) | 22 | Weight loss |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Infection Diseases clerkship period.

|  |  |
| --- | --- |
| **INFECTION DISEASES CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 3. Food Poisoning  5. Dehydration  8. Gastroenteritis  11. Central nervous system infections  13. Crimean Congo hemorrhagic fever  17. Sepsis  19. Tetanus |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 18. Malaria  16. Anthrax  15. Rabies  14. Chronic hepatitis  1. HIV infection |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 2. Acute hepatitis  19. Tetanus  13. Crimean Congo hemorrhagic fever |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 21. Upper respiratory infections  20. Urinary system infections  8. Gastroenteritis  7. Rash rash infectious diseases  6. Skin soft tissue infections, abscesses  5. Dehydration  4. Brucellosis  9. Gastrointestinal system parasitoses  10. Influenza |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 21. Upper respiratory infections  1. HIV infection  3. Food poisoning  4. Brucellosis  5. Dehydration  6. Skin soft tissue infections, abscesses  7. Rash rash infectious diseases  8. Gastroenteritis  9. Gastrointestinal system parasitoses  10. Influenza  13. Crimean Congo hemorrhagic fever  14. Chronic hepatitis  15. Rabies  16. Anthrax  18. Malaria  21. Upper respiratory infections |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | - |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Infection Diseases clerkship period.

|  |  |
| --- | --- |
| **INFECTION DISEASES CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 16.Ability to perform lumbar puncture |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | ----- |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 3. Head-neck and ENT examination  11. To interpret the results of screening and diagnostic purposes  15. Removal of ticks  Combating communicable diseases in society  19. Being able to apply the principles of evidence-based medicine in the clinical decision making process.  20. Immunity in childhood and adults immunization |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 1. To be able to take general and problematic stories  2. To be able to evaluate mental state  3. Head-neck and ENT examination  4. Abdominal examination  5. Skin examination  6. General situation and evaluation of vital signs  7. To prepare patient file  8. Reporting and reporting legally notifiable diseases and conditions  9. To be able to prepare a recipe  10. Filling the request form for laboratory examination  11. To interpret the results of screening and diagnostic purposes  12. Rational drug use  13. Hand washing  14. To be able to request rational laboratory and imaging examination |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Infection Diseases period

|  |  |
| --- | --- |
| **INFECTION DISEASES CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **1. Combating infectious diseases in the community** |
|  |  |
|  |  |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Infection Diseases clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **INFECTION DISEASES CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. INFECTION DISEASES CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION V INFECTION DISEASES CLERKSHIP- WEEKLY COURSE PROGRAM** | | | |
| **Days** | | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **Monday** | | **1. Week** | | | |
| HOLIDAY | | |
| **Tuesday** | | Service work | 08.00-09.00 |  |
| Laboratory diagnosis in infectious diseases | 09.00-10.00 | Assoc. Prof. Handan Alay |
| Ways of transmission and prevention of inf. | 10.15-11.15 | Proff. Ayşe Albayrak |
| Seminar hour | 13.00-13.30 |  |
| Principles of taking anamnesis (Practice) | 13.30-14.30 | Assoc. Prof. Emine Parlak |
| Independent Working hours | 15.45-17.00 |  |
| **Wednesday** | | Service work | 08.00-09.00 |  |
| Head and neck examination (Practical) | 09.00-10.00 | Assoc. Prof. Fatma Kesmez Can |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
| Hepatitis (1) | 13.30-14.30 | Assoc. Prof. Emine Parlak |
| Hepatitis (2) | 14.45-15.45 | Assoc. Prof. Emine Parlak |
| Independent Working hours | 15.45-17.00 |  |
| **Thursday** | | Service work | 08.00-09.00 |  |
| Approach to the patient with rash | 09.00-10.15 | Proff. Ayşe Albayrak |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
| Sepsis-1 | 13.30-14.30 | Assoc. Prof. Handan Alay |
| Sepsis-2 | 14.45-15.45 | Assoc. Prof. Handan Alay |
| Independent Working hours | 15.45-17.00 |  |
| **Friday** | | Service work | 08.00-09.00 |  |
| Antibiotic Use Principles | 09.00-10.15 | Proff. Zülal Özkurt |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
| Rabies-1 | 13.30-14.30 | Proff. Ayşe Albayrak |
| Rabies-2 | 14.45-15.45 | Proff. Ayşe Albayrak |
| Independent Working hours | 15.45-17.00 |  |
| **Monday** | | **2. Week** | | | |
| Service work | 08.00-09.00 |  |
| Dysentery | 09.00-10.00 | Proff. Ayşe Albayrak |
| Case-Based Learning (CBL) -1. Session | 10.15-11.15 | CBL Lecturer in Charge |
| Visit and patient education | 11.20-12.00 | Service Faculty Member |
| Food Poisoning and Salmonella Infections-1 | 13.30-14.30 | Proff. Zülal Özkurt |
| Importance and prevention of hospital infections | 14.45-15.45 | Proff. Ayşe Albayrak |
| Independent Working hours | 15.45-17.00 |  |
| **Tuesday** | | Service work | 08.00-09.00 |  |
| Tetanus | 09.00-10.00 | Proff. Kemalettin Özden |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
| Seminar hour | 13.00-13.30 |  |
| AIDS (HIV infections)-1 | 13.30-14.30 | Assoc. Prof. Emine Parlak |
| AIDS (HIV infections)-2 | 14.45-15.45 | Assoc. Prof. Emine Parlak |
| Independent Working hours | 15.45-17.00 |  |
| **Wednesday** | | Service work | 08.00-09.00 |  |
| Food Poisoning and Salmonella Infections-2 | 09.00-10.00 | Proff. Zülal Özkurt |
| Intestinal Parasites | 10.15-11.15 | Proff. Zülal Özkurt |
| Visit and patient education | 11.20-12.00 | Service Faculty Member |
| Upper Respiratory Infections and COVID-19 | 13.30-14.30 | Proff. Ayşe Albayrak |
| Fever, fever of unknown origin and approach to the patient with fever | 14.45-15.45 | Assoc. Prof. Emine Parlak |
| Independent Working hours | 15.45-17.00 |  |
| **Thursday** | | Service work | 08.00-09.00 |  |
| Abdominal examination (Practical) | 09.00-10.00 | Assoc. Prof. Handan Alay |
| Case-Based Learning (CBL) -2. Session | 10.15-11.15 | CBL Lecturer in Charge |
| Visit and patient education | 11.20-12.00 | Service Faculty Member |
| Brucellosis | 13.30-14.30 | Proff. Kemalettin Özden |
| Urinary System Infections | 14.45-15.45 | Proff. Kemalettin Özden |
| Independent Working hours | 15.45-17.00 |  |
| **Friday** | | Service work | 08.00-09.00 |  |
| Malaria | 09.00-10.00 | Assoc. Prof. Fatma Kesmez Can |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
| Approach to the patient with meningitis (Practical) | 13.30-14.30 | Assoc. Prof. Fatma Kesmez Can |
| Approach to the patient with icterus | 14.45-15.45 | Proff. Kemalettin Özden |
| Independent Working hours | 15.45-17.00 |  |
| **Monday** | | **3. Week** | | | |
| Service work | 08.00-09.00 |  |
| Meningitis And Meningoencephalitis 1 | 09.00-10.00 | Assoc. Prof. Fatma Kesmez Can |
| Meningitis and Meningoencephalitis 2 | 10.15-11.15 | Assoc. Prof. Fatma Kesmez Can |
| Visit and patient education | 11.20-12.00 | Service Faculty Member |
| Spill viral. inf. Diseases, mumps -1 | 13.30-14.30 | Proff. Kemalettin Özden |
| Spill viral. inf. Diseases, mumps -2 | 14.45-15.45 | Proff. Kemalettin Özden |
| Independent Working hours | 15.45-17.00 |  |
| **Tuesday** | | Service work | 08.00-09.00 |  |
| Diabetic foot infections | 09.00-10.00 | Proff. Kemalettin Özden |
| Crimean-Congo Hemorrhagic Fever | 10.15-11.15 | Proff. Zülal Özkurt |
| Visit and patient education | 11.20-12.00 | Service Faculty Member |
| Seminar hour | 13.00-13.30 |  |
| Anthrax and tularemia and biological warfare-1 | 13.30-14.30 | Proff. Zülal Özkurt |
| Anthrax and tularemia and biological warfare-2 | 14.45-15.45 | Proff. Zülal Özkurt |
| Independent Working hours | 15.45-17.00 |  |
| **Wednesday** | | Service work | 08.00-09.00 |  |
| Approach to the patient with lymphadenopathy (Practical) | 09.00-10.00 | Assoc. Prof. Fatma Kesmez Can |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
| Case-Based Learning (CBL) -3. Session | 13.30-14.30 | CBL Lecturer in Charge |
| Approach to Diarrhea Patient and Dehydration Treatment | 14.45-15.45 | Assoc. Prof. Handan Alay |
| Independent Working hours |  |  |
| **Thursday** | | Service work | 08.00-09.00 |  |
| Adult immunization and prophylaxis | 09.00-10.00 | Assoc. Prof. Handan Alay |
| Visit and patient education | 10.30-12.00 | Service Faculty Member |
|  |  |  |
|  |  |  |
|  |  |  |
| **Friday** | | Practical Exam at the end of Internship | 09.00-10.00 |  |
| End of Internship Theoretical Exam | 13.30-14.30 |  |
| Post-internship Feedback Meeting |  | CBL Lecturer in Charge |

***Note:*** Classes will be held between 09.00 – 10.00 in the morning and 13.30 – 15.45 in the afternoon. Other hours, bedside training and practical applications are applied alternately by the faculty members in the department.

### 5. MATCHING INFECTION DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | |  |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| EH001 | Enf.Hastalıklarına genel bakış ve bulaşma yolları | **Fatma Can** | 1 |  | 1,8,9,11,12,27, | 1,2,4,7,10,12,13,14,15,16,18,21 | 1,6,13,17,18 |  |
| EH002 | Ateş, nedeni bilinmeyen ateş ve ateşli hastaya yaklaşım | Emine Parlak | 1 |  | 1,2,3,4,11,14,15,19,30 | 1,4,7,10,17 | 1,2,6 |  |
| EH003 | Üst Solunum Yolu Enfeksiyonları | Ayşe Albayrak | 1 |  | 1,3,8,14,21 | 10,21 | 1,2,3,6,7,9,11,20 | 1 |
| EH004 | Enfeksiyon hastalıklarında laboratuvar tanı | Handan Alay | 1 |  | 1,4,17,23,27,30 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21 | 19,20,10,11 |  |
| EH005 | Sepsis | Handan Alay | 2 |  | 1,4,23,25,30 | 17 | 1,2,3,4,5,6,7,12,19 |  |
| EH006 | Hepatitler | Mehmet parlak | 2 |  | 7,16,27 | 2,14 | 17,19 |  |
| EH007 | Baş-boyun muayenesi | Fatma Can |  | 1 | 1,6,24 | 7,10,12,13,21 | 3 |  |
| EH008 | Lenfadenopatili hastaya yaklaşım | Fatma Can |  | 1 | 1,6,24 | 1,4,13 | 3 |  |
| EH009 | Viral dök. Enf. Hastalıkları, kabakulak | Kemalettin Özden | 2 |  | 1,11,25 | 7 | 5 | 1 |
| EH010 | Kuduz | Ayşe Albayrak | 2 |  | 19,4 | 15 | 1,8,19,20 | 1 |
| EH011 | Döküntülü hastaya yaklaşım | Ayşe Albayrak |  | 1 | 1,11,25 | 7 | 5 | 1 |
| EH012 | Antibiyotik Kullanma Prensibleri | Mehmet Parlak | 1 |  | 4,13,17,23,30 | 3,4,8,9,11,16,17,20,21 | 9 |  |
| EH013 | Dizanteriler | Ayşe Albayrak | page290image36802081 |  | 1,12,23 | 5,8 | 4,6,9 | 1 |
| EH014 | Tifo ve Paratifolar | Zülal Özkurt | 1 |  | 1,12,18,28 |  | 4,6 |  |
| EH015 | Hastane Enfeksiyonlarının Önemi ve Önlenmesi | Ayşe Albayrak | 1 |  |  |  | 13,17 |  |
| EH016 | Ishalli hastaya yaklaşım ve Dehidratasyon Tedavisi | Handan Alay | 1 |  | 1,7,12,20,23, | 5,8 | 1,2,6,14,9 |  |
| EH017 | Barsak Parazitleri | Zülal Özkurt | 1 |  | 12,20 | 9 | 9 |  |
| EH018 | Besin Zehirlenmeleri | Zülal Özkurt | 1 |  | 1,32,3,7,12,20 | 3 | 1,2,6,14,9 | 1 |
| EH019 | Batın muayenesi | Fatma Can | page290image5768832 | 1 | 1,32,3,7,12,20 | 2,14 | 4 |  |
| EH020 | Anamnez alma prensipleri | Emine Parlak |  | 1 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21 | 1,2,6 |  |
| EH021 | Üriner Sistem Enfeksiyonları | Kemalettin Özden | page290image57744481 |  | 1,13,17,23,26,30 | 20, | 1,6,9,12 |  |
| EH022 | AIDS (HIV enfeksiyonları) | Emine Parlak | page290image57792322 |  | 1,2416 | 1 | 311,14,18 | 1 |
| EH023 | Menenjitli hastaya yaklaşım | Handan Alay |  | 1 | 1,2,3,4,10, | 11 | 1,2,3,6,7,12,16 |  |
| EH024 | Ikterli hastaya yaklaşım | Kemalettin Özden | page290image57863041 |  | 27 | 2,14 | 1,6,11,17 |  |
| EH025 | Kırım Kongo Hemorajik Ateşi | Zülal Özkurt | 1 | 1 | 1,2,3,5,7,8,9,11,12,16,17,20,21,25 | 13 | 1,6,11,17 | 1 |
| EH026 | Sıtma | Fatma Can | 1 |  | 1,12,20,25 | 18 | 1,6,11,17 | 1 |
| EH027 | Diyabetik ayak enfeksiyonları | Emine Parlak | 1 |  | 11 | 6 | 1,6,7,10,11 |  |
| EH028 | Tetanoz | Kemalettin Özden | 1 |  | 29 | 19 | 1,3,6,20 |  |
| EH029 | Şarbon ve tularemi ve biyolojik savaş | Zülal Özkurt | 2 |  | 11 | 16 | 1,6,14,17,18 | 1 |
| EH030 | Menenjit Ve Menengoensefalitler | Mehmet Parlak | 2 |  | 1,2,3,4,10 | 11 | 1,2,3,6,7,9,10,11,12,14,16,19 |  |
| EH031 | Kemoprofilaksi ve immunoproflaksi | Mehmet Parlak | 1 |  | 1,4,11,30 | 10,11,19 | 20 |  |
| EH032 | Bruselloz | Kemalettin Özden | 1 |  | 1,14,15,2118,28 | 4 | 1,4,9 | 1 |
| EH033 | Servis Viziti | Servis sorumlu öğretim üyesi |  | 28 |  |  |  |  |
| EH034 | Staj amaç ve hedeflerinin bildirilmesi toplantısı | Pdö sorumlu öğretim üyesi | 1 |  |  |  |  |  |
| EH035 | Staj sonrası geribildirim toplantısı | Pdö sorumlu öğretim üyesi | 1 |  |  |  |  |  |

### 6. LEARNING METHODS OF INFECTION DISEASES CLERKSHIP PROGRAM

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| **LEARNING METHODS OF INFECTION DISEASES CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Written visual texts readings and interpretations |

### 7. “STUDENT TRAINEE REPORT” FOR INFECTION DISEASES CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V INFECTION DISEASES CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** |  | | |
| To be able to take general and problematic stories | **4** | **3\*** |  |
| To evaluate the mental situation | **4** | **3** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Head ‐ neck and ENT examination | **3** | 3\* |  |
| Abdominal examination | **4** | 3\* |  |
| Skin examination | **4** | 3 |  |
| Evaluation of general condition and vital signs | **4** |  |  |
| **C. Registration, Reporting and Notification** | | | |
| Writing prescriptions | **4** | 3\* |  |
| Preparing a patient file | **4** | 3 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Filling the request form for laboratory examination | **4** | 3 |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 3\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Using medicine with care | **4** | 3\* |  |
| Hand washing | **4** | 3 |  |
| Ability to request rational laboratory and imaging examination | **4** | 3 |  |
| Tick removal | **3** | 1 |  |
| Ability to perform lumbar puncture | **1** | 1 |  |
| **F. Preventive Medicine and Community Medicine Practices** |  |  |  |
| Taking measures to prevent infections in public areas | **4** | 3 |  |
| To be able to fight infectious diseases in the society | **3** | 3 |  |
| **G. Scientific research principles and practices** |  |  |  |
| To be able to apply the principles of evidence-based medicine in the clinical decision making process | **3** | 3 |  |
| **H. Health** |  |  |  |
| Bağışıklama-çocukluk çağı ve erişkinlerde | **4** | 3 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
|  | | |  |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN INFECTION DISEASES CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN INFECTION DISEASES CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 5 written and 30 multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

**SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP GUIDE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED510 |  | **Type** | Compulsory |
| **Period** | 3 weeks | **ECTS** | 5 |

|  |  |
| --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | *Ortopedi ve Travmatoloji*  Istanbul Tıp Fakültesi 185. Yıl Ders Kitapları Serisi  Yazar : Proff. Cengiz Şen, Proff. Mehmet Çakmak, Proff. Irfan Öztürk Nobel Tıp Kitabevi |
| **2.** | *Ortopedi Notları Klinik Muayene Rehberi*  Yazar : Dawn Gulick  Çeviri Editörü: Proff. Uğur Şaylı, Yrd. Doç. Dr. Hakan Atalar  Güneş Tıp Kitabevi |
| **3.** | *Ortopedik Alçı ve Atel Uygulamaları*  Yazar : Hasan Hüseyin Ceylan  Güneş Tıp Kitabevi |

|  |  |
| --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions,  core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”**  which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching  and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web  address at “[http://anket.atauni.edu.tr”](http://anket.atauni.edu.tr/). The participation link to the survey will be sent to the students by the dean's management. |

### 1. ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

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| --- | --- |
| **OBJECTIVE OF THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM** | |
| **1.** | To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the internal medicine internship. |
| **2.** | To be able to perform emergency treatment for internal diseases by defining emergencies (diabetic ketoacidosis, nonketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia,  hypocalcemia, oncological emergencies, hyperpotasemia, poisoning, kidney failure, shock, gastrointestinal bleeding) |
| **3.** | To be able to create and apply treatment plan in necessary clinical situations within the scope |

|  |  |
| --- | --- |
|  | of education level criteria. |
| **4.** | To be able to provide referral when necessary after emergency intervention and treatment. |
| **5.** | Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills. |
| **6.** | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program**  **Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution**  **levels** | 5 | 2 | 3 | 2 | 2 | 4 | 4 | 1 | 1 | 3 | 3 | 3 | 4 | 1 | 2 | 1 | 1 | 4 | 2 | 3 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution**  **levels** | 4 | 2 | 3 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM

1. **Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Orthopedıcs And Traumatology clerkship period

|  |  |  |  |
| --- | --- | --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS***  ***/ STATUS*** | | | |
| 1. | Low back and back pain | 5. | Muscle weakness |
| 2. | Neck pain | 6. | Musculoskeletal pain (extremity and soft tissue) |
| 3. | Joint pain / swelling | 7. | Cramp |
| 4. | Limitation of movement |  |  |

1. **In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Internal Medicine clerkship period.

|  |  |
| --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 58.Crush Injury  60. Dislocation 80.Disc Hernia  89.Congenital structural anomalies  94. Limb trauma / fractures  114. Gas Gangrene  117. Developmental hip dysplasia (hip dislocation)  180. Bone tumors  190. Compartment Syndrome  212. Mechanical back pain  233. Spine Deformities  237. Osteoarthritis 238 Osteomyelitis 262.Poliomyelitis 297.Shock  298.Tenosynovitis |
|  |  |
| In the clinical problems mentioned in the column next to; | 114. Gas Gangrene  117. Developmental hip dysplasia (hip dislocation)  180. Bone tumors |

|  |  |
| --- | --- |
| **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 190. Compartment Syndrome  233. Spine Deformities   1. Osteoarthritis 2. Osteomyelitis   62. Poliomyelitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary**  **preliminary procedures** | 58.Crush Injury  60. Dislocation 297.Shock 98.Tenosynovitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 297.Shock  12. Mechanical back pain |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures**  **(P) (those suitable from primary, secondary and tertiary protection)** | 80.Disc Hernia  17. Developmental hip dysplasia (hip dislocation) |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 237. Osteoarthritis  98. Tenosynovitis |

1. **In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Orthopedıcs And Traumatology clerkship period.

|  |  |
| --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE**  **APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | C.4.Ability to consult on disability report  E.16 Ability to open skin-soft tissue abscess |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide**  **/ instruction**  **(LEARNING LEVEL 2)** | D.18. To be able to interpret the results of screening and diagnostic examinations  E.5. To be able to request rational laboratory and imaging examination  E.65. Ability to carry the severed limb after trauma properly |
|  |  |

|  |  |
| --- | --- |
| Skills specified in the adjacent column; | C.5. To prepare an epicrisis  D.4. Evaluating direct radiographs  E.6 Arterial blood gas collection  E.44. To take example for culture |
| Makes the preliminary assessment/ evaluation of uncomplicated, frequent, situations / cases, creates the necessary plans, informs the patients and their  relatives and makes the application |
| **(LEARNING LEVEL 3)** |
|  |  |
|  | A.1. Taking a general and problem-oriented story B.1.Forensic case examination B.2.Anthropometric measurements B.14.Musculoskeletal system examination  C.3. Clarification and consent  C.9. Arrangement of prescriptions  E.7. Ability to prepare and apply a splint  E.9. Ability to apply bandage, tourniquet  E.29. To be able to take biological samples from the patient  E.30 Ability to ensure proper transportation of the patient  E.59. Ability to apply a cervical collar E.68.Ability to care for wounds and burns  E.70. Ability to take and take superficial sutures |
| Skills specified in the adjacent column;  Makes the preliminary assessment / evaluation of the application, including complex situations / cases, creates the necessary plans and informs the patients and their relatives and makes the  application. |
| **LEARNING LEVEL 4)** |

1. **In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Orthopedıcs And Traumatology clerkship period

|  |  |
| --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND**  **HUMANITIES** | |
|  |  |
|  | 2.Work and health interaction  c. The effect of illness on work and return to work after illness (rehabilitation)  f. work accidents |
|  | 1. Child neglect and abuse   a. Abuse (physical, emotional, sexual) |
|  | 8.Difficulties in physician-patient interaction  compatibility / rejection of preventive and therapeutic practices (e.g. vaccine) |
|  | 10. Legal and ethical issues  a. Professional duties and obligations |
|  | 13. Accidents a.home accidents b.Traffic accidents c.work accidents  d. Nuclear and industrial accidents |
|  | 17. Unusual circumstances / disasters   1. Natural disasters 2. Unusual circumstances (civil actions, terrorism, conflict, wars, mass injuries, etc.) |

1. **In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Orthopedıcs And Traumatology clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE ORTHOPEDICS**  **AND TRAUMATOLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM** | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **Monday** | **1. Week** | | |
| Information about Internship and Ethical and Professional Values in Clinical Practice | 08:00-09.00 | Proff. Orhan KARSAN |
| Orthopedic examitaion of a patient-1 | 09.15-10.15 | Assoc. Prof. Ali AYDIN |
| Orthopedic examitaion of a patient-2 | 10.30-11.30 | Assoc. Prof. Ali AYDIN |
| Orthopedic terminology | 13.00-14.00 | Asst. Prof. Ahmet Emre PAKSOY |
| Musculoskeletal Anatomy Overwiev-1 | 14.15-15.15 | Asst. Prof. Muhammed Çağatay ENGİN |
| Musculoskeletal Anatomy Overwiev-2 | 15.30-16.30 | Asst. Prof. Muhammed Çağatay ENGİN |
| **Tuesday** | Polio and cerebral palsy | 08.30-09.30 | Asst. Prof. Ahmet Emre PAKSOY |
| Orthopedic radiological evaluation-1 | 09.45-10.45 | Asst. Prof. Ahmet Emre PAKSOY |
| Orthopedic radiological evaluation-2 | 11.00-12.00 | Asst. Prof. Ahmet Emre PAKSOY |
| Orthopedic radiological evaluation-3 | 13.30-14.30 | Asst. Prof. Ahmet Emre PAKSOY |
| Open fractures | 14.45-15.45 | Proff. Naci EZİRMİK |
| **Wednesday** | Wound Care | 08.30-09.30 | Proff. Naci EZİRMİK |
| Fat embolism | 09:45-10.45 | Proff. Naci EZİRMİK |
| Elective / Freelance Work | 13.30-17.00 |  |
| **Thursday** | Spondyloarthropathy and spinal disc herniation | 08.30-09.30 | Asst. Prof. Naci EZİRMİK |
| Torticollis | 09.45-10.45 | Asst. Prof. Naci EZİRMİK |
| Case-Based Learning (CBL) Session 1 | 10.30-12.00 | Proff. Orhan KARSAN |
| Case-Based Learning (CBL) Session 2 | 13.30-14.30 | Proff. Ömer Selim YILDIRIM |
| Case-Based Learning (CBL) Session 3 | 14.30-16.00 | Proff. Naci EZİRMİK |
| **Friday** | Plaster, Splint and Traction-1 | 08.30-09.30 | Proff. Ömer Selim YILDIRIM |
| Plaster, Splint and Traction-2 | 09:45-10.45 | Proff. Ömer Selim YILDIRIM |
| Joint Dislocations and Treatment-1 | 13.30-14.30 | Asst. Prof. Muhammed Çağatay ENGİN |
| Joint Dislocations and Treatment-2 | 14.45-15.45 | Asst. Prof. Muhammed Çağatay ENGİN |
| **Monday** | **2. Week** | | |
| Talipes Equinovarus and other congenital foot deformities-1 | 08:30-09.30 | Assoc. Prof. Ali AYDIN |
| Talipes Equinovarus and other congenital foot deformities-2 | 09.45-10.45 | Assoc. Prof. Ali AYDIN |
| Osteomyelitis and Septic Arthritis | 11.00-12.00 | Proff. Orhan KARSAN |
| Traumatic Shock | 13.30-14.30 | Asst. Prof. Muhammed Çağatay ENGİN |
| **Tuesday** | Spine Injuries | 08.30-09.30 | Asst. Prof. Ali AYDIN |
| First aid in musculoskeletal injuries, ambulation of the patient -1 | 09.45-10.45 | Proff. Orhan KARSAN |
| First aid in musculoskeletal injuries, ambulation of the patient-2 | 11.00-12.00 | Proff. Orhan KARSAN |
| **Wednesday** | Injuries of the extremities (upper and lower extremities) | 08.30-09.30 | Proff. Ömer Selim YILDIRIM |
| Elective / Freelance Work | 13.30-17.00 |  |
| **Thursday** | Gas gangrene | 08.30-09.30 | Proff. Naci EZİRMİK |
| Compartment syndrome | 09.45-10.45 | Proff. Naci EZİRMİK |
| Case-Based Learning (CBL) Session 1 | 10.30-12.00 | Assoc. Prof. Ali AYDIN |
| Case-Based Learning (CBL) Session 2 | 13.30-14.30 | Asst. Prof. Muhammed Çağatay ENGİN |
| Case-Based Learning (CBL) Session 3 | 14.30-16.00 | Asst. Prof.Muhammed Çağatay ENGİN |
| **Friday** | Malign Bone Cancers-1 | 08.30-09.30 | Asst. Prof. Ömer Selim YILDIRIM |
| Malign Bone Cancers-2 | 09:45-10.45 | Asst. Prof. Ömer Selim YILDIRIM |
| Developmental Dysplesia of The Hip-1 | 13.30-14.30 | Asst. Prof. Orhan KARSAN |
| Developmental Dysplesia of The Hip-2 | 14.45-15.45 | Asst. Prof. Orhan KARSAN |
| **Monday** | **3. Week** | | |
| Scoliosis and kyphosis -1 | 08:30-09.30 | Asst. Prof. Ömer Selim YILDIRIM |
| Scoliosis and kyphosis -2 | 09.45-10.45 | Asst. Prof. Ömer Selim YILDIRIM |
| **Tuesday** | Tracking of the Plaster Limb | 08.30-09.30 | Proff. Naci EZİRMİK |
| Abscess Drainage, Nail Pulling and Minor Interventions | 09.45-10.45 | Proff. Orhan KARSAN |
| Injuries of the extremities (hip and pelvis) | 11.00-12.00 | Assoc. Prof. Ali AYDIN |
| Dysplasias of the bone and joints-1 | 13.30-14.30 | Asst. Prof. Orhan KARSAN |
| Dysplasias of the bone and joints-2 | 14.45-15.45 | Asst. Prof. Orhan KARSAN |
| **Wednesday** | Joint and Cartilage Dysplasias-1 | 08.30-09.30 | Proff. Ömer Selim YILDIRIM |
| Joint and Cartilage Dysplasias-2 | 09:45-10.45 | Proff. Ömer Selim YILDIRIM |
| Elective / Freelance Work | 13.30-17.00 |  |
| **Thursday** | (Practical Exam) | 10.30-12.00 |  |
| **Friday** | (Theroritical exam) | 10.00-12.00 |  |

**\*** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

**\*\*** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

**\*\*\*** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

### 5. MATCHING ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| **MATCHING ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching Staff** | **Theoretical lesson** | **Practical lesson** | **Symptoms / Conditions** | **Clinical problem** | **Basic Medical Practices** | **Behavioral, Social and Humanities** |
|  | Orthopedic examitaion of a patient | Assoc. Prof. Ali AYDIN | 2 |  | 1,2,3,4,5,6,7 | 58, 60, 80, 89,  94, 114, 117,  180, 190, 212,  233, 237, 238,  262, 297, 298 | A.1, B.1, B.14, | 2.f, 6.a,  13.a, 13.b,  13.c, 13.d,  17.b, 17.c |
|  | Orthopedic terminology | Asst. Prof. Kutsi TUNCER | 1 |  | 1,2,3,4,5,6,7 | 58, 60, 80, 89,  94, 114, 117,  180, 190, 212,  233, 237, 238,  262, 297, 298 | A.1, C.5 | 2.f, 6.a,  13.a, 13.b,  13.c, 13.d,  17.b, 17.c |
|  | Musculoskeletal Anatomy Overwiev | Asst. Prof. Muhammed Çağatay ENGIN | 2 |  | 4,5,6 | 58, 60, 80, 89,  94, 114, 117,  180, 190, 212,  233, 237, 238,  262, 297, 298 | B.14, E.7,  E.59, D.4 | 2.f, 6.a,  13.a, 13.b,  13.c, 13.d,  17.b, 17.c |
|  | Polio and cerebral palsy | Asst. Prof. Mehmet KÖSE | 1 |  | 5,6,7 | 262 | A.1, B.14 | 2.c, 2.f |
|  | Orthopedic radiological evaluation | Asst. Prof. Mehmet KÖSE | 3 |  | 6 | 58, 60, 80, 89,  94, 114, 117,  180, 190, 212,  233, 237, 238,  262, 297, 298 | D.4, E.5 | 2.f, 6.a,  13.a, 13.b,  13.c, 13.d,  17.b, 17.c |
|  | Open fractures | Proff. Naci EZIRMIK | 1 |  | 4,6 | 58, 114, 238 | A.1, B.14,  D.4, E.7,  E.9, E.30, E.68 | 2.f, 6.a,  13.a, 13.b,  13.c, 13.d,  17.b, 17.c |
|  | Wound Care | Proff. Naci EZIRMIK | 1 |  | 6 | 58, 114, 238 | E.44, E.68 | 2.f, 13.a,  13.b, 13.c,  13.d, 17.b,  17.c |
|  | Fat embolism | Proff. Naci EZIRMIK | 1 |  | 1 | 58, 94 | A.1, B.14, D.4 | 2.f, 13.a,  13.b, 13.c,  13.d, 17.b,  17.c |
|  | Spondyloarthropat hy and spinal disc  herniation | Asst. Prof. Sinan YILAR | 1 |  | 1 | 80, 233 | A.1, B.14,  D.4, E.59 | 2.c, 8.a,  13.a, 13.b,  13.c, 17.b |
|  | Torticollis | Asst. Prof. Sinan YILAR | 1 |  | 2,4 | 89 | A.1, B.14, D.4 | 8.a |
|  | Plaster, Splint and Traction | Proff. Ömer Selim YILDIRIM | 2 |  | 4,6 | 60, 89, 94 | B.14, D.4, E.30 | 2.f, 10.a,  13.a, 13.b,  13.c, 17.b,  17.c |
|  | Joint Dislocations and Treatment | Asst. Prof. Muhammed Çağatay ENGIN | 2 |  | 3,4,6 | 60 | A.1, B.14,  D.4, E.9 | 2.c, 2.f,  13.a, 13.b,  13.c, 17.b,  17.c |
|  | Talipes Equinovarus and other congenital  foot deformities | Assoc. Prof. Ali AYDIN | 2 |  | 4 | 89 | A.1, B.14,  D.4, E.9 | 8.a |
|  | Osteomyelitis and Septic Arthritis | Proff. Orhan KARSAN | 1 |  | 3,4 | 238 | A.1, B.14,  D.4, E.68, E.44 | 13.b, 13.c,  13.d |
|  | Traumatic Shock | Asst. Prof. Muhammed Çağatay ENGIN | 1 |  | 5 | 297 | A.1, E.6,  E.65, E.5, E, 30 | 10.a, 13.b,  13.c |
|  | Spine Injuries | Asst. Prof. Sinan YILAR | 1 |  | 1,6 | 80 | E.30, E.59 | 13.b, 13.c,  17.b, 17.c |
|  | First aid in musculoskeletal injuries,  ambulation of the patient | Proff. Orhan KARSAN | 2 |  | 4,6 | 58, 60, 94 | E.30, E.59, E.65 | 13.a, 13.b,  13.c, 17.b,  17.c |
|  | Injuries of the extremities (upper  and lower extremities) | Proff. Ömer Selim YILDIRIM | 1 |  | 3,4,6 | 58, 60, 94 | A.1, B.14,  E.7, E.30 | 2.f, 6.a,  13.a, 13.b,  13.c17.b |
|  | Gas gangrene | Proff. Naci EZIRMIK | 1 |  | 6 | 114 | A.1, B.14,  C.9, E.5,  E.29, E.44 | 10.a, 13.b,  13.c, 13.d |
|  | Compartment syndrome | Proff. Naci EZIRMIK | 1 |  | 6 | 190 | A.1, B.1,  B.14, E.7 | 2.f, 13.b,  13.c, 17.b |
|  | Malign Bone Cancers | Asst. Prof. Kutsi TUNCER | 2 |  | 3 | 180 | A.1, C.3, D.4 | 10.a |
|  | Developmental Dysplesia of The  Hip | Asst. Prof. Mehmet KÖSE | 2 |  | 3,4 | 117 | A.1, B.2, D.4, D.18 | 8.a, 10.a |
|  | Scoliosis and kyphosis | Asst. Prof. Sinan YILAR | 2 |  | 1,2,7 | 233 | A.1, B.14, D.4 | 8.a, 10.a |
|  | Tracking of the Plaster Limb | Proff. Naci EZIRMIK | 1 |  | 7 | 190 | B.14, E.7, D.4 | 8.a, 10.a,  13.a, 13.b, |
|  |  |  |  |  |  |  |  | 13.c, 17.b,  17.c |
|  | Abscess Drainage, Nail Pulling and Minor | Proff. Orhan KARSAN | 1 |  | 6 | 114, 238 | E.68, E.70 | 10.a, 13.b,  13.c |
|  | Injuries of the  extremities (hip and pelvis) | Assoc. Prof. Ali AYDIN | 1 |  | 3,4,6 | 60, 94 | A.1, B.1,  B.14, D.4, E.30 | 2.f, 6.a,  13.a, 13.b,  13.c17.b |
|  | Benign Bone Tumors | Asst. Prof. Kutsi TUNCER | 2 |  | 6 | 180 | A.1, C.3, D.4 | 10.a |
|  | Joint and Cartilage Dysplasias | Proff. Ömer Selim YILDIRIM | 2 |  | 6 | 89 | B.2, B.14, D.4 | 8.a, 10.a |

### 6. LEARNING METHODS OF ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date:…../……/……** | | | |
| **I- Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **Hasta Dosya numarası:** |  |  |  |
| **A. Taking Anamnesis** |  | | |
| Get information from the patient | **4** | 1 |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Examination of the limbs, pelvis and spine | **3** | 5 |  |
| **C. Registration, Reporting and Notification** | | | |
| Prescription | **4** | 1 |  |
| Preparing a patient file | **4** | 1 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Ability to take the laboratory sample and send it to the laboratory under suitable conditions | **4** | 3 |  |
| Ability to fill the request form for laboratory examination | **4** | 3 |  |
| To be able to interpret the results of screening and diagnostic examinations | **3** | 3 |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Ability to apply plaster, splint and bandage | **3** | 3 |  |
| Open wound debridement and suturing | **3** | 1 |  |
| Abscess drainage and / or infected wound care | **4** | 1 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III- Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

\*\*Learning Level\*\*

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP** |
| **ACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| **SESSION V UROLOGY GUIDE** |

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| **Code** | MED512 |  | **Type** | Compulsory/Elective |
| **Period** | 3 weeks |  | **ECTS** | 5 |

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| **UROLOGY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

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| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Campbelle&Walsh Urology |
| **2.** | BASIC UROLOGY |
| **3.** | European Association of Urology Guidelines |

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| **UROLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

**1. UROLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM**

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| **OBJECTIVE OF THE UROLOGY CLERKSHIP PROGRAM** | |
|  | To evaluate the etiopathogenesis and clinical findings of surgical diseases related to the genitourinary system encountered in adult and pediatric patients; to gain the skills to diagnose, treat and refer to genitourinary system diseases at primary level |

**2. UROLOGY CLERKSHIP- LEARNING OUTCOMES**

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 5 | 3 | 3 |  | 3 | 1 | 2 | 4 | 1 | 5 | 3 | 4 | 2 |  | 2 |  | 1 |  |  | 3 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 2 | 4 | 3 | 1 | 1 |  | 5 | 4 | 5 | 3 | 4 | 2 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

**3. LEARNING OBJECTIVES OF THE UROLOGY CLERKSHIP PROGRAM**

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Urology clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Urology CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
|  | Anüri‐Oligüri | 10 | Impotans | 18 | Poliüri |
|  | Fire | 11 | Infertilite | 19 | Pollaküri / Noktüri |
|  | Nausea-vomıtıng | 12 | Undescended testicle | 20 | Puberty disorders (early ‐ late) |
|  | Sexual Dısfonksıon | 13 | Mass in the groin / scrotum | 21 | Urethral discharge |
|  | Dizüri | 14 | Undescended testicle(renal, bilier, intestinal) | 22 | Üriner inkontinans |
|  | Enürezis | 15 | Suspicious genitalia | 23 | Healthy sex life |
|  | Change of color change in urine | 16 | Pelvic pain/ Pelvic mass | 24 | Reproductive health and rights |
|  | Hematüri | 17 | Polidipsi | 25 | Scrotal pain |
|  | Urinary retention |  |  | 26 | Flank pain |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Urology clerkship period.

|  |  |
| --- | --- |
| **UROLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Genito-urinary trauma  2. Testicular torsion  3. Acute kidney injury  4. Acute glomerulonephritis  5. Obstructive uropathy  6. Chronic kidney damage  7. Urinary system stone disease |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 8. Benign prostatic hyperplasia  9. Genito-urinary trauma  10. Gas gangrene  11. Cystic diseases of kidney  12. Kidney anomalies  13. Kidney tumors  14. Sexual dysfunctions  15. Export disorders (Enuresis, encopresis)  16 Pheochromocytoma  17. varicocele  18. Testicular tumor  19. Prostate cancer  20. Bladder cancer |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 21. hydrocele  22. Congenital structural anomalies  23. Hypospadias, epispadias  24. cryptorchidism  25. Urinary system stone disease  26. Acute kidney failure  27. Chronic kidney failure  28. Acute glomerulonephritis  29. Phimosis and parafimosis  30. Genital infections  31. Urinary system infections |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 32. Sexually transmitted infections  33. Tuberculosis  34. Urinary system infections  35. Genital infections |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 36. Tuberculosis  37. Chronic kidney failure  38. Acute kidney failure  39. Sexually transmitted infections  40. Congenital structural anomalies  41. Bladder cancer  42. Prostate cancer  43. Urinary system stone disease |
|  |  |
|  |  |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Urology clerkship period.

|  |  |
| --- | --- |
| **UROLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | ------- |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 1. Ability to puncture suprapubic bladder |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 2. Urological examination  3. General situation and evaluation of vital signs  4. Digital rectal examination  5. Gynecological examination  6. Ability to insert urine catheter  7. Forensic case examination  8. Child and newborn examination  9. To be able to read and evaluate direct radiographs |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 10. Ability to take general and problematic stories  11. To be able to evaluate mental state  12. Lighting and obtaining consent  13. To prepare epicrisis  14. To prepare patient file  15. Prescribing a recipe  16. Rational drug use  17. To be able to prepare refusal of treatment document  18. Ability to fill the request form for laboratory examination  19. To be able to take the laboratory sample under appropriate conditions and deliver it to the laboratory.  20. Hand washing  21. To be able to request rational laboratory and imaging examination |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Urology clerkship period

|  |  |
| --- | --- |
| **UROLOGY INTERNSHIP - BEHAVIORAL, SOCIAL AND HUMANITIES** | |
| **2.** | **Addiction** |
|  | b.Cigarate |
| **29.** | **Technology and health interaction** |
|  | d. Current diagnostic-treatment tools |
| **34.** | **Reproductive health / Sexual health** |
|  | a. Healthy sex life and counseling  e. Sexually transmitted diseases and prevention ways |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Urology clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **UROLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

**4. UROLOGY CLERKSHIP - WEEKLY COURSE PROGRAM**

|  |  |  |  |
| --- | --- | --- | --- |
| **TERM V UROLOGY INTERNSHIP WEEKLY TRAINING PROGRAM** | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **Monday** | **I. Week** | | |
| Visit | 08.45- 09.30 | Together |
| Informing about internship, ethical and professional values in clinical practice | 09.45- 10.30 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
| Urinary System Imaging Methods | 13.30- 14.30 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
| Intrascrotal Masses | 14.45- 15.45 | Prof. Dr. Özkan POLAT |
|  | Freelance Study | 15.45- 17.00 |  |
| **Tuesday** | Visit | 08.45- 09.30 | Together |
| Specific Infections of the Urinary System-I | 13.30- 14.30 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
| Specific Infections of the Urinary System-II | 14.45- 15.45 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
|  | Freelance Study | 15.45- 17.00 |  |
| **Wednesday** | Visit | 08.45- 09.30 | Together |
| Urogenital Tract Trauma-I | 09.30- 10.30 | Prof. Dr. Şenol ADANUR |
| Urogenital Tract Trauma-II | 10.45- 11.45 | Prof. Dr. Şenol ADANUR |
| Elective / Freelance Study | 13.30- 17.00 |  |
| **Thursday** | Visit | 08.45- 09.30 | Together |
| Benign Prostatic Hyperplasia (BPH)-I | 13.30- 14.30 | Prof.Dr. Özkan POLAT |
| Benign Prostatic Hyperplasia (BPH)-II | 14.45- 15.45 | Prof. Dr. Özkan POLAT |
|  | Freelance Study | 15.45- 17.00 |  |
| **Friday** | Visit | 08.45- 09.30 | Together |
| Council and Case-Based Learning (CBL) Session 1 | 09.30- 10.30 |  |
| Urogenital System Tumors-I | 13.30- 14.30 | Prof.Dr. Turgut YAPANOĞLU |
| Urogenital System Tumors-II | 14.45- 15.45 | Prof. Dr. Turgut YAPANOĞLU |
|  | Freelance Study | 15.45- 17.00 |  |
| **Monday** | **II. Week** | | |
| Visit | 08.45- 09.30 | Together |
| Male infertility | 13.30- 14.30 | Prof. Dr. İsa ÖZBEY |
| Male sexual dysfunctıon | 14.45- 15.45 | Prof. Dr. İsa ÖZBEY |
|  | Freelance Study | 15.45- 17.00 |  |
| **Tuesday** | Visit | 08.45- 09.30 | Together |
| Female Sexual Function and Dysfunction | 13.30- 14.30 | Prof. Dr. İsa ÖZBEY |
| Sexually Transmitted Urinary Tract Infections | 14.45- 15.45 | Prof. Dr. İsa ÖZBEY |
|  | Freelance Study | 15.45- 17.00 |  |
| **Wednesday** | Visit | 08.45- 09.30 | Together |
| Undescended Testis | 09.30- 10.30 | Prof. Dr. Yılmaz AKSOY |
| Konjentinal Urinary Obstruction | 10.45- 11.45 | Prof. Dr. Yılmaz AKSOY |
| Elective / Freelance Study | 13.30- 17.00 |  |
| **Thursday** | Visit | 08.45- 09.30 | Together |
| Vesicoureteral Reflux | 13.30- 14.30 | Prof. Dr. Yılmaz AKSOY |
| Obstructive uropathy | 14.45- 15.45 | Prof. Dr. Yılmaz AKSOY |
|  | Freelance Study | 15.45- 17.00 |  |
| **Friday** | Visit | 08.45- 09.30 | Together |
| Council and Case-Based Learning (CBL) Session 2 | 09.30- 10.30 |  |
| Urogenital System Tumors-III | 13.30- 14.30 | Prof.Dr. Turgut YAPANOĞLU |
| Urogenital System Tumors-IV | 14.45- 15.45 | Prof.Dr. Turgut YAPANOĞLU |
|  | Freelance Study | 15.45- 17.00 |  |
| **Monday** | **III. Week** | | |
| Visit | 08.45- 09.30 | Together |
| Urological emergency | 13.30- 14.30 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
| Urolithiasis-I | 14.45- 15.45 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
|  | Freelance Study | 15.45- 17.00 |  |
| **Tuesday** | Visit | 08.45- 09.30 | Together |
| Urolithiasis-II | 13.30- 14.30 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
| ESWL in the Treatment of Urolithiasis | 14.45- 15.45 | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN |
|  | Freelance Study | 15.45- 17.00 |  |
| **Wednesday** | Visit | 08.45- 09.30 | Together |
| Endourologic Treatments of Urinary Tract Stone Disease | 09.30- 10.30 | Prof. Dr. Şenol ADANUR |
| Overactive Bladder | 10.45- 11.45 | Prof. Dr. Yılmaz AKSOY |
|  | Elective / Freelance Study | 13.30- 17.00 |  |
| **Thursday** | Visit | 08.45- 09.30 | Together |
| Practice Exam (Oral) | 10.00- 12.00 |  |
| **Friday** | Visit | 08.45- 09.30 | Together |
| Council and Case-Based Learning (CBL) Session 3 | 09.30- 10.15 |  |
| Theoretical Examination (Written) | 10.30- 11.00 |  |

**5. MATCHING UROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TERM V UROLOGY INTERNSHIP COURSES PAIRING WITH LEARNING OBJECTIVES** | | | | | | | |
| **Lesson code** | **The subject of the lecture** | **Faculty members** | **Theoretical Clock** | **Practical Clock** | **With symptoms / conditionr** | **Clinical problem** | **Basic medical practices** |
| ÜRO001 | Urinary System Imaging Methods | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN | 1 | 2 |  |  | 11 |
| ÜRO002 | Urinary System Infections 2 | Prof.Dr.Şenol ADANUR | 1 | 1 | 2, 5, 8, 16 | 31, 34, 37 | 1, 2, 10, 21, 22 |
| ÜRO003 | Urinary System Infections -I | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN | 1 | 1 | 2, 5, 8, 16 | 33 | 1, 2, 10, 21, 22 |
| ÜRO004 | Urogenital System Tumors- I | Prof.Dr.Şenol ADANUR | 1 | 1 | 8, 14 | 11, 13 | 1, 2, 10, 11, 15,  16, 17, 20, 21, 22 |
| ÜRO005 | Overactive Bladder | Prof.Dr.Yılmaz AKSOY | 2 | 1 | 22 |  | 1, 2, 10, 12, 13,  19, 21 |
| ÜRO007 | Urogenital System Tumors - II | Prof.Dr.Turgut YAPANOĞLU | 1 | 2 | 8, 14 | 21 | 1, 2, 3, 5, 10, 11,  12, 14, 21, 22 |
| ÜRO008 | Benign Prostate Hyperplasia (BPH) | Prof.Dr.Özkan POLAT | 1 | 2 | 1, 5, 8, 9, 16, 19, 22 | 8 | 1, 2, 3, 5, 6,  10, 18, 21 |
| ÜRO009 | Urogenital System Tumors - III | Prof.Dr.Turgut YAPANOĞLU | 1 | 2 | 8, 9, 16, 24 | 20 | 1, 2, 3, 5, 10, 11,  12, 14, 21, 22 |
| ÜRO010 | Intrachrotal Masses | Prof.Dr.Özkan POLAT | 1 | 2 | 11, 13, 24 | 19, 22 | 1, 2, 3, 10, 11,  12, 14, 21, 22 |
| ÜRO011 | Male Infertility | Prof.Dr.Isa ÖZBEY | 1 | 2 | 10, 11, 12, 13, 23, 24 | 14, 18, 19 | 1, 2, 3, 10, 11,  12, 14, 21, 22 |
| ÜRO012 | Male Sexual Dysfunctions | Prof.Dr.Isa ÖZBEY | 1 | 1 | 4, 10, 11, 23, 24 | 14, 18, 20, 21 | 7, 9, 12, 13, 1  8, 19, 20 |
| ÜRO013 | Female Sexual Function and Dysfunction | Prof.Dr.Isa ÖZBEY | page290image36802081 |  | 4, 5, 11, 20, 22, 23, 24 | 14, 17, 21, 34, 27, 31, 33 | 7, 9, 10, 12, 13,  18, 19, 20, 21 |
| ÜRO014 | Urinary System Infections -III | Prof.Dr.Isa ÖZBEY | 1 |  | 4, 10, 11, 23, 24 | 14, 31, 34 | 7, 9, 12, 13, 18,  19, 20 |
| ÜRO015 | Urological Emergencies | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN | 1 | 2 | 12, 13 | 23, 25, 30 | 1, 8 |
| ÜRO016 | Congentinal Urinary System Obstruction | Prof.Dr.Yılmaz AKSOY | 1 | 1 | 3, 14 | 5, 12, 23 | 8, 10, 11, 17, 21 |
| ÜRO017 | Vesico Urethral Reflux | Prof.Dr.Yılmaz AKSOY | 1 | 1 | 2, 3, 5, 6, 22 | 4, 6, 15, 33 | 8, 10, 11, 18 |
| ÜRO018 | Obstructive Uropathy | Prof.Dr.Turgut YAPANOĞLU | 2 | 1 | 3, 14 | 5, 12, 23 | 8, 10, 11, 17, 21 |
| ÜRO020 | Urinary System Tumors-IV | Prof.Dr.Turgut YAPANOĞLU | 1 | 1 | 8, 14, 16 | 13 | 1, 2, 10, 11, 12, 17, 21, |
| ÜRO022 | Urolithiasis-I | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN | 1page290image5779232 | 1 | 1, 2, 3, 5, 8, 14 | 3, 4, 5, 7, 33 | 1, 2, 10, 11, 17, 18 |
| ÜRO023 | ESWL in Urolithiasis Treatment | Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN | 1 | 1 | 1, 2, 3, 5, 8, 14 | 3, 4, 5, 7, 33 | 1, 2, 10, 11, 17, 18 |
| ÜRO024 | Endourological Interventions in Urinary System Stone Disease | Prof.Dr.Şenol ADANUR | 1page290image5786304 | 1 | 1, 2, 3, 5, 8, 14 | 3, 4, 5, 7, 33 | 1, 2, 10, 11, 17, 18 |
| ÜRO025 | Urinary Traumas-I | Prof.Dr.Şenol ADANUR | 1 | 1 | 8, 9, 14, 16, | 1 | 1, 2, 7, 9, 10, 11, 13, 14, |
| ÜRO026 | Urinary Traumas -II | Prof.Dr.Şenol ADANUR | 1 |  | 8, 9, 14, 16, | 1 | 1, 2, 7, 9, 10, 11, 13, 14, |
|  | Polyclinic / Operating Room Applications | Faculty Members |  | 22 |  |  |  |
|  | Notification of the aims and objectives of the internship meeting | Head of internship commission | 1 |  |  |  |  |
|  | Post-internship feedback meeting | Head of internship commission | 1 |  |  |  |  |

**6. LEARNING METHODS OF UROLOGY CLERKSHIP PROGRAM**

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| **LEARNING METHODS OF UROLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

**7. “STUDENT TRAINEE REPORT” FOR UROLOGY CLERKSHIP**

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY MEDICAL FACULTY PERIOD V**  **UROLOGY INTERNSHIP STUDENT SCORE** | | | |
| **ADI-SOYADI:**  **No: DATE:…../……/……** | | | |
| I-Basic Medicine Practices | **Learning Level \*\*** | **Number** | **Internship Officer Approval (Date)** |
| A. Taking Story |  | | |
| To be able to take a history for the general and urogenital system | **4** | **2** |  |
| **B. General and Problem-Oriented Physical Examination** | | | |
| Genitourinary system examination | **3** | **3** |  |
| Digital rectal examination | **3** | **3** |  |
| Abdominal examination | **3** | **3** |  |
| **C. Record Keeping, Reporting and Notification** | | | |
| Writing prescriptions | **4** | **5** |  |
| Preparing a patient file | **4** | **2** |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | **4** | **2** |  |
| Filling the request form for laboratory examination | **4** | **5** |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | **5** |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Reading and evaluating direct radiographs | **3** | **5** |  |
| Urinary catheter insertion | **3** | **2** |  |
| **Total Basic Medicine Practice score (out of 5 points)** | | |  |
| **II-Student's impression- Professionalism appropriate for Medicine (Assessed by Faculty Members) (out of 5 points)** | | | |
| **Compliance with internship rules** | | |  |
| **Adaptation to team work** | | |  |
| III- Clinical Problem Solving (out of 5) | | |  |
| (Given from the performance shown in Case Based Learning sessions) | | |  |
| **Internship Responsible Head of department**    **Dr. Öğr. Üyesi Şaban Oğuz DEMİRDÖĞEN Prof.Dr.Özkan POLAT**  **…/…/…. …/…/….** | | | |
|  | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

**8. ASSESSMENT AND EVALUATION METHODS IN UROLOGY CLERKSHIP**

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| --- |
| **ASSESSMENT AND EVALUATION METHODS IN UROLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 25 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V PSYCHIATRY CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED511 |  | **Type** | Compulsory/Elective |
| **Period** | 3weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **PSYCHIATRY CLERKSHIP-Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES(RESOURCE BOOK -OTHERS)** | |
| **1.** | Comprehensive Textbook of Psychiatry |
| **2.** | DSM-5 Diagnostic and Statistical Manual of Mental Disorders (American Psychiatric Association-2013) |
| **3.** | Essentials of Clinical Psychiatry |

|  |  |
| --- | --- |
| **PSYCHIATRY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;**Students are required to take at least 60 point from each Practical-Oral and Theoretical exams, In Practical exams the **Trainee Report**and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. PSYCHIATRY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE PSYCHIATRY CLERKSHIP PROGRAM** | |
| **1** | To be able to make a preliminary diagnosis by evaluating the etiology, pathophysiological and clinical features, signs and symptoms of mental health and diseases |
| **2** | To be able to perform emergency treatment by defining emergencies for mental health and diseases |
| **3** | To be able to create and apply a treatment plan in necessary clinical situations within the scope of education level criteria |
| **4** | To be able to provide referral when necessary after emergency intervention and treatment |
| **5** | To have basic knowledge about psychopharmacological and psychotherapeutic methods used |
| **6** | To gain the knowledge, skills and professionalism characteristics determined for the internship |

### 2. PSYCHIATRY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to“Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 4 | 4 | 4 | 4 | 2 | 3 | 4 | 3 | 4 | 5 | 4 | 5 | 5 | 2 | 4 | 1 | 3 | 3 | 2 | 4 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 3 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 3 | 3 | 3 | 3 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1very low 2 low 3 intermediate 4 high 5 veryhigh*

### 3. LEARNING OBJECTIVES OF THE PSYCHIATRY CLERKSHIP PROGRAM

**A. Frequent reasons for application:**Competence is expected in terms of Clinical Symptoms / Signs / Statusduring the Psychiatry clerkship period

|  |  |  |  |
| --- | --- | --- | --- |
| **PSYCHIATRY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | |
| 1 | Anxiety | 10 | Fury and hostility |
| 2 | Cognitive disorders/forgetfullness | 11 | Learning disorder |
| 3 | Sexual function disorders | 12 | Sleep and disorders |
| 4 | Mood varities |
| 5 | Assessment of reality |
| 6 | Hyperactivity |
| 7 | Suicide/homicide |
| 8 | Reasoning and disorders |
| 9 | Psychiatric seizure |

**B. In terms of knowledge:**It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Psychiatry clerkship period.

|  |  |
| --- | --- |
| **PSYCHIATRY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 19.Situations about alcohol and substance use disorder  4.Bipolar disorder  18.Medication side effects  12.Schizophrenia and other psychotic diseases  21.Acute and posttraumatic stress disorder  22.Delirium |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1.Alcohol and substance use disorder  2.Somatoform disorders (somatization/conversion)  3.Cognitive disorders (dementia)  4.Bipolar disorder  5.Sexual function disorder  6.Sexual identity disorder  7.Dissociative disorder  8.Personality disorder  9.Obsessive-compulsive disorder  10.Panic disorder  11.Schizophrenia and other psychotic disorders  12.Sleep disorders  13.Generalized anxiety disorder  14.Eating disorder  15.Intellectual disabilities  21.Acute and posttraumatic stress disorder  23.Disruptive disorder/impulse control disorder  24.Agoraphobia/spesific phobias |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1.Depression  2.Medication side effects  3.Delirium |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** |  |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Alcohol and substance use disorder 2. Emergencies about alcohol and substance use disorder 3. Cognitive disorders, dementias 4. Bipolar disorder 5. Depression 6. Medication side effects 7. Delirium |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 1.Cognitive disorders, dementia  2.Alzheimer’s disease  3.Bipolar disorder  4.Depression  5.Medication side effects  6.Schizophrenia and other psychotic disorders  7.Delirium |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed belowduring the Psychiatry Clerkship period.

|  |  |
| --- | --- |
| **PSYCHIATRY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. Evaluation of disability |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 2.Intervention to suicide  3.Determining legal capacity |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 4.Taking psychiatric anamnesis  5.Psychiatric examination  6.Mental evaluation  7.Minimental state examination  8.Using evidence based medical interventions during giving clinical decision  9.Stabilizing emergent situations  10.Disability report consultation  11.Preparing medical reports |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives**and does the application**  **(LEARNING LEVEL 4)** | 12.Taking medical history  13.Examination of consciousness  14.Reasonable choice of laboratory and imaging technics  15.Patient transfer  16.Fullfilment of the patient file  17.Writing appropriate prescription  18.Fullfilment of laboratory forms  19.Taking patient consent  20.Treatment refusal  21.Reasonable medication use  22.Preparing patient epicrisis |

**D.In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Psychiatry Clerkship period

|  |  |
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| **PSYCHIATRY CLERKSHIP–LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  | 1.Discrimination, bias, stigmatization |
|  | a.Immigrants  b.Sensitive and vulnerable groups (olds, disableds, convicts and detainees  c.Gender |
|  | **2.Dependency**  **a.Alcohol**  **b.Nicotine**  **c Substance**  **d.Behavioral addictions (gambling, shopping, technology, internet)**  **e.Familial and individual burden of dependency** |
|  | 4.Work and health relation  c.Effect of disease on worklife and rehabilitation for getting back to work  d.Work stress and psychosocial risks, mobbing, burnout syndrome  e.Vulnerable and sensitive groups (children, immigrants, olds, child workers |
|  | 5.Environment and health relation  a. Healthy nutrition and food politics  j. Social environment and social wellbeing  6. Child neglect and abuse  a.Neglect (emotional, physical, medical, educational)  f.b.Abuse (physical, emotional, sexual)  Child marriages  7.Migration  a.War, terror and migration, immigrants |
|  | 8.Difficulties on patient-clinician relation  a.Treatment maladaptment on preventive and treatment interventions (vaccination denial)  b.Wishfull and insistive patient  c.Manipulative patient  d.Treatment resistant patient  e.Simulation (making patient role to have benefit)  f.Mourning patient  g.Somatization/somatic symptoms associated with psychosocial factors  h.Frequent applicant patient  i.Difficulties between cultural relationship |
|  | 9.Clinicians wellness  f.Physical and mental health |
|  | 10.Legal and ethical issues  e.Informed consent  g.Medical records, prescript, ethical issues on writing medical reports  i.Compulsory treatment |
|  | 11.Human rights and health  d.Psychosocial burden caused by violations of rights in social life |
|  | 12.Unemployment and poverty  c.Individual’s psychosocial wellness  d.Public and family health |
|  | 14.Chronic/non infectious diseases  a.Prevention and follow-up of risk factors  b.Management  c.Multimorbidity  d.Burden of caretaking and caregiving  e.Situations about chronic diseases and inequalities of publical distribution of diseases  f.Psychosocial aspects of symptoms of chronic pain, dementia, sleep disorders and depression |
|  | 18.Death, neardeath patient and mourning  a.Mourning, prolonged mourning process |
|  | 20.Psychological and social wellbeing  a.Health during different stages of life  b.Family health, family support  c.Social/public funds, social support  d.Culture and health beliefs/attitudes  h.Flexibility/durability, embracing uncertainties and dilemmas  i.Power and control: patients intervention about him/herself  j.Stress and stress management |
|  | 23.Critics of health interventions  c.Medicalization of daily life  e.Body-mind dilemma and reductionist approaches  f.Commercializing healthy living habits  g.Extreme medical practices  h.Wrong practices on traditional and complementary medicine |
|  | 25. Healthiness issued  a.Nutriton  b.Physical, mental activity and exercises  c.Sedantery life  d.Participating in social life |
|  | 27.Stress  a.Burden of daily life  b.Major life events  c.Office stress  d.Stress management  e.Physcial and mental complaints related with stress |
|  | 29.Interaction between technology and health  f.Technology addiction, technology misuse and abuse |
|  | 30.Medical errors and unprofessional attitudes  a.Malpractice  b.Unprofessional behaviors to the patient and relatives of the patient  c.Misuse of the power on health and education  e.Communication problems |
|  | 31.Professionalism on medicine  b.Honesty, telling the truth to the patient and respect for the privacy of the patient  c.Vocational values, vocational identity and historical perspective, being open to vocational and vocational progress |
|  | 34.Reproductive health/sexual health  a.Healthy sexual life and consultancy |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Psychiatry clerkship

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| **ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE PSYCHIATRY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. |

### 4. PSYCHIATRY CLERKSHIP - WEEKLY COURSE PROGRAM

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| **PSYCHIATRY CLERKSHIP - WEEKLY COURSE PROGRAM** | | | |
| **Days** | **COURSE SUBJECT** | **COURSE TIME** | **Lecturer** | |
| **Monday** | **1. Week** | | | |
| Information about Internship program and professional and ethical ıssues in clinical practice | 08.00-08.30 | Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Assistant Seminar | 08.30-09.30 | Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Signs and symptoms in psychiatry | 9.30-12.00 | Assoc.prof. Dr. Halil Özcan | |
| Psychiaytric interview | 13.30-15.00 | Assoc.prof. Dr. Halil Özcan | |
| Schizophrenia | 15.00-17.00 | Assoc.prof. Dr. Halil Özcan | |
| **Tuesday** | Major depressive disorder | 08.00-10.30 | Dr. Hacer Akgul Ceyhun | |
| Inpatient evalualtion with whole clinical staff | 10.30-12.00 | Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task | |
| Other depressive disorders | 13.30-15.00 | Dr. Hacer Akgul Ceyhun | |
| Main neurocognitive disorders | 15.00-17.00 | Dr. Hacer Akgul Ceyhun | |
| **Wednesday** | Assistant Seminar | 08.00-09.30 | Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Bipolar disorder | 09.30-12.00 | Dr. Serap Sari | |
| Free/Optional working | 13.30-17.00 |  | |
| **Thursday** | Student Seminar-A psychotic case presentaiton | 08.00-09.30 | Assoc.prof. Dr. Halil Özcan | |
| Other psychotic disorders | 09.30-10.30 | Assoc.prof. Dr. Halil Özcan | |
| Inpatient evalualtion with whole clinical staff | 10.30-12.00 | Dr. Özcan, Okutucu, Ceyhun, Sari, Aydın will take the task alternately. | |
| Gender identity and sexual function disorders | 13.30-15.00 | Dr. Esat Fahri Aydin | |
| CBE(Case based evaluation) First session | 15.00-17.00 | Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task | |
| **Friday** | Independent working hours | 08.00-09.30 |  | |
| Antidepressants | 09.30-10.30 | Dr. Hacer Akgul Ceyhun | |
| Clinical practice | 10.30-12.00 | Dr. Özcan, Okutucu, Ceyhun, Sari, Aydın will take a rotating task | |
| Antipsychotics | 13.30-15.00 | Dr. Hacer Akgul Ceyhun | |
| Clinical practice | 15.00-17.00 | Dr.Özcan, Aydın, Ceyhun, Okutucu, Sarı will take a rotating task | |
| **Monday** | **2. Week** | | | |
| Assistant Seminar | 08.00-09.30 | Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Dissociative disorders | 10.00-12.00 | Dr. Esat Fahri Aydin | |
| Somatoform disorders | 13.30-15.30 | Dr. Esat Fahri Aydin | |
| Clinical Practice | 15.30-17.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| **Tuesday** | Student seminar-A depression case presentation | 08.00-09.30 | Dr. Hacer Akgul Ceyhun | |
| Mood Stablizators | 09.30-10.30 | Dr. Hacer Akgul Ceyhun | |
| Inpatient evalualtion with whole clinical staff | 10.30-12.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task. | |
| Forensic psychiatry | 13.30-15.00 | Assoc.Prof. Dr. Halil Özcan | |
| CBE(Case based evaluation) First session | 15.00-17.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| **Wednesday** | Assistant seminar | 08.00-09.30 | Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Anxiety disorders | 09.30-12.00 | Dr. Fatma Tuygar Okutucu | |
| Free/Optional working | 13.30-17.00 |  | |
| **Thursday** | Trauma and stress related disorders | 08.00-10.30 | Dr. Fatma Tuygar Okutucu | |
| Inpatient evalualtion with whole clinical staff | 10.30-12.00 | Dr. Esat Fahri Aydın | |
| Obsssive compulsive and related disorders | 13.30-15.00 | Dr. Fatma Tuygar Okutucu | |
| Emergency situations in psychiatry | 15.00-17.00 | Dr. Esat Fahri Aydın | |
| **Friday** | Assistant seminar | 08.00-09.30 | Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Impulse Control Disorders | 09.30-10.30 | Dr. Serap Sarı | |
| Clinical practice | 10.30-12.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task. | |
| Substance related disorders and addiction disorders | 13.30-17.00 | Dr. Serap Sarı | |
| **Monday** | **3. Week** | | | |
| Assistant seminar | 08.00-09.30 | Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task | |
| Psychotherapies | 10.00-12.00 | Dr. Esat Fahri Aydın | |
| Personality and personality disorders | 13.30-17.00 | Dr. Esat Fahri Aydın | |
| **Tuesday** | Free working hour | 08.00-09.00 |  | |
| Eating diorders | 09.00-10.30 | Dr. Serap Sarı | |
| Inpatient evalualtion with whole clinical staff | 10.30-12.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| Sleep disorders | 13.30-15.30 | Dr. Serap Sarı | |
| Student seminar- A case presentation with bipolar disorder | 15.00-17.00 | Dr. Serap Sarı | |
| **Wednesday** | Assistant seminar | 08.00-09.30 | Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task | |
| Other treatments which are used in psychiatric disorders | 09.30-11.00 | Dr. Fatma Tuygar Okutucu | |
| Student seminar- A case presentation with anxiety disorder | 11.00-12.00 | Dr. Fatma Tuygar Okutucu | |
| Free/Optional working | 13.30-17.00 |  | |
| **Thursday** | Free working hour | 08.00-09.30 |  | |
| Inpatient evalualtion with whole clinical staff | 10.30-12.00 | Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task | |
| CBE(Case based evaluation) Third session | 13.30-15.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |
| A brief review before examination | 15.00-17.00 | Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task | |
| **Friday** | Oral Examination | 09.30-12.00 |  | |
| Written Exam | 13.30-14.30 | Pyschiatry department classroom | |
| Internship post feedback meeting | 15.00-17.00 | Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task | |

### 5. MATCHING PSYCHIATRY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

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| **MATCHING PSYCHIATRY COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| 01 | Psychiatric signs and symptoms | Dr. H.Ozcan | 2 |  | 1,2,3,4,5,6,7,8,9,10,11,12 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,29,21,22, 23 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22, | 1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31,34 |
| 02 | Psychiatric examination | Dr. H.Ozcan | 2 |  | 1,2,3,4,5,6,7,8,9,10,11,12 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,29,21,22, 23 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31,34 |
| 03 | Schizophrenia | Dr. H.Ozcan | 2 |  | 2,5,7,8,10,12 | 12 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31 |
| 04 | Other psychotic disorders | Dr. H.Ozcan | 1 |  | 2,5,7,8,10,12 | 12 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31 |
| 05 | Forensic Psychiatry | Dr. H.Ozcan | 2 |  | 2,4,5,7,8,10, 11, | 1,2,3,4,6,7,8,12,13,16,18,23 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 2,4,6,7,8,9,10,11,12,14,20,30,31 |
| 06 | Issues about gender identity, sexual function disorders | Dr. H.Ozcan | 2 |  | 3 | 5,6,18 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 34 |
| 07 | Major Depressive Disorder | Dr. Hacer Akgul Ceyhun | 2 |  | 1,2,4,5,7,12 | 3,4,5,8,13,17, 18 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,4,5,6,7,8,9,10,11,12, 14,18,20,23,25,27,30,31 |
| 08 | Other Depressive Disorders | Dr. Hacer Akgul Ceyhun | 2 |  | 1,2,4,5,7,12 | 3,4,5,8,13,17, 18 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,4,5,6,7,8,9,10,11,12, 14,18,20,23,25,27,30,31 |
| 09 | Bipolar Disorder | Dr. Serap Sarı | 3 |  | 1,2,3,4,5,6,7,8,9,10,12 | 4,18 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,4,5,6,7,8,9,10,11,12, 14,18,20,23,25,27,30,31 |
| 10 | Anxiety Disorders | Dr. Fatma Tuygar Okutucu | 3 |  | 1,3,4,6,10,12 | 9,10,11,14,23 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,24 | 5,8,23,25,27 |
| 11 | Obsessive Compulsive and Related Disorders | Dr. Fatma Tuygar Okutucu | 2 |  | 1,3,4,10,12 | 9,10,11,14 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 5,8,20,23,25,27,29,30,31 |
| 12 | Somatoform Disorders | Dr. Esat Fahri Aydin | 2 |  | 1,3,4,9,10,12 | 2,21 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 5,7,12,14,20,23,25,27,30,31 |
| 13 | Dissociative Disorders | Dr. Esat Fahri Aydın | 1 |  | 1,3,4,9,10,12 | 7,21 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 27 |
| 14 | Sleep Disorders | Dr. Serap Sari | 1 |  | 1,4,12 | 13 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 2715 |
| 15 | Basic Cognitive Disorders | Dr. Hacer Akgul Ceyhun | 2 |  | 2,8,10,11,12 | 3,20,22 | 1,2,3,4,5,6,7,8,10,141,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21, 22 | 8,11,12,14,20,2516 |
| 16 | Eating Disorders | Dr. Serap Sari | 1 |  | 1,4,5 | 15 | 3,4,5,7,12,13,14,15,16,17,18,19,20,21,22 | 25 |
| 17 | Substance Related Disorders and Substance Dependency | Dr. Serap Sari | 3 |  | 1,2,3,4,5,6,7,8,9,10,11,12 | 1,18,19,22 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 2,8,10,11,20,29 |
| 18 | Personality and Personality Disorders | Dr. Esat Fahri Aydin | 3 |  | 1,2,4,7,9,10 | 8 | 2,3,4,5,6,8,9,10,11,12,16,17,18,19,20,21,22 | 1,5,8,20 |
| 19 | Impulse Control Disorders | Dr. Serap Sari | 1 |  | 1,6,10 | 1,9,15,21,23 | 2,3,4,5,6,,8,9,10,11,12,16,17,18,19,20,21,22 | 29 |
| 20 | Psychiatric Emergencies | Dr. Fatma Tuygar Okutucu | 2 |  | 1,2,3,4,5,6,7,8,9,10,12 | 4,12,18,19,22,23,24 | 2,3,4,5,6,7,8,9,10,11,12, 13,14,15,16,17,18,19,20,21,22 | 2,8,9,10,11,18,20 |
| 21 | Entrance to Psychopharmacology | Dr. Hacer Akgul Ceyhun | 1 |  | 1,2,3,4,5,6,7,8,9,10,12 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,3,4,5,6,8,9,12,14,16,17,18,19,20,21,22 | 5,7,8,12,14,20,23,25,27, 30,31 |
| 22 | Antidepressants | Dr. Hacer Akgul Ceyhun | 2 |  | 1,2,3,4,6,7,9,10,11,12 | 9,1,2,3,4,5,7,8,9,10,11,13,14,15,17,18,24 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,21 | 5,7,8,12,14,20,23,25,27, 30,31 |
| 23 | Mood Stabilizers | Dr. Hacer Akgul Ceyhun | 1 |  | 1,4,6,8,10,12 | 4,18 | 1,3,4,5,6,7,8,9,10,11,12,16,17,18,19,20,21,22 | 5,7,8,12,14,20,23,25,27, 30,31 |
| 24 | Antipsychotics | Dr. Hacer Akgul Ceyhun | 2 |  | 1,2,3,4,5,6,7,8,9,10,11,12 | 12,18 | 4,5,6,8,9,12,13,14,15,17,18,19,20,21,22 | 5,7,8,12,14,20,23,25,27, 30,31 |
| 25 | Other Medications used in Psychiatric Disorders | Dr. Fatma Tuygar Okutucu | 3 |  | 1,2,3,4,5,6,7,8,9,10,11,12 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22, 24 | 4,5,6,8,9,12,13,14,15,17,18,19,20,21,22 | 5,7,8,12,14,20,23,25,27, 30,31 |
| 26 | Trauma and Stress Related Disorders | Dr. Fatma Tuygar Okutucu | 2 |  | 1,2,4,5,7,9,10,12 | 1,2,5,6,7,11,13,14,16,17,19, 21 | 4,5,6,8,9,12,13,14,15,17,18,19,20,21,22 | 1,2,4,5,6,7,8,11,12,14,18,20,23,25,27,30,31 |
| 27 | Psychotherapies | Dr. Esat Fahri Aydin | 2 |  | 1,2,3,4,5,7,8,9,10,11 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,23 | 4,5,6,8,9,12,15,19,20,22 | 1,2,4,5,6,7,8,11,12,14,18,20,23,25,27,30,31,34 |

### 6. LEARNING METHODS OF PSYCHIATRY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF PSYCHIATRY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * Independent learning * Learning based on projects and researches |
| **Learning Methods Related with Professionalism** |
| * Interdisciplinary education activities (meetings, panels, group debates) * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR PSYCHIATRY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels.After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkshipresponsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V PSYCHIATRY CLERKSHIP STUDENT TRAItNEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approval (Date)** |
| **A. Taking Anamnesis** | | | |
| Taking anamnesis according to the patients symptoms | **4** | **1** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Mental Examination | **3** | 1 |  |
| **C. Registration, Reporting and Notification** | | | |
| Writing appropriate prescriptions in case of emergency and mild disease | **4** | 1\* |  |
| Writing Prescription | **4** | 1\* |  |
| Preparing patient file and presentation of the patient | **4** | 1 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Evaluating ability of laboratory findings | **4** | 3 |  |
| Choosing the needed brain imaging and electrophysiological techniques | **4** | 3\* |  |
| Choosing the appropriate psychological and neuropsychological tests and basically evaluation | **3** | 3 |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Interventions to emergent psychiatric situations | **3** | 1\* |  |
| Rational medication use | **3** | 1 |  |
| Intervention to suicide | **2** | 1 |  |
| Minimental State Examination | **3** | 1 |  |
| Diagnosing and planning treatment according to anamnesis and examination | **3** | 1 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **Impression about the student-Features on Professionalism (will be marked by academics)** | | |  |
| **Compliance with internship program** | | |  |
| **Compliance with group work** | | |  |
| **II- Impression about the student-Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-Clinical Problem Solving (out of 5)**  (Marked given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\***Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8.ASSESSMENT AND EVALUATION METHODS IN PSYCHIATRY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN PSYCHIATRY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5%).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)   Sınavınızda hasta başı sınav yapıyorsanız Anabilim Dalının takdirine göre 15 puan verilebilir bilgi veriniz.Bu bölümle ilgili uygulamanız yoksa sözlü puanı 85 e çıkarılmalı Lütfen bu bölümü silmeyi unutmayınız)   * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information).Total contribution to the Practical-Oral Examination(70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 50 multiple choice questions and case-based multiple choice questions (evaluating clinical information and clinical right decision giving performance). * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V NEUROLOGY CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED509 |  | **Type** | Compulsory |
| **Period** | 3 weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **NEUROLOGY CLERKSHIP -** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Up To Date |
| **2.** | *Adams and Victor's Principles of Neurology*  *ISBN:* 9780071842617 |
|  |  |

|  |  |
| --- | --- |
| **SESSION V NEUROLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. SESSION V NEUROLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE NEUROLOGY CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis by evaluating the central and peripheral nerve anatomy, physiological features, signs and symptoms of related diseases. |
|  | Defining emergencies for neurology and making emergency treatment. |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria. |
|  | To be able to provide referral when necessary after emergency intervention and treatment. |
|  | Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills. |
|  | It can provide the knowledge, skills and professionalism features set for the internship. |

### 2. SESSION V NEUROLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 5 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 4 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 3 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 1 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE SESSION V NEUROLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Neurology clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SESSION V NEUROLOGY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
|  | Headache | 10 | Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.) | 18 | Syncope |
|  | Vertigo | 11 | Chronic pain | 19 | Recurrent falls |
|  | Consciousness changes | 12 | Having a seizure | 20 | Tremor |
|  | Cognitive disorders / forgetfulness | 13 | Neuropathic pain | 21 | Urinary incontinence |
|  | Double vision | 14 | Paresthesia |  |  |
|  | Problems with balance / movement | 15 | Paresis, paralysis |  |  |
|  | Visual impairment / loss | 16 | Ptosis |  |  |
|  | Movement disorders | 17 | Pupil changes |  |  |
| 9. | Muscle weakness |  |  |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Neurology clerkship period.

|  |  |
| --- | --- |
| **SESSION V NEUROLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 4) Epilepsy  (6) Facial paralysis  (7) Transient ischemic attack  (10) Stroke  (11) Intracranial hemorrhages  (12) Intracranial pressure increase syndrome (KIBAS; acute cerebrovascular events)  (14) Koma  (15) Migraine  (17) Myastenia gravis and cholinergic crisis |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | (1) Alzheimer's disease  (2) Ataxic disorders  (3) Cognitive (cognitive) disorders (Dementia)  (4) Epilepsy  (5) Essential tremor  (9) Guillain ‐ Barré syndrome  (13) Muscular diseases (myopathies)  (16) Multiple sclerosis  (18) Optical neuritis  (19) Parkinson's disease  (20) Peripheral neuropathy  (21) Polymyositis and dermatomyositis  (22) Poliomyelitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | (6) Facial paralysis  (15) Migraine |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | (8) Tension-type headache |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | (1) Alzheimer's disease  (3) Cognitive (cognitive) disorders (Dementia)  (4) Epilepsy  (10) Stroke  (15) Migraine  (22) Poliomyelitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | (1) Alzheimer's disease  (3) Cognitive (cognitive) disorders (Dementia)  (4) Epilepsy  (10) Stroke  (15) Migraine |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Neurology clerkship period.

|  |  |
| --- | --- |
| **SESSION V NEUROLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | (14) Ability to perform lumbar puncture |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | ------------------------ |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | (2) To evaluate the mental situation  (5) Neurological examination  (11) To be able to interpret the results of screening and diagnostic purposes  (15) Minimental status examination |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | (1) To be able to take general and problematic stories  (3) Consciousness assessment  (4) Evaluation of general condition and vital signs (6) Illumination and consent  (7) To prepare patient file  (8) Editing a recipe  (9) To fill the request form for laboratory examination  (10) To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory.  (12) Evaluation of Glasgow / AVPU coma scale  (13) To be able to refer patients appropriately |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Neurology clerkship period

|  |  |
| --- | --- |
| **SESSION V NEUROLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  | Work and health interaction |
|  | (1) The effect of the disease on work and return to work after the disease (rehabilitation) |
|  | Chronic / Noncommunicable Diseases |
|  | (2) Monitoring and prevention of risk factors  (3) Management |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **INTERNAL MEDICINE CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. SESSION V NEUROLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION V NEUROLOGY CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | |
| **DAYS** | **SUBJECT OF THE LESSON** | **LESSON TIME** | **TEACHING STAFF** |
| **1. WEEK** | | | |
| **Monday** | Patient Visiting | 08:00-10:00 |  |
| Information about internships and professional values in clinical practice | 10:00-11:00 | Asst. Prof.Fatma ŞİMŞEK |
| Neurological Examination-1 | 11:10-12:00 | Asst. Prof. Fatma ŞİMŞEK |
| Neurological Examination-2 | 13:30-14:30  14:40-15:30 | Asst. Prof. Fatma ŞİMŞEK |
| Free working | 16:00-17:00 |  |
| **Tuesday** | Seminar presentation | 08:00-10:00 |  |
| Cerebrovascular Diseases -1 | 10:00-11:00 | Asst. Prof. Alper EREN |
|  | 11:10-12:00 |  |
| Cerebrovascular Diseases -2 | 13:30-14:30 | Asst. Prof. Alper EREN |
|  | 14:40-15:30 |  |
| Case-based Learning 1: 1nd. session | 16:00-17:00 | Asst. Prof. Alper EREN  Asst. Prof. Mehmet Nuri KOÇAK  Assoc. Prof. Mustafa CEYLAN |
| **Wednesday** | Patente Visiting | 08:00-10:00 | Asst. Prof. Alper EREN |
| Cerebrovascular Diseases -3 | 10:00-11:00 | Asst. Prof. Alper EREN |
|  | 11:10-12:00 |  |
| Elective course / Free working | 13:30-17:00 |  |
| **Thursday** | Case Presentation | 08:00-10:00 |  |
| Cranial Nerves | 10:00-11:00  11:10-12:00 | Asst. Prof. Mehmet Nuri KOÇAK |
| Speech Disorders | 13:30-14:30  14:40-15:30 | Asst. Prof. Alper EREN |
| Case-based Learning 1: 2nd. Session | 16:00-17:00 | Asst. Prof. Alper EREN  Asst. Prof. Recep Yevgi  Assoc. Prof. Mustafa CEYLAN |
| **Friday** | Patient Visiting | 08:00-10:00 |  |
| Epilepsy -1 | 10:00-11:00  11:10-12:00 | Asst. Prof. Fatma ŞİMŞEK |
| Epilepsy -2 | 13:30-14:30  14:40-15:30 | Asst. Prof. Fatma ŞİMŞEK |
| Case-based learning 1: 3nd. session | 16:00-17:00 | Asst. Prof. Üyesi Alper EREN  Asst. Prof. Üyesi Recep Yevgi  Assoc. Prof. Mustafa CEYLAN |
| **2. WEEK** | | | |
| **Monday** | Patient Visit | 08:00-10:00 |  |
| Movement Disorders -1 | 10:00-11:00  11:10-12:00 | Assoc. Prof. Mustafa CEYLAN |
| Movement Disorders -2 | 13:30-14:30  14:40-15:30 | Assoc. Prof. Mustafa CEYLAN |
| Case-based learning 2: 1nd. session | 16:00-17:00 | Asst. Prof. Fatma ŞİMŞEK  Asst. Prof. Nuray BİLGE  Asst. Prof Mehmet Nuri KOÇAK |
| **Tuesday** | Seminar Presentation | 08:00-10:00 |  |
| Consciousness Disorders | 10:00-11:00  11:10-12:00 | Asst. Prof. Mehmet Nuri KOÇAK |
| Brain Death and Ethical Approach | 13:30-14:30  14:40-15:30 | Asst. Prof. Mehmet Nuri KOÇAK |
| Case-based learning 2: nd. session | 16:00-17:00 | Asst. Prof. Fatma ŞİMŞEK  Asst. Prof. Nuray BİLGE  Asst. Prof Mehmet Nuri KOÇAK |
| **Wednesday** | Patient Visit | 08:00-10:00 |  |
| Demyelinating Diseases and Multiple Sclerosis-1 | 10:00-11:00  11:10-12:00 | Asst. Prof. Nuray BİLGE |
| Elective course / Free working | 13:30-17:00 |  |
| **Thursday** | Case Presentation | 08:00-10:00 |  |
| Headaches-1 | 10:00-11:00  11:10-12:00 | Asst. Prof. Mehmet Nuri KOÇAK |
| Demyelinating Diseases and Multiple Sclerosis-2 | 13:30-14:30  14:40-15:30 | Asst. Prof. Nuray BİLGE |
| Case-based learning 2: 3nd. session | 16:00-17:00 | Asst. Prof. Fatma ŞİMŞEK  Asst. Prof. Nuray BİLGE  Asst. Prof Mehmet Nuri KOÇAK |
| **Friday** | Patient Visit | 08:00-10:00 |  |
| Muscle Diseases | 10:00-11:00  11:10-12:00 | Asst. Prof. Recep YEVGİ |
| Neuromuscular Junction Disorders | 13:30-14:30  14:40-15:30 | Asst. Prof. Recep YEVGİ |
| Free working | 16:00-17:00 | Assosıate Prof. Mustafa CEYLAN |
| **3. WEEK** | | | |
| **Monday** | Patient Visit | 08:00-10:00 |  |
| Cognitive Disorders | 10:00-11:00  11:10-12:00 | Ass. Prof. Mustafa CEYLAN |
| Behavioral Disorders-Delirium | 13:30-14:30  14:40-15:30 | Ass. Prof. Mustafa CEYLAN |
| Free working | 16:00-17:00 | - |
| **Tuesday** | Seminar Presentation | 08:00-10:00 |  |
| Medulla Spinalis Diseases -1 | 10:00-11:00  11:10-12:00 | Asst. Prof. Nuray BİLGE |
| Medulla Spinalis Diseases -2 | 13:30-14:30  14:40-15:30 | Asst. Prof. Nuray BİLGE |
| Free working | 16:00-17:00 | - |
| **Wednesday** | Patient Visit | 08:00-10:00 |  |
| Polyneuropathies -1 | 10:00-11:00  11:10-12:00 | Asst. Prof. Recep YEVGİ |
| Elective course / Free working | 13:30-17:00 | - |
| **Thursday** | Practice Examination | 08:00-17:00 | Practical Exam with Patient |
| **Friday** | Oral examination | 08:00-12:00 |  |
| Theoretical examination | 13:00-17:00 | Oral and Theoretical examination |

### 5. MATCHING NEUROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING SESSION V NEUROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| **NEU**001 | Neurological Examination | *Asst. Prof.*  *Fatma ŞIMŞEK* | 6 | 3 | 1,2,3,4,5,6,7,8,9,  10,11,12,13,14,15,16,17,18,19,20,21, | 1,2,3,4,5,6,7,8,9,  10,11,12,13,14,15,16,17,18,19,20,21,22 | 1,2,3,4,5,6,7,8,9,12,15 | --- |
| NöRO002 | Cerebrovascular Diseases | *Asst. Prof.*  *Alper EREN* | 6 | 3 | 1,2,3,4,5,6,7,,9,10,12,14,15,16,17,18,21 | 7,10,11,12,14 | 1,2,3,4,5,6,7,8,9,10  11,12,13,14 | 1,2,3 |
| NöRO003 | Consciousness Disorders | *Asst. Prof. Mehmet Nuri KOÇAK* | 2 | 1 | 1,2,3,4,10,12,17,  18 | 10,11,12,14 | 1,3,4,5,6,7,9,10  11,12,13,14 | 1 |
| NöRO004 | Cranial Nerves | *Asst. Prof. Mehmet Nuri KOÇAK* | 2 | 2 | 1,2,3,4, 5,7,10, 11, 13, 16,17 | 6,9,10,11,12,12,14,16,18 | 1,3,4,5,7,9,10  11,13 | --- |
| NöRO005 | Movement Disorders | *Asst. Prof.* Mustafa CEYLAN | 6 | 2 | 6,8,19,20 | 2,5,19, | 1,3,3,4,5,6,7,,9,10  11,13 | 1,2,3 |
| NöRO006 | Epilepsy | *Asst. Prof.*  *Fatma ŞIMŞEK* | 4 | 3 | 3,12,18 | 3,21 | 1,3,4,5,7,9,10  11,13 | 2,3 |
| NöRO007 | Speech Disorders | *Asst. Prof. Alper EREN* | 4 | 3 | 3,4,10, | 2,7,10,11,14,15,16 | 1,3,4,5,9,10  11,13 | 1 |
| Nöro-008 | Brain Death and Ethical Approach | *Asst. Prof. Mehmet Nuri KOÇAK* | 2 | 1 | 3,17 | 10,11,12,14, | 1,4,5,7,9,10  11,12,13 | --- |
| Nöro-009 | Headaches | *Asst. Prof. Mehmet Nuri KOÇAK* | 4 | 2 | 2,3,5,6,10,13,16,  17, | 8,10,11,12,15, | 1,3,4,5,7,8,9,10  11,13 | 3 |
| Nöro-010 | Muscle Diseases | *Asst. Prof.*  Recep YEVGI | 4 | 2 | 9,16, | 13,17 | 1,4,5,7,9,10  11,13 | 1,2,3 |
| Nöro-011 | Neuromuscular Junction Disorders | *Asst. Prof.*  Recep YEVGI | 4 | 2 | 5,9,16 | 17 | 1,4,5,7,9,10  11,13 | 1,2,3 |
| Nöro-012 | Demyelinating Diseases | *Asst. Prof.*  *Nuray BILGE* | 6 | 3 | 2,5,6,7,9,10,11,12,  13,14,15,17,19,20,21 | 16,18 | 1,2,4,5,6,7,8,9,10  11,13,14 | 1,2 |
| Nöro-013 | Cognitive Disorders | *Asst. Prof.* Mustafa CEYLAN | 2 | 2 | 3,4,10 | 1,3 | 1,4,5,6,7,9,10  11,12,13,15 | 1,2 |
| Nöro-014 | Behavioral Disorders-Delirium | *Asst. Prof.* Mustafa CEYLAN | 2 | 2 | 3,4,10 | 1,3 | 1,2,3,4,5,7,9,10  11,13,15 | 1,2 |
| Nöro-015 | Medulla Spinalis Diseases | *Asst. Prof.*  *Nuray BILGE* | 4 | 3 | 6,13,14,15,19 | 16 | 1,4,5,9,10  11,13 | 1 |
| Nöro-016 | Polyneuropathies | *Asst. Prof.*  Recep YEVGI | 2 | 2 | 6,9,11,13,14,15,19 | 9,20 | 1,4,5,7,9,10  11,13 | 1 |

### 6. LEARNING METHODS OF SESSION V NEUROLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF NEUROLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * Case-based evaluation * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR SESSION V NEUROLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-** **SESSION V NEUROLOGY CLERKSHIP  STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| To be able to take general and problematic stories | 4 | 2\* |  |
| To evaluate the mental situation | 4 | 2\* |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Evaluation of general condition and vital signs | 4 | 3\* |  |
| Neurological examination | 3 | 3\* |  |
| Consciousness Evaluation | 4 | 2\* |  |
| **C. Registration, Reporting and Notification** | | | |
| Preparing a patient file | 4 | 2\* |  |
| Ability to edit a recipe | 4 | 2\* |  |
| Lighting and consent | 4 | 2\* |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | 4 | 2\* |  |
| Filling the request form for laboratory examination | 4 | 2\* |  |
| To be able to interpret the results of screening and diagnostic purposes | 3 | 2\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Lumbar puncture | 1 | 2 |  |
| Evaluation of Glasgow / AVPU coma scale | 4 | 3\* |  |
| Minimental status examination | 3 | 2\* |  |
| Ability to refer the patient appropriately | 4 | 1\* |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN SESSION V NEUROLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN SESSION V NEUROLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (%).5   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (% 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 50 (written and / or multiple choice) questions. * Written and / or multiple choice questions evaluating clinical information and written and / or multiple choice questions depending on the case evaluating clinical decision making * Not scoring less than 60 points out of 100 in the theoretical (written and / or multiple choice) exam, is considered unsuccessful. * The evaluation that fails the theoretical (written and / or multiple choice) exam takes the make-up exam of the internship. |
| **SUCCESS GRADE** |
| * Internship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical (written and / or multiple choice) exam. |
| **MAKE-UP EXAM** |
| If the student who does not take the practical-verbal or theoretical (multiple choice) exam or fails, does not take the make-up exams or fails the make-up exam, he / she is considered unsuccessful from that internship and repeats that internship. |

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| SESSION V NEUROSURGERY CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED501 |  | **Type** | Compulsory |
| **Period** | 2 weeks |  | **ECTS** | 4 |

|  |  |
| --- | --- |
| **NEUROSURGERY CLERKSHIP-Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK-OTHERS)** | |
| 1. | Nöroşirürji Ders Kitabı/Hakan Hadi Kadıoğlu |
| 2. | Temel Nöroşirurji /Türk Nöroşirurji Derneği Yayınları |
| 3. | Temel Nöroşirurji /Kemal Benli |
| 4. | Nöroşirurji El Kitabı/Mark S. Greenberg |
| 5. | Resimli Nöroloji ve Nöroşirurji/Mustafa Bozbuğa |
| 6. | Youmans Neurological Surgery/Richard Winn |

|  |  |
| --- | --- |
| **NEUROSURGERY CLERKSHIP-RULES FOR STUDENTS** | |
| 1 | Clerkship training starts at 08.00 a.m and ends at 5 p.m. |
| 2 | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| 3 | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms/ conditions, core diseases/clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to obey during the clerkship. |
| 4 | Students are obliged to keep the **“Ataturk University School of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| 5 | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| 6 | **In order to be successful at the end of the clerkship; s**tudents are required to take at least 60 point from each Practical and Theoretical exams, in Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University School of Medicine Teaching and Exam Application Principles”. |
| 7 | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. NEUROSURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE NEUROSURGERY CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis by evaluating the central and peripheral nervous system and spine anatomy, physiological features, signs and symptoms of the diseases affecting them. |
|  | To be able to perform emergency treatment by defining the emergencies for the nervous system and spine |
|  | To be able to design and perform a treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide referral when necessary after emergency intervention and treatment |
|  | To demonstrate protective and rehabilitative approaches in cases of brain and spinal cord diseases causing disability |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. NEUROSURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to“Ataturk University School of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 5 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 4 | 3 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 3 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 1 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE NEUROSURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms/Signs/ Status during the Neurosurgery clerkship period

|  |  |  |  |
| --- | --- | --- | --- |
|  | Headache | 9. | Speech disorders (aphasia, dysphasia, dysarthria, etc.) |
|  | Vertigo | 10. | Seizures |
|  | Back and lomber pain | 11. | Neuropathic pain |
|  | Cervical pain | 12. | Parestesia |
|  | Consciousness changes | 13. | Paresis, Paralysis |
|  | Nausea and vomiting | 14. | Pitosis |
|  | Visual impairment/loss | 15. | Pupil changes |
|  | Hearing impairment and tinnitus | 16. | Balance and movement disorders |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Neurosurgery clerkship period.

|  |  |
| --- | --- |
| **NEUROSURGERY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Epilepsy 2. Intracranial hemorrhages 3. Increased intracranial pressure ( Acute cerebrovascular diseases) 4. Coma 5. Head Trauma 6. Spinal Trauma |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Ataxia disorders 2. Hidrocephalus 3. Intracranial mass 4. Peripheral neuropathy 5. Spinal cord compressions |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Disc Herniations 2. Congenital malformations 3. Epilepsy 4. Neural Tube Defects |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** |  |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Disc Herniations 2. Congenital Malformations 3. Epilepsy 4. Neural Tube Defects |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 1. Epilepsy |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Neurosurgery clerkship period.

|  |  |
| --- | --- |
| **NEUROSURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and/or relatives  **(learning level 1).** | -------- |
|  |  |
| Skills specified in the adjacent column;  **in an emergency situation**, performs the application in accordance **with the guide/ instruction**  **(learning level 2).** | -------- |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment/evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(learning level 3).** | 1. Neurologic examination 2. Preparing a forensic report 3. To be able to prepare health reports in accordance with current legislation 4. To be able to evaluate direct radiographs 5. To be able to interpret the results of screening and diagnostic purposes 6. Airway application 7. Evaluation of multiple trauma patients 8. Ability to open vascular access 9. To take measures to stop/limit external bleeding 10. Ability to take biological sample from the patient 11. Ability to put urinary catheter 12. Ability to provide advanced life support 13. Being able to take samples for culture 14. Enema applying 15. To be able to put nasogastric catheter 16. Ability to care for wound /burns 17. Being able to apply the principles of evidence-based medicine in the clinical decision making process. |
|  |  |
| Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations/cases, creates the necessary plans and informs the patients and their relatives **and does the application (learning level 4).** | 1. Taking medical history 2. Evaluation of consciousness 3. Evaluation of the general condition and vital signs 4. Illumination and obtaining consent 5. Being able to prepare epicrisis 6. To be able to prepare patient file 7. To be able to issue a recipe 8. To be able to prepare refusal of treatment 9. To be able to provide decontamination, disinfection, sterilization, antisepsis 10. Filling out the request form for laboratory examination 11. Hand washing 12. To be able to evaluate Glasgow/AVPU coma scale 13. To ensure that the patient is properly transported 14. To be able to give the patient a coma position 15. To be able to refer the patient appropriately 16. IM, IV, SC, ID injection 17. To be able to measure blood pressure 18. To be able to apply cervical collar (neck collar) 19. Ability to provide basic life support 20. Ability to shoot and take superficial sutures |

**D.In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Neurosurgery clerkship period

|  |  |
| --- | --- |
| **NEUROSURGERY CLERKSHIP–LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
| **1.** | **13. Accidents**  b. Traffic accidents |
|  |  |
| **2.** | **18. Death, dying individual and mourning**  c. Telling the bad situation or death of a person |
|  |  |
| **3.** | **30. Malpractice and unprofessional behavior**  a. Malpractice |

**E. In terms of professionalism:** Attitudes listed below are expected to be gained during the period of Neurosurgery clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THENEUROSURGERY CLERKSHIP** |
| 1. Totalitarian approach to health (bio‐psycho‐social and cultural approach), patien ‐centered approach, community oriented medicine.  2. Rights-based health approach.  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork.  4. History of medicine and thought/values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism/ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines.  15. Being able to share their knowledge and professional experience with other members of the team. |

### 4. NEUROSURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION V NEUROSURGERYCLERKSHIP-WEEKLY COURSE PROGRAM** | | | |
| **DAYS** | **SUBJECT OF THE LESSON** | **LESSON TIME** | **TEACHING STAFF** |
| **1. WEEK** | | | |
| **Monday** | Information about the clerkship-  Ethical and professional values in clinical practice | 08.10-09.00 | Proff. Hakan Hadi KADIOĞLU |
| Neurologic Examination | 09.10-10.00 | Responsible Trainer of Clerkship |
| Increased Intracranial Pressure, Brain Edema, Herniation Syndromes | 10.10-11.00 | Proff. Hakan Hadi KADIOĞLU |
| Free Working Time | 11.10-12.00 |  |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **Tuesday** | Clinic Visit | 08.10-09.00 | Proff. Gökşin ŞENGÜL |
| Subarachnoid hemorrhagea and Brain Aneurysms | 09.10-10.00 | Proff. Gökşin ŞENGÜL |
| Free Working Time | 10.10-12.00 |  |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **Wednesday** | Clinic Visit | 08.10-09.00 | Asst. Prof. Mehmet Kürşat KARADAĞ |
| Spine and Spinal Cord Injuries | 09.10-10.00 | Asst. Prof. Mehmet Kürşat KARADAĞ |
| Free Working Time | 10.10-11.00 |  |
| CBL (Case-based learning) (1st session) | 11.10-12.00 | Responsible Trainer of Clerkship |
| Optional/ Free Working Time | 13.30-17.00 |  |
| **Thursday** | Clinic Visit | 08.10-09.00 | Assoc. Prof. Mürteza ÇAKIR |
| Intervertebral Disc Herniations | 09.10-10.00 | Assoc. Prof. Mürteza ÇAKIR |
| Free Working Time | 10.10-12.00 |  |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **Friday** | Seminar | 08.10-09.00 |  |
| Hydrocephalus | 09.10-10.00 | Asst. Prof. Mehmet Emin AKYÜZ |
| Free Working Time | 10.10-12.00 |  |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **2. WEEK** | | | |
| **Monday** | Clinic Visit | 08.10-09.00 | Asst. Prof. Mehmet Hakan ŞAHİN |
| Brain Tumors | 09.10-10.00 | Asst. Prof. Mehmet Hakan ŞAHİN |
| Free Working Time | 10.10-11.00 |  |
| CBL (Case-based learning) (2nd session) | 11.10-12.00 | Responsible Trainer of Clerkship |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **Tuesday** | Clinic Visit | 08.10-09.00 | Asst. Prof. Mehmet Kürşat KARADAĞ |
| Head Traumas | 09.10-10.00 | Asst. Prof. Mehmet Kürşat KARADAĞ |
| Free Working Time | 10.10-12.00 |  |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **Wednesday** | Clinic Visit | 08.10-09.00 | Asst. Prof. Mete ZEYNAL |
| Congenital Spinal Malformations | 09.10-10.00 | Asst. Prof. Mete ZEYNAL |
| Free Working Time | 10.10-11.00 |  |
| CBL (Case-based learning) (3rd session) | 11.10-12.00 | Responsible Trainer of Clerkship |
| Optional/ Free Working Time | 13.30-17.00 |  |
| **Thursday** | Clinic Visit | 08.10-09.00 | Proff. Mehmet Dumlu AYDIN |
| Peripheral Nerve Injuries | 09.10-10.00 | Proff. Mehmet Dumlu AYDIN |
| Free Working Time | 10.10-12.00 |  |
| Clinics (Group1)  Outpatient Clinic (Group 2)  Operating Room (Group3) | 13.30-17.00 | Responsible Trainer of Clerkship |
| **Friday** | Seminar | 08.10-09.00 |  |
| Practical Exam | 09.10-12.00 |  |
| Theorical Exam | 13.30-14.30 |  |
| Post-internship feedback meeting | 14.40-17.00 |  |

### 5. MATCHING NEUROSURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING NEUROSURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptom/ Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| NRS001 | Increased intracranial pressure, Brain Edema, Herniation Syndromes | Dr. HH. Kadıoğlu | 1 |  | 1, 2, 4, 6, 8, 10, 11, 14, 15, 16 | 1, 2, 3, 4, 5, 7, 8, 9, 14, 18, 20 | 1, 3, 4, 5, 6, 8, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 31, 32, 33, 34, 37 | 2, 3 |
| NRS002 | Subarachnoid Hermorrhage and Brain Aneurysms | Dr. G. Şengül | 1 |  | 1, 2, 4, 6, 8, 10, 11, 14, 15, 16 | 1, 2, 3, 5, 7, 14, 18, 20 | 1, 3, 5, 6, 8, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 37 | 2, 3 |
| NRS003 | Spine and Spinal Cord Injuries | Dr. MK. Karadağ | 1 |  | 3, 5, 12, 13, 14 | 6, 7, 10, 11 | 1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 33, 34, 35, 37 | 1, 2, 3 |
| NRS004 | Disc Herniations | Dr. M. Çakır | 1 |  | 3, 5, 7, 12, 13, 14 | 10, 11, 12, 16 | 1, 2, 4, 11, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 33, 37 | 3 |
| NRS005 | Hydrocephalus | Dr. M.E. Akyüz | 1 |  | 1, 2, 4, 6, 7, 8, 10, 11, 16 | 1, 3, 5, 8, 13, 14, 18, 20 | 1, 3, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 36 | 2, 3 |
| NRS006 | Brain Tumors | Dr. MH. Şahin | 1 |  | 1, 2, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16 | 1, 3, 5, 9, 14, 18, 20 | 1, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37 | 2, 3 |
| NRS007 | Head Traumas | Dr. MK. Karadağ | 1 |  | 1, 2, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16 | 1, 2, 3, 4, 5, 7, 9, 14, 18, 20 | 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 | 1, 2, 3 |
| NRS008 | Congenital Spinal Malformations | Dr. M. Zeynal | 1 |  | 7, 12, 13, 14 | 11, 13, 15, 17, 19 | 1, 3, 4, 5, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35, 36 | 2, 3 |
| NRS009 | Peripheral Nerve Injuries | Dr. MD. Aydın | 1 |  | 12, 13, 14 | 10 | 1, 2, 3, 4, 5, 7, 8, 9, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 28, 33, 34, 37 | 3 |

### 6. LEARNING METHODS OF NEUROSURGERY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF NEUROSURGERY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture/presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR NEUROSURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University School of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY SCHOOL OF MEDICINE-SESSION V NEUROSURGERY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching StaffApprove (Date)** |
| **A. Taking Anamnesis** | | | |
| To be able to take medical history | **4** | **5\*** |  |
|  |  |  |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Neurological Examination | **3** | 5\* |  |
| Evaluation of Consciousness and Approach to Coma Patient | **4** | 5\* |  |
| **C. Registration, Reporting and Notification** | | | |
| Writing prescriptions | **4** | 5\* |  |
| Preparing a patient file | **4** | 3\* |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions | **4** | 5\* |  |
| Filling the request form for laboratory examination | **4** | 5\* |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 5\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Wound-burn care | **3** | 1\* |  |
| LP | **1** | 1\* |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\***Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and/or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment/evaluation, creates the necessary plans, implements and informs patients and relatives/society about the process and its results. | |

### 8.ASSESSMENT AND EVALUATION METHODS IN NEUROSURGERY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN NEUROSURGERY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** t is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical/ interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he/she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V OPHTHALMOLOGY GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED505 |  | **Type** | Compulsory |
| **Period** | 2 weeks |  | **ECTS** |  |

|  |  |
| --- | --- |
| **OPHTHALMOLOGY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Lecture notes prepared by teaching staffs |
| **2.** |  |
| **3.** |  |

|  |  |
| --- | --- |
| **OPHTHALMOLOGY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. OPHTHALMOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE OPHTHALMOLOGY CLERKSHIP PROGRAM** | |
|  | To be able to diagnose by evaluating the anatomical and physiological features of the eye, the signs and symptoms of the diseases affecting them |
|  | To be able to perform emergency treatment by defining emergency situations for the eye |
|  | To be able to create and apply a treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide referral when necessary after emergency intervention and treatment |
|  | To be able to exhibit preventive and rehabilitative approaches in situations that can cause visual impairment |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship |

### 2. OPHTHALMOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 3 | 4 | 5 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 |
| **Program Qualifications** | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |  |  |  |  |  |  |
| **Contribution levels** | 4 | 5 | 3 | 4 |  |  |  | 4 | 4 | 4 |  |  |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE OPHTHALMOLOGY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Ophthalmology period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **OPHTHALMOLOGY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Headache |  |  |  |  |
| 2 | Nause-vomiting |  |  |  |  |
| 3 | Diplopia |  |  |  |  |
| 4 | Defect of vision |  |  |  |  |
| 5 | Dry eye |  |  |  |  |
| 6 | Red eye |  |  |  |  |
| 7 | Corrosive exposure |  |  |  |  |
| 8 | Ptosis |  |  |  |  |
| 9 | Pupil changes |  |  |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Ophthalmology clerkship period.

|  |  |
| --- | --- |
| **OPHTHALMOLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Allergic reaction 2. Skin injuries 3. Eye trauma(home- work-traffic,fall) |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 1. Allergic reaction 2. Skin tumors 3. Skin and soft tissue infections, abscesses 4. Facial paralysis 5. Glaucoma 6. Cataract 7. Refractive disorders 8. Optic neuritis 9. Tear duct obstruction 10. Strabismus 11. Uveitis 12. Keratitis |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 1. Conjunctivitis 2. Cataract 3. Allergic reaction |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 1. Conjunctivitis 2. Conjunctivitis in newborns |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 1. Accidents (home-work-traffic, electric shock,fall, asphyxia) 2. Conjunctivitis 3. Conjunctivitis in newborns |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | ----- |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Opthalmology clerkship period.

|  |  |
| --- | --- |
| **OPHTHALMOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. General and problematic, taking a story 2. Eye examination 3. Fundus examination 4. To be able to provide health education to the community 5. To be able to fight infectious diseases in the society 6. Reading and evaluating direct radiographs 7. Using microscope |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 1. General and problematic, taking a story 2. Foreign body removal from the eye 3. To be able to evaluate mental state 4. Obtaining consent 5. To be able to distinguish/manage forensic cases 6. Organizing forensic case notification 7. To be able to consult about disability report 8. To be able to prepare a health report according to the current legislation 9. To be able to refer patient appropriately 10. Reporting legally notifiable diseases and conditions 11. Preparing epicrises 12. Preparing patient file 13. To be able to edit prescription 14. Prepare treatment refusal document 15. To apply the principles of working with biological material 16. To be able to provide decontamination, disinfection, sterilization, antisepsis 17. Filling the request form for laboratory examination 18. To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory. 19. Hand washing 20. To be able to prepare the drugs to be applied correctly 21. Being able to care for wound ‐ burn 22. Superficial stitching and remove 23. To be able to take measures related to the protection of health workers' health 24. Taking measures to prevent infections in public areas 25. To be able to identify risk groups in the society |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | ------- |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | ------ |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Ophthalmology clerkship period

|  |  |
| --- | --- |
| **OPHTHALMOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **13.Accidents**  **a.Home**  **b.Traffic**  **c.Work** |
|  |  |
|  |  |
|  |  |
|  |  |

1. **In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Ophthalmology clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **OPHTHALMOLOGY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. OPHTHALMOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION V OPHTHALMOLOGY CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | |
| **Days** | **The subject of the course** | **Course Hours** | **Teaching Staff** |
| **Monday** | **1. WEEK** | | |
| About Internship | 08:00 - 08.45 | Teaching staff in charge |
| Service Visit | 09.00 - 09.45 | Proff. O. BAYKAL |
| Anatomy | 10.00 - 10:45 | Assoc.Prof. E.ÇİNİCİ |
| Anatomy | 11.00 - 11.45 | Assoc.Prof. E.ÇİNİCİ |
| Clinical Practice in Patients | 14.00 - 14.45 | Assoc.Prof. E. ÇİNİCİ |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 15.00 - 17.00 | Teaching staffs will work in order |
| **Tuesday** | Service Visit | 08.00 - 09.45 | Asst.Prof. M.YILDIRIM |
| Strabismus | 10.00 - 10.45 | Proff. İ. A. SALMAN |
| Paralytic Strabismus and Diplopia | 11.00 - 11.45 | Proff. İ. A. SALMAN |
| Examination Methods in Ophthalmology | 13.00 - 13.45 | Asst.Prof. M.YILDIRIM |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14.00 - 17.00 | Teaching staffs will work in order |
| **Wednesday** | Service Visit | 08.00 - 09.45 | Proff. O. ATEŞ |
| Conjunctivitis, Episcleritis and Scleritis | 10.00 - 10.45 | Proff. O. ATEŞ |
| Corneal Diseases | 11.00 - 11.45 | Proff. O. ATEŞ |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 13.00 - 17.00 | Teaching Sraffs will work in order |
| **Thursday** | Service Visit | 08.00 - 09.45 | Proff. İ. KOÇER |
| Open Angle Glaucoma and Treatment | 10.00 - 10.45 | Proff. İ. KOÇER |
| Acute Glaucoma Crisis and Treatment | 11.00 - 11.45 | Proff. İ. KOÇER |
| CBL (Case-based learning) (1st session) | 13.00 - 13.45 | Teaching staff in charge |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14:00 - 17:00 | Teaching staffs will work in order |
| **Friday** | Service Visit | 08.00 - 09.45 | Proff. İ. A. SALMAN |
| Retinal Artery and Vein Diseases | 10.00 - 10.45 | Proff. O. BAYKAL |
| Optic Neuritis | 11.00 - 11.45 | Proff. O. BAYKAL |
| Retinal detachment | 13.00 - 13.45 | Proff. O. ATEŞ |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14.00 - 17.00 | Teaching staffs will work in order |
| **Monday** | **2. WEEK** | | |
| Service Visit | 08.00 - 09.45 | Assoc.Prof. E. ÇİNİCİ |
| Uveitis | 10.00 – 10.45 | Proff. İ. KOÇER |
| Pediatric Cataracts and Treatment | 11.00 - 11.45 | Proff. İ. KOÇER |
| Adult Cataracts and Treatment | 13.00 - 13.45 | Proff. İ. KOÇER |
| CBL (Case-based learning) (2nd session) | 13.00 - 13:45 | Teaching staff in charge |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14:00 - 17:00 | Teaching staffs will work in order |
| **Tuesday** | Service Visit | 08.00 - 09.45 | Assoc.Prof. O.BAYKAL |
| Refraction Error | 10.00 - 10.45 | Proff. İ. A. SALMAN |
| Refraction Error | 11.00 - 11.45 | Proff. İ. A. SALMAN |
| Diabetic retinopathy | 13.00 - 13.45 | Proff. O. BAYKAL |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14.00 - 17.00 | Teaching staffs will work in order |
| **Wednesday** | Service Visit | 08.00 - 09.45 | Proff. O. ATEŞ |
| Preseptal - Orbital Cellulite | 10:00 – 10.45 | Assoc.Prof. E.ÇİNİCİ |
| Hypertensive retinopathy | 11.00 – 11.45 | Proff. O. ATEŞ |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14.00 - 17.00 | Teaching staffs will work in order |
| **Thursday** | Service Visit | 08.00 - 09.45 | Prof.Dr. İ.KOÇER |
| Mechanical and Chemical Eye Trauma | 10.00 - 10.45 | Assoc.Prof. E.ÇİNİCİ |
| Lacrimal System Diseases | 11.00 - 11.45 | Asst.Prof. M.YILDIRIM |
| CBL (Case-based learning) (3rd session) | 13.00 - 13.45 | Teaching staff in charge |
| Clinic (Group 1)  Outpatient Clinic (Group 2)  Operating Room (Group 3) | 14:00 - 16:00 | Teaching staffs will work in order |
| **Friday** | Exam  Post-Internship Feedback Meeting | 09.00 | Eye Diseases Meeting Room |

### 5. MATCHING OPHTHALMOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING OPHTHALMOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Lesson Code** | **SUBJECT OF THE LESSON** | **TEACHING MEMBER** | **Teoric hour** | **Pratic Hour** | **Symptoms/ situations** | **Clinic problem** | **Basic medical practices** | |
| EYE001 | Informing about internship and Ethical and Professional Values ​​in Clinical Practices | Teaching staff in charge | 1 |  |  |  | 1, 3,5,9,14,16 | |
| EYE002 | Anatomy | Dr. Öğr. Üyesi E.ÇINICI | 1 |  |  |  |  | |
| EYE003 | Semiology in eye diseases | Dr. Öğr. Üyesi M.YILDIRIM | 1 |  |  |  | 22,26 | |
| EYE004 | Bedside applications in the clinic | Dr. Öğr. Üyesi E.ÇINICI |  | 1 | 6,7,8 | 2,3,30,27 | 2,4,7,8,9,11,15,16 | |
| EYE005 | Refraction defects and treatments | Prof.Dr.I.A.SALMAN | 2 |  | 2 | 10 |  | |
| EYE006 | Examination methods in eye diseases | Dr. Öğr. Üyesi M.YILDIRIM |  | 1 |  |  | 2,4,7,8,9,11,15,16 | |
| EYE007 | Conjonktivitis | Prof.Dr.O.ATEŞ | 1 |  | 3 | 13,29 |  | |
| EYE008 | Corneal diseases | Prof.Dr.O.ATEŞ | 1 |  | 2 |  |  | |
| EYE009 | Skleritis, episkleritis | Dr. Öğr. Üyesi E.ÇINICI | 1 |  | 3 |  |  | |
| EYE010 | Open-angle glaucoma and its treatment | Prof.Dr.I.KOÇER | 1 |  | 2,3 | 8 |  | |
| EYE011 | Acute glaucoma crisis and its treatment | Prof.Dr.I.KOÇER | 1 |  | 2,3,4 | 8 |  | |
| EYE012 | Optic neuritis | Prof.Dr.O.BAYKAL | 1 |  | 2,4 | 11 |  | |
| EYE013 | Retinal artery diseases | Prof.Dr.O.BAYKAL | page290image36802081 |  | 2,4 |  |  | |
| EYE014 | Retinal vein occulusions | Prof.Dr.O.BAYKAL | 1 |  | 2,4 |  |  | |
| EYE015 | Uveitis | Prof.Dr.I.KOÇER | 1 |  | 2,3,4 |  |  | |
| EYE016 | Pediatric cataract and its treatments | Prof.Dr.I.KOÇER | 1 |  | 2,4 | 9 |  | |
| EYE017 | Adult cataract and its treatments | Prof.Dr.I.KOÇER | 1 |  | 2,4 | 9 |  | |
| EYE018 | Strabismus | Prof.Dr.I.A.SALMAN | 1 |  | 1, 2,5 |  |  | |
| EYE019 | Paralitic strabismus and diplopia | Prof.Dr.I.A.SALMAN | page290image57688321 |  | 1, 2,5 |  |  | |
| EYE020 | Diabetic retinopathy | Prof.Dr.O.BAYKAL | 1 |  | 2,4 |  |  | |
| EYE021 | Pupilla and its diseases | Dr. Öğr. Üyesi E.ÇINICI | 2page290image5774448 |  | 2,4 |  |  | |
| EYE022 | Eye findings in metabolic diseases | Dr. Öğr. Üyesi E.ÇINICI | 1page290image5779232 |  | 2 |  |  | |
| EYE023 | Preseptal selülitis | Doç.Dr. S.KELEŞ | 1 |  | 3 | 6,7 |  | |
| EYE024 | Lacrimal system diseases | Doç.Dr.S.KELEŞ | page290image57863041 |  | 3 |  |  | |
| EYE025 | Retinal detachment and its treatment | Prof.Dr.O.ATEŞ | 1 |  | 2,4 |  |  | |
| EYE026 | Hypertensive retinopathy | Prof.Dr.O.ATEŞ | 1 |  | 2,4 |  |  | |
| EYE027 | Differential diagnosis in the red eye | Prof.Dr.I.KOÇER | 2 |  | 3 | 1,29 |  | |
| EYE028 | Eyelid diseases | Doç.Dr.S.KELEŞ | 1 |  | 2 |  |  | |
| EYE029 | Orbital selülitis | Doç.Dr.S.KELEŞ | 1 |  | 1,2,3 | 6,7 |  | |
| EYE030 | Mechanical and chemical eye trauma | Doç.Dr.S.KELEŞ | 1 |  | 2,3,4,6,7,8 | 2,3,16,27 | 12 | |
| EYE031 | Drug applications in ophthalmology | Prof.Dr.O.ATEŞ | 2 |  |  |  | 26 | |
| EYE032 | Service Visit |  |  | 14 |  |  |  | |
| EYE033 | Polyclinic / Operating Room | Anabilim Dalı Öğretim Üyeleri |  | 20 |  |  |  | |
| EYE034 | Notification of the aims and objectives of the internship meeting | Staj komisyonu başkanı | 1 |  |  |  |  | |
| EYE035 | Post-internship feedback meeting | Staj komisyonu başkanı | 1 |  |  |  |  | |

### 6. LEARNING METHODS OF OPHTHALMOLOGY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF OPHTHALMOLOGY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR OPHTHALMOLOGY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
| --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V OPHTHALMOLOGY CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| …………….. | **4** | **3\*** |  |
|  |  |  |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
|  | **3** | 3\* |  |
|  | **3** | 3\* |  |
|  |  |  |  |
| **C. Registration, Reporting and Notification** | | | |
|  | **4** | 3\* |  |
|  | **4** | 3 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
|  | **4** | 3 |  |
|  | **4** | 3 |  |
|  | **3** | 3\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
|  | **3** | 1\* |  |
|  | **3** | 1 |  |
|  | **4** | 2 |  |
|  | **3** | 1 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN OPHTHALMOLOGY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN OPHTHALMOLOGY CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED551 |  | **Type** | Elective |
| **Period** | 2 weeks |  | **ECTS** | 3 |

|  |  |
| --- | --- |
| **CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Lewis’s Child and Adolescent Psychiatry |
| **2.** | Up To Date |

|  |  |
| --- | --- |
| **CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM** | |
|  | To be able to get a preliminary diagnosis/diagnosis by evaluating the normal development process of child and adolescent mental health (CAMH) and its characteristics in pathological conditions and the signs and symptoms of the diseases that reveal this pathology. |
|  | Define Emergency and Forensic situations for CAMH and make emergency treatment and Forensic management |
|  | To be able to build and carry out a treatment plan in necessary clinical situations within the scope of education level criteria. |
|  | To be able to provide refer a patient when necessary after emergency response and treatment. |
|  | To be able to exhibit preventive and rehabilitative approaches in cases where success can be achieved with early diagnosis and intervention. |
|  | To gain the knowledge, skills and professional characteristics determined for the internship. |

### 2. CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Program Qualifications** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Contribution levels** | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 3 |
| **Program Qualifications** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| **Contribution levels** | 3 | 4 | 4 | 2 | 3 | 2 | 3 | 4 | 4 | 3 | 3 | 3 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the Child And Adolescent Mental Health clerkship period

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*** | | | | | |
| 1 | Anxiety | 10 | Hyperactivity | 19 | Tobacco use |
| 2 | Altered Consciousness | 11 | Suicide (Thought, attempt) / Self-harm | 20 | Sleep-related problems |
| 3 | Cognitive disorders / Forgetfulness | 12 | Stuttering |  |  |
| 4 | Altered Mood | 13 | Weight gain/excess |  |  |
| 5 | Encopresis | 14 | Weight loss |  |  |
| 6 | Enuresis | 15 | Speech disorders (aphasia, dysphasia, dysarthria, etc.) |  |  |
| 7 | Reality testing problems (hallucination/delusion) | 16 | Impaired judgment |  |  |
| 8 | Weakness/fatigue | 17 | Seizure |  |  |
| 9 | Movement disorders | 18 | Learning disability |  |  |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Child And Adolescent Mental Health clerkship period.

|  |  |
| --- | --- |
| **CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Bipolar disorder  2. Acute and post-traumatic stress disorder  3. Emergencies related to alcohol and substance use  4. Delirium  5. Schizophrenia and other psychotic disorders |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 6. Alcohol and Substance Use Disorders  7. Physical Symptom Disorder (somatization)  1. Bipolar Disorder  8. Gender Identity Disorder  9. Agoraphobia / Specific Phobias  2. Acute and Post-traumatic Stress disorder  10. Attention Deficit and Hyperactivity Disorder  11. Dissociative Disorders  12. Communication Disorders (Stuttering, Articulation Disorder, Social Communication Disorder, Language Disorder)  13. Obsessive-Compulsive Disorder  14. Autism spectrum Disorder  15. Panic Disorder  16. Social Anxiety Disorder  5. Schizophrenia and Other Psychotic Disorders  17. Tic Disorders  18. Generalized Anxiety Disorder  19. Eating Disorders  20. Disruptive Behavior Disorders, Impulse Control and Behavior Disorders  21. Intellectual Disability  22. Sleep Disorders |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 4. Delirium  23. Depressive Disorder |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | ------- |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 6. Alcohol and Substance Use Disorders  1. Bipolar Disorder  3. Emergencies related to alcohol and substance use  4. Delirium  23. Depressive Disorder  5. Schizophrenia and Other Psychotic Disorders |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 1. Bipolar Disorder  4. Delirium  23. Depressive Disorder |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Child and Adolescent Mental Healthclerkship period.

|  |  |
| --- | --- |
| **CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | ------- |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 1. Assessing Legal Capacity 2. Suicide Intervention |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 3. Ability to evaluate the mental state  4. Ability to take psychiatric history  5. Forensic case examination  6. Mental state examination  7. To prepare a forensic report  8. Counseling on disability report  9. To be able to prepare health reports in accordance with current legislation  10. To be able to interpret the results of screening and diagnostic examinations  11. To be able to stabilize the emergency psychiatric patient  12. To be able to manage forensic cases |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 13. Taking general and problem-oriented stories  14. Consciousness Assessment  15. To be able to prepare a legal case report  16. Ability to take enlighting and consent  17. Ability to prepare an epicrisis  18. Ability to prepare a patient file  19. Ability to prepare a prescribing  20. To be able to prepare a treatment rejection document  21. Ability to refer the patient appropriately |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the Child And Adolescent Mental Healthclerkship period

|  |  |
| --- | --- |
| **CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | **1. Discrimination, bias, stigma**  b. Vulnerable groups (elderly, disabled, convicts and prisoners, etc.) |
|  |  |
|  | **2. Addiction**  a. Alcohol  b. Tobacco  c. Drug  d. Behavioral addiction (gambling, shopping, technology, internet addiction) to.  e. Family and social burden due to addiction |
|  |  |
|  | **4. Work and health interaction**  to. Vulnerable groups (child / immigrant / old / young workers) |
|  |  |
|  | **5. Environment and health interaction**  j. Social environment and social well-being |
|  |  |
|  | **6. Child neglect and abuse**  a. Negligence (emotional, physical, medical, educational, etc.)  b. Abuse (physical, emotional, sexual)  c. Child labor  d. Boy living on the street  e. Adolescent pregnancies  f. Child marriage |
|  |  |
|  | **8. Difficulties in physician-patient interaction**  c. Manipulative patient  d. Resistant patient  e. Malingering (using healthcare by pretending to be a patient to gain benefit)  f. Patient in mourning  g. Somatic symptoms triggered by somatization / psycho-social factors  h. Patients who frequently apply to the hospital |
|  |  |
|  | **11. Human rights and health**  a. Violations of the right to health |
|  |  |
|  | **12. Unemployment and poverty**  b. Child labor |
|  |  |
|  | **15. Global climate crisis**  e. Vulnerable groups |
|  |  |
|  | **18. Death, the dying individual and mourning**  a. Mourning and prolonged mourning  c. Giving bad news |
|  |  |
|  | **19. Priority / disadvantaged groups**  a. Children with special needs (chronic health problems, neuro-developmental disorders) / disabled people  b. Children (unaccompanied, protected and street children) |
|  |  |
|  | **20. Psychological and social well-being**  h. Flexibility / resilience, embracing uncertainties / dilemmas |
|  |  |
|  | **23. Aspects of Health Practices Requiring Self-Criticism**  h. Faulty applications in traditional and complementary medicine |
|  |  |
|  | **25. Health conditions**  d. Participation in social life  g. School health |
|  |  |
|  | **27. Stress**  e. Physical and mental complaints due to stress |
|  |  |
|  | **28. Violence**  b. Violence against children  e. Violence in vulnerable groups  f. Peer bullying |
|  |  |
|  | **29.Technology and health interaction**  a. Artificial intelligence  d. Current diagnostic-treatment tools  f. Technology addiction, misuse of technology  h. Online health apps |
|  |  |
|  | **31. Professionalism in Medicine**  b. Honesty, respect for confidentiality, truth-telling, respect for privacy |
|  |  |
|  | **34. Reproductive health / Sexual health**  c. Adolescent pregnancy  g. Sexual assault |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of Child and Adolescent Mental Healthclerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE CHıLD AND ADOLESCENT MENTAL HEALTH CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Communication skills, communication in difficult situations, interpersonal relations and teamwork  3. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  4. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  5. Patient rights, physician responsibility, patient-physician relationship.  6. Reflective thinking and practice, continuous individual and professional development, education and consultancy. |

### 4. CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - WEEKLY COURSE PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| **SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **Monday** | **I. Week** | | |
| Information about Internship and Ethical and Professional Values in Clinical Practice | 09.00-11.00 | Assc. Prof. M.A. AKINCI |
| Speech (Communication) Disorders | 14.00-16.00 | Asst. Prof. A. BOZKURT |
| **Tuesday** | Case-Based Learning (CBL) Session 1 | 08.00-10.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Forensic Applications | 10.00-11.00 | Assc. Prof. M.A. AKINCI |
| Enuresis -Enkoprezis | 13.00-14.00 | Assc. Prof. M.A. AKINCI |
| Independent Working Hour | 14.00-17.00 |  |
| **Wednesday** | Independent Working Hour | 09.00-10.00 |  |
| Autism Spectrum Disorder | 10.00-12.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Autism Spectrum Disorder | 13.00-17.00 | Asst. Prof. E.DEMİRDÖĞEN |
| **Thursday** | Independent Working Hour | 08.00- 09.00 |  |
| Intellectual disability | 09.00- 11.00 | Asst. Prof. A. BOZKURT |
| Intellectual disability | 14.00-16.00 | Asst. Prof. A. BOZKURT |
| Approach to Child Abuse | 16.00-17.00 | Assc. Prof. M.A. AKINCI |
| **Friday** | Independent Working Hour | 08.00-09.00 |  |
| School Rejection | 09.00-10.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Attention Deficit Hyperactivity Disorder | 10.00-12.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Attention Deficit Hyperactivity Disorder | 14:00-16:00 | Asst. Prof. E.DEMİRDÖĞEN |
| **Monday** | **II. Week** | | |
| Independent Working Hour | 08.00-09.00 |  |
| Tic Disorder | 09.00-10.00 | Asst. Prof. A. BOZKURT |
| Emergency Approach I | 10.00-12.00 | Assc. Prof. M.A. AKINCI |
| Emergency Approach II and Drug side effects | 13.00-17.00 | Assc. Prof. M.A. AKINCI |
| **Tuesday** | Case-Based Learning (CBL) Session 2 | 08.00-10.00 | Asst. Prof. A. BOZKURT |
| Oppositional-Oppositional Disorder | 11.00-12.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Conduct Disorder and Treatment | 14.00-15.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Independent Working Hour | 15.00-17.00 |  |
| **Wednesday** | Independent Working Hour | 08.00-09.00 |  |
| Case-Based Learning (CBL) Session 3 | 09.00-11.00 | Asst. Prof. E.DEMİRDÖĞEN |
| Independent Working Hour | 13.00-17.00 |  |
| **Thursday** | Case-Based Learning (CBL) Session 4 | 08.00-10.00 | Asst. Prof. A. BOZKURT |
| Specific Learning Disorder | 10.00-12.00 | Asst. Prof. A. BOZKURT |
| Specific Learning Disorder | 13.00-14.00 | Asst. Prof. A. BOZKURT |
| **Friday** | EXAM | 09.30 | Department of Child and Adolescent Psychiatry Seminar Hall |

### 5. MATCHING CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MATCHING CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP COURSES WITH LEARNING OBJECTIVES** | | | | | | | | |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| CAMH001 | Semiology | Assistant Professor I. ESIN | 1 |  | 2, 3 |  | 3, 4, 5, 6, 9, 10, 13, 14, 16, 17, 18, 19, 20, 21 | 1(b), 3(e), 5(j), 6(e)(f), 8(d)(h), 18(c), 20(h), 23 (h), 25(g), 31(b), 29(h), 15(e), 11(a) |
| CAMH 002 | Speech (Communication) Disorders | Assistant Professor H. Doğru | 1 |  | 12, 15 | 12 |  |  |
| CAMH S003 | Acute Stress Disorder  Post-Traumatic Stress Disorder | Assistant Professor H. Doğru | 2 |  | 1 | 2 |  |  |
| CAMH 005 | Forensic Applications | Assistant Professor I. ESIN | 1 |  | 16 | 21 | 1, 5, 7, 12, 15 |  |
| CAMH 006 | Anxiety Disorder | Assistant Professor H. Doğru | 1 |  | 1 | 9, 15, 16, 18 |  |  |
| CAMH 007 | Enuresis -Enkoprezis | Assistant Professor I. ESIN | 1 |  | 5, 6 |  |  |  |
| CAMH 008 | Mood Disorders in Children | Assistant Professor H. Doğru | 3 |  | 4 | 23, 1 |  | 8(f) |
| CAMH 009 | Sleep Disorders in Children and Adolescents | Assistant Professor H. Doğru | 1 |  | 20 | 22 |  |  |
| CAMH 010 | Autism Spectrum Disorder | Assistant Professor I. ESIN | 2 |  |  | 14 | 8 | 19(a), 25(d) |
| CAMH 011 | Elective / Freelance Work | Assistant Professor H. Doğru | 2 |  | 18 | 21 | 8 | 19(a) |
| CAMH 012 | Intellectual disability | Assistant Professor I. ESIN | 1 |  |  |  |  | 19(b), 6(a)(b)(c)(d), 12(b), 15(f)(e), 28(b), 34(g) |
| CAMH 013 | Approach to Child Abuse | Assistant Professor I. ESIN | page290image36802081 |  | 13 |  |  | 29(f) |
| CAMH 014 | Impulse Control Disorders Alcohol-Substance Use Disorder | Assistant Professor I. ESIN | 1 |  | 19 | 3, 6 |  | 2(a)(b)(c)(d)(e) |
| CAMH 015 | School Rejection | Assistant Professor H. Doğru | 1 |  | 1 |  |  |  |
| CAMH 016 | Obsessive compulsive disorder | Assistant Professor H. Doğru | 2 |  |  | 13 |  |  |
| CAMH 017 | Attention Deficit Hyperactivity Disorder | Assistant Professor H. Doğru | 2 |  | 10 | 10 |  |  |
| CAMH 018 | Tic Disorder | Assistant Professor H. Doğru | 1 |  | 9 | 17 |  |  |
| CAMH 019 | Emergency Approach | Assistant Professor I. ESIN | 6 |  |  | 4 | 2, 12 |  |
| CAMH 020 | Suicide Behavior and Self-harm | Assistant Professor I. ESIN | 1 |  | 11 |  | 2 |  |
| CAMH 021 | Oppositional-Oppositional Disorder | Assistant Professor I. ESIN | 1 |  |  |  |  |  |
| CAMH 022 | Conduct Disorder and Treatment | Assistant Professor H. Doğru | 2 |  |  | 20 |  |  |
| CAMH 023 | Schizophrenia and other psychotic disorders | Assistant Professor I. ESIN | 2 |  | 7 | 5 |  |  |
| CAMH 024 | Eating disorder | Dr. Öğr. Üyesi H. Doğru | 1 |  | 14 | 19 |  |  |
| CAMH 025 | Diagnostic Classification | Assistant Professor I. ESIN | 1 |  |  |  |  | 29(a)(d) |
| CAMH 026 | Sexual Identity Disorders | Assistant Professor H. Doğru | 1 |  |  | 8 |  |  |
| CAMH 027 | Developmental Problems | Dr. Öğr. Üyesi H. Doğru | 1 |  |  |  |  |  |
| CAMH 028 | Specific Learning Disorder | Assistant Professor I. ESIN | 1 |  | 18 |  |  | 19(a) |
| CAMH 029 | Somatoform Disorders | Dr. Öğr. Üyesi H. Doğru | 2 |  | 17 | 7 |  | 8(c)(e)(g), 27(e) |
| CAMH 030 | Dissociative disorders | Dr. Öğr. Üyesi H. Doğru | 2 |  |  | 11 |  |  |
| CAMH 019 | Outpatient Applications | Department Staffs |  | 4 |  |  |  |  |
| CAMH 020 | Notification meeting of internship goals and objectives | Department Staffs | 1 |  |  |  |  |  |
| CAMH 021 | Post-internship feedback meeting | Department Staffs | 1 |  |  |  |  |  |

### 6. LEARNING METHODS OF CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM

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| **LEARNING METHODS OF CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussions * Reflection sessions * Written visual texts readings and interpretations * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the “**Atatürk University Faculty of Medicine Trainee Report**” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP STUDENT TRAINEE REPORT** | | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | | |
| Ability to take psychiatric history | **3** | | **1\*** |  |
| Ability to evaluate the mental state | **3** | | **1\*** |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | | |
| Mental Status Examination | **3** | | 1\* |  |
| Consciousness Assessment | **4** | | 1\* |  |
| **C. Registration, Reporting and Notification** | | | | |
| Write a prescription | **4** | | 1\* |  |
| Ability to Edit a Forensic Case Notification | **4** | | 1\* |  |
| Preparing a patient file | **4** | | 1\* |  |
| Counseling on disability report | **3** | | 1\* |  |
| **D. Laboratory Tests and Other Related Processes** | | | | |
| To be able to interpret the results of screening and diagnostic examinations | **3** | | 1\* |  |
| **E. Interventional and Non-Interventional Applications** | | | | |
| Ability to stabilize the emergency psychiatric patient | **3** | | 1\* |  |
| Managing forensic cases | **3** | | 1\* |  |
| **Total Basic Medicine Practice score (out of 5 point)** | | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)** | | | |  |
| Compliance with internship rules | |  | | |
| Compliance with teamwork | |  | | |
| **Total Professionalism score (out of 5 point)** | |  | | |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |

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| SESSION V PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP GUIDE |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code** | MED552 |  | **Type** | Elective |
| **Period** | 2 weeks |  | **ECTS** | 5 |

|  |  |
| --- | --- |
| **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP-** **Prerequisite Courses** | |
| **1** | Taken the pre-clinical courses |
| **2** | Taken courses in the relevant committee (s) in session 3 |

|  |  |
| --- | --- |
| **REFERENCES (RESOURCE BOOK - OTHERS)** | |
| **1.** | Grabb and Smith's Plastic Surgery |

|  |  |
| --- | --- |
| **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- RULES FOR STUDENTS** | |
| **1** | Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning. |
| **2** | Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card. |
| **3** | The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship. |
| **4** | Students are obliged to keep the **“Ataturk University Faculty of Medicine Trainee Report”** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship. |
| **5** | The students are required to attend scientific meetings, case presentations and seminars organized by the department. |
| **6** | **In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”. |
| **7** | Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management. |

### 1. PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

|  |  |
| --- | --- |
| **OBJECTIVE OF THE PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM** | |
|  | To be able to make a preliminary diagnosis by evaluating the embryology, anatomy and physiological features of the body structures that are in the field of plastic, reconstructive and aesthetic surgery, and the symptoms and findings of the diseases that affect them. |
|  | To be able to perform or direct the emergency treatment by identifying emergencies such as maxillofacial trauma, burn, hand injury, amputation, which are within the scope of the Plastic, Reconstructive and Aesthetic Surgery clinic. |
|  | To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria |
|  | To be able to provide referral when necessary after emergency intervention and treatment |
|  | To direct the patient and family correctly in congenital anomalies and to provide the necessary rehabilitation approach until the time of surgery. |
|  | To gain the knowledge, skills and professionalism characteristics determined for the internship. |

### 2. PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Qualifications | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| Contribution levels | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 5 | 3 | 4 |
| Program Qualifications | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |  |  |  |  |  |  |  |  |
| Contribution levels | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 4 |  |  |  |  |  |  |  |  |

***Contribution levels:*** *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

### 3. LEARNING OBJECTIVES OF THE PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM

**A. Frequent reasons for application:** Competence is expected in terms of Clinical Symptoms / Signs / Status during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship period

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Wound in the mouth | 10 | Maxillofacial traumas |
| 2 | Aesthetic defects acquired in the body | 11 | Hair loss |
| 3 | Mass on the neck | 12 | Burn |
| 4 | Shape disorders in breast | 13 | Movement defect in the fingers and wrist |
| 5 | Changes in skin and its appendages (dryness, discoloration, etc.) \* | 14 | Mass in the face |
| 6 | Limb amputations | 15 | Cleft lip and palate |
| 7 | Freezing | 16 | Hand injury |
| 8 | Asymmetry in the face | 17 | Congenital aesthetic defects in the body |
| 9 | Gynecomastia | 18 | Wounds and injuries |

**B. In terms of knowledge:** It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship period.

|  |  |
| --- | --- |
| **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*** | |
| **LEARNING LEVELS** | **CLINICAL PROBLEM** |
| In the clinical problems mentioned in the column next to;  **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary** | 1. Freezing   2. Extremity trauma / fractures  3. Skin injuries  4. Burns  5. Facial Paralysis |
|  |  |
| In the clinical problems mentioned in the column next to;  **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert** | 6. Head and neck tumors  7. Skin tumors  8. Lymphedema / Lipedema  9. Septum deviation  10. Vascular malformations / hemangioma |
|  |  |
| In the clinical problems mentioned in the column next to;  **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures** | 11. Cleft palate, cleft lip |
|  |  |
| In the clinical problems mentioned in the column next to;  **Be able to Diagnose and Treat (DT)** | 12. Pressure sores  13. Skin and soft tissue infections, abscesses  4. Burns |
|  |  |
| In the clinical problems mentioned in the column next to;  **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)** | 6. Head - neck tumors  7. Skin tumors  8. Lymphedema / Lipedema  13. Skin and soft tissue infections, abscesses |
|  |  |
| In the clinical problems mentioned in the column next to;  **be able to follow up (F) in necessary cases** | 8 Lymphedema / Lipedema  12. Pressure sores |

**C. In terms of skill:** It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship period.

|  |  |
| --- | --- |
| **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS** | |
| **LEARNING LEVELS** | **BASIC MEDICINE APPLICATIONS** |
| Skills specified in the adjacent column;  **Knows** how to practice and **explains** the results to patients and / or relatives  **(LEARNING LEVEL 1)** | 1. Muscle ‐ skeletal system examination  2. To be able to prepare a forensic report  3. To be able to organize a forensic case notification  4. To be informed and to get approval  5. To be able to advise on disability report  6. To prepare epicrisis  7. To be able to prepare health reports in accordance with current legislation  8. To prepare patient file  9. To be able to apply the principles of rational drug use  10. Ability to request rational laboratory and imaging examination  11. Evaluation of multiple trauma patients  12. Consciousness Evaluation  13. Ear-nose-throat and head and neck examination  14. Being able to refer the patient appropriately  15. Reporting legally notifiable diseases and conditions  16. To be able to carry the amputated limb properly after trauma  17. Being able to take samples for culture  18. Ability to provide health care in extraordinary situations |
|  |  |
| Skills specified in the adjacent column;  **In an emergency**, performs the application in accordance **with the guide / instruction**  **(LEARNING LEVEL 2)** | 19. To apply the principles of working with biological material  20. To be able to provide decontamination, disinfection, sterilization, antisepsis.  21. To be able to fill the request form for laboratory examination  22. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory  23. To be able to prepare and apply splints  24. Being able to apply bandages, turnstiles  25. To be able to take measures to stop / limit external bleeding  26. Hand washing |
|  |  |
| Skills specified in the adjacent column;  performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application**  **(LEARNING LEVEL 3)** | 27. Ability to take general and problematic stories  28. To evaluate the mental state  29. Skin examination  30. Evaluation of general condition and vital signs  31. Breast and axillary examination  32.To be able to receive information and consent  33. To be able to prepare epicrisis  34. To prepare patient file  35. To be able to issue a recipe  36. To be able to prepare refusal of treatment document |
|  |  |
| Skills specified in the adjacent column;  Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application**  **(LEARNING LEVEL 4)** | 37. To be able to read and evaluate direct radiographs  38. To be able to interpret the results of screening and diagnostic purposes  39. To interfere with nosebleeds  40. Ability to open skin and soft tissue abscesses  41. Ability to take biological samples from the patient  42. Ability to care for wound and burn  43. Ability to suture and remove superficial sutures |

**D. In terms of Behavioral, Social and Humanities:** It is expected to have sensitivity, knowledge and skills in the **“Behavioral, Social and Humanities”** listed below during the **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** period

|  |  |
| --- | --- |
| **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES** | |
|  |  |
|  | 1. Scientific research methods and ethics  Evidence-based medical practices  2. Work and health interaction  .Accidents at work  3. Legal and ethical situations  Professional duties and obligations  b. Informed consent and special cases  c. Coordination of the health service delivery process (situations requiring cooperation and team service in preventive, curative and rehabilitative services) and ethics  4.Human rights and health  a. Right to health violations  Patient rights and responsibilities  5. Accidents  a.Home accidents  Traffic accidents  Work accidents |
|  |  |
|  |  |
|  |  |
|  |  |

**E. In terms of Professionalism:** Attitudes listed below are expected to be gained during the period of **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY** clerkship

|  |
| --- |
| **ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE** **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP** |
| 1. Totalitarian approach to health (bio ‐ psycho ‐ social and cultural approach), patient ‐ centered approach, community oriented medicine.  2. Rights-based health approach  3. Communication skills, communication in difficult situations, interpersonal relations and teamwork  4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.  5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.  6. Patient rights, physician responsibility, patient-physician relationship.  7. Problems and dilemmas for professionalism / ethics in health processes.  8. Legal problems in health processes.  9. Research and publication ethics.  10. Determinants of health, inequality in health, social gender and health.  11. Health systems, health policies.  12. Health economics and management.  13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.  14. Work culture in coordination with other members of the team and disciplines  15. Being able to share their knowledge and professional experience with other members of the team, |

### 4. PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

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| --- | --- | --- | --- |
| **SESSION V PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP-** **WEEKLY COURSE PROGRAM** | | | |
| **Days** | **Subject of The Lesson** | **Lesson Time** | **Teaching Staff** |
| **1. WEEK** | | | |
| **Monday** | Visit | 08 00-09 30 |  |
| Operating Room Application | 10 00-12 00 |  |
| Introduction to The Plastic Surgery and Basic Principles | 14 00-16 00 | Ass. Prof. Abdulkerim OLĞUN |
| **Tuesday** | Visit and Clinical Practice | 08 30-10 00 |  |
| Grafts | 10 00-12 00 | Ass. Prof. Abdulkerim OLĞUN |
| Flaps | 14 00-15 00 | Ass. Prof. Mehmet Akif Çakmak |
| Outpatient and Clinical Practice | 15 00-16 00 |  |
| **Wednesday** | Working Hours | 08 30-09 00 |  |
| Operating Room Application | 09 00-12 00 |  |
| Acute Burn Injury and Its Treatment | 13 00-15 00 | Ass. Prof. Mehmet Akif Çakmak |
| Sutures and Suture Techniques | 15 00-16 00 | Ass. Prof. Abdulkerim OLĞUN |
| **Thursday** | Case-Based Learning (CBL) Session 1 | 08 30-10 00 | Ass. Prof. Mehmet Akif Çakmak |
| Hemangioma and Arteriovenous Malformations | 10 00-12 00 | Ass. Prof. Abdulkerim OLĞUN |
| Wound Healing | 14 00-15 00 | Ass. Prof. Abdulkerim OLĞUN |
| Outpatient and Clinical Practice | 15 00-16 00 |  |
| **Friday** | Visit and Clinical Practice | 08 30-10 00 |  |
| Cleft Lip and Palate | 10 00-12 00 | Ass. Prof. Mehmet Akif Çakmak |
| Outpatient and Clinical Practice | 14 00-16 00 |  |
| **2. WEEK** | | | |
| **Monday** | Visit | 08 30-09 00 |  |
| Operating Room Application | 09 00-12 00 |  |
| Working Hours | 13:00-15 00 |  |
| Hand Flexor Tendon Injuries | 15 00-16 00 | Ass. Prof. Mehmet Akif Çakmak |
| **Tuesday** | Visit and Clinical Practice | 08 30-10 00 |  |
| Non-Melanotic Skin Cancers | 10 00-12 00 | Ass. Prof. Abdulkerim OLĞUN |
| Wound Closure Methods | 13 00-14 00 | Ass. Prof. Mehmet Akif Çakmak |
| Outpatient and Clinical Practice | 14 00-16 00 |  |
| **Wednesday** | Case-Based Learning (CBL) Session 2 | 08.30-10 00 | Ass. Prof. Mehmet Akif Çakmak |
| Maxillofacial Traumas | 10 00-12 00 | Ass. Prof. Mehmet Akif Çakmak |
| Operating Room Application | 13 00-15 00 |  |
| Hand Extensor Tendon Injuries | 15 00-16 00 | Ass. Prof. Mehmet Akif Çakmak |
| Working Hours | 16.00-17.00 |  |
| **Thursday** | Outpatient and Clinical Practice | 08 30-10 00 |  |
| Malignant Melanoma And Treatment | 10 00-12 00 | Ass. Prof. Abdulkerim OLĞUN |
| Pressure Ulcers | 14 00-15 00 | Ass. Prof. Mehmet Akif Çakmak |
| Outpatient and Clinical Practice | 15 00-16 00 |  |
| **Friday** | Visit and Clinical Practice | 08 30-10 00 |  |
| Final Exam (Practical and Theoretical) | 10 00-16 00 | Ass. Prof. Abdulkerim OLĞUN  Ass. Prof. Mehmet Akif Çakmak |

### 5. MATCHING PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DÖNEM V PLASTIK, REKONSTRÜKTIF VE ESTETIK CERRAHI STAJ DERSLERININ**  **ÖĞRENIM HEDEFLERI ILE EŞLEŞTIRILMESI** | | | | | | | |  |
| **Code** | **Lesson Topic** | **Teaching**  **Staff** | **Theoretical**  **lesson** | **Practical**  **lesson** | **Symptoms / Conditions** | **Clinical**  **problem** | **Basic Medical**  **Practices** | **Behavioral, Social and Humanities** |
| Plastic001 | Information about the clerkship-  Ethical and professional values in clinical practice | Dr.Abdulkerim OLGUN | 2 |  | 3, 4, 7, 8, 15, 18 | 1,2,3,4,5,6,7,8,9,  10,11,12,13 | 1,9,11,12,13,14,  15,16,23,24,25,27,30,37,  42 | 1,2,3,4,5 |
| Plastic 002 | Grafts | Dr.Abdulkerim OLGUN | 2 |  | 15, 18 | 1,3,7,12,13 | 9,19,20,24,35,42 | 1,2,3,4,5 |
| Plastic 003 | Flaps | Dr.Mehmet Akif CAKMAK | 2 |  | 12, 15, 18 | 1,3,7,12,13 | 9,19,20,24,35,42 | 1,2,3,4,5 |
| Plastic 004 | Acute Burn Injury and Its Treatment | Dr.Mehmet Akif CAKMAK | 2 |  | 15, 18, | 4 | 2,3,11,12,42 | 1,2,3,4,5 |
| Plastic 005 | Sutures and Suture Techniques | Dr.Abdulkerim OLGUN | 2 |  | 12, 17, 18 | 3 | 43 | 1,2,3,4,5 |
| Plastic 006 | Hemangioma and Arteriovenous Malformations | Dr.Abdulkerim OGUN | 2 |  | 2, 9, 16 | 10 | 13,14,30 | 1,2,3,4,5 |
| Plastic 007 | Wound Healing | Dr.Abdulkerim OGUN | 2 |  | 1, 18 | 1, 3,4,12,13 | 10,17,19,20,21,22 | 1,2,3,4,5 |
| Plastic 008 | Cleft Lip and Palate | Dr.Mehmet Akif CAKMAK | 2 |  | 8, 9 | 11 | 13,27,28 | 1,2,3,4,5 |
| Plastic 009 | Hand Extensor Tendon Injuries | Dr.Mehmet Akif CAKMAK | 2 |  | 17, 18 | 2 | 1,2,3,4,5,7,11,12,14,16,23,24  25,26,42,43 | 1,2,3,4,5 |
| Plastic 010 | Non-Melanotic Skin Cancers | Dr.Abdulkerim OGUN | 2 |  | 2, 16 | 7 | 13,14,29 | 1,2,3,4,5 |
| Plastic 011 | Wound Closure Methods | Dr.Mehmet Akif CAKMAK | 2 |  | 12, 17, 18 | 3,12,13 | 43 | 1,2,3,4,5 |
| Plastic 012 | Hand Flexor Tendon Injuries | Dr.Mehmet Akif CAKMAK | 2 |  | 12, 17, 18 | 2 | 1,2,3,4,5,7,11,12,14,16,23,24  25,26,42,43 | 1,2,3,4,5 |
| Plastic 013 | Malignant Melanoma And Treatment | Dr.Abdulkerim OGUN | 2 |  | 2, 16 | 7 | 13,14,29 | 1,2,3,4,5 |
| Plastic 014 | Pressure Ulcers | Dr.Mehmet Akif CAKMAK | 2 |  | 18 | 12 | 27,29,30,40,42 | 1,2,3,4,5 |
| Plastic015 | Maxillofacial Traumas | Dr.Mehmet Akif CAKMAK | 2 |  | 14, 18 | 3,4,5,6 | 11,12,13,16,25,27,30,37,38,  39,43 | 1,2,3,4,5 |
| Plastic 016 | Introduction to The Plastic Surgery and Basic Principles | Dr.Abdulkerim OGUN | 2 |  | 3, 4, 7, 8, 15, 18 | 1,2,3,4,5,6,7,8,9,  10,11,12,13 | 1,9,11,12,13,14,  15,16,23,24,25,27,30,37,  42 | 1,2,3,4,5 |
| Plastic 017 | Clinic visit |  |  | 20 |  |  |  |  |
| Plastic 018 | Outpatient clinic/operation room applications |  |  | 20 |  |  |  |  |

### 6. LEARNING METHODS OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM

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| **LEARNING METHODS OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP PROGRAM** |
| **Learning Methods Related with Knowledge:** |
| * Structured learning activities in clinical skill laboratories and simulated patient centers * Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences * On-the-job learning and assessment * Structured case discussion |
| **Learning Methods Related with Medical practices:** |
| * Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures * Interdisciplinary learning activities (meetings, panels, group discussions) * Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) * CBL (Case-based learning) * Independent learning |
| **Learning Methods Related with Professionalism** |
| * Critical situation discussionsı * Reflection sessions * Written visual texts readings and interpretations * Student development file (portfolio) application * On-the-job learning and assessment (MiniPET) |

### 7. “STUDENT TRAINEE REPORT” FOR PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University Faculty of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

|  |  |  |  |
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| **ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV INTERNAL MEDICINE CLERKSHIP STUDENT TRAINEE REPORT** | | | |
| **Name:………………………Surname:……………………….**  **Student Number: Date::…../……/……** | | | |
| **I-** **Basic Medicine Practices** | **Learning Level\*\*** | **Number of Applications** | **Teaching Staff Approve (Date)** |
| **A. Taking Anamnesis** | | | |
| Ability to take general and problematic stories | **4** | **3\*** |  |
|  |  |  |  |
| **B. Physical Examination (General and Problem-Oriented)** | | | |
| Skin, soft tissue examination | **3** | 3\* |  |
| To be able to perform maxillofacial trauma examination  To be able to examine hand injury | **3** | 3\* |  |
|  |  |  |  |
| **C. Registration, Reporting and Notification** | | | |
| Writing prescriptions | **4** | 3\* |  |
| Preparing a patient file | **4** | 3 |  |
| **D. Laboratory Tests and Other Related Processes** | | | |
| To take the laboratory sample under suitable conditions and send it to the laboratory under suitable conditions | **4** | 3 |  |
| Filling the request form for laboratory examination | **4** | 3 |  |
| To be able to interpret the results of screening and diagnostic purposes | **3** | 3\* |  |
| **E. Interventional and Non-Interventional Applications** | | | |
| Burn care and dressing | **3** | 1\* |  |
| To be able to refer amputated limb under suitable conditions | **3** | 1 |  |
| Skin, subcutaneous suturing and sture removing | **4** | 2 |  |
| **I-Total Basic Medicine Practice score (out of 5 point)** | | |  |
| **II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)**  **Total Professionalism score (out of 5 point)** | | |  |
| **III-** **Clinical Problem Solving (out of 5)**  (Given from the performance shown in **Case Based Learning sessions)** | | |  |
| **TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)** | | |  |
| **Teaching Staff Head of Department**  **Date and Sign Date and Sign** | | | |

**\*** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

**\*\*Learning Level\*\***

|  |  |
| --- | --- |
| **Learning Level\*\*** | **Explanation** |
| **1** | Knows how to practice and explains the results to patients and / or relatives. |
| **2** | In an emergency, performs the application in accordance with the guide / instruction |
| **3** | Performs the application\* in uncomplicated, common, situations / cases. |
| **4** | Performs the application\* including complex situations / cases. |
| \*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results. | |

### 8. ASSESSMENT AND EVALUATION METHODS IN PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY CLERKSHIP

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| **ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP** |
| **PRACTICAL-ORAL EXAMINATION** |
| * **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)   + **Basic Medicine Practices** (5 %).   + **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).   + **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) * **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) * **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) * Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. * Students who fail the practical-oral examination, take the make-up exam. * Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam. |
| **THEORETICAL EXAM** |
| * It consists of a total of 5 classical written questions and and case-based questions (evaluating clinical information and clinical decision) * Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. * Students who fail the theoretical examination, take the make-up exam. |
| **SUCCESS GRADE** |
| * Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam. |
| **MAKE-UP EXAM** |
| * If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship. |