**T.C.**

**ATILIM UNIVERSITY FACULTY OF MEDICINE**

**EDUCATION IN 2023-2024 ACADEMIC YEAR**

**ACADEMIC CALENDAR**

**Laboratory Lessons:**

1. Medical Skills: Evaluation of blood pressure (Dr. Aykanat, Dr. Sarıkaya)
2. Medical Skills-2 (Auscultation, stethoscope) (Dr. Tuncer & Dr. Brohi & Dr. Öktem)

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| **COMMITTEE NAME** | **STARTING DATE** | **COMPLETION DATE** |
| **MED 306** | 08.04.2023 | 17.05.2024 |

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| **COMMITTEE NAME** | | | | | | |
|  | **MED 301** | **MED 302** | **MED 303** | **MED 304** | **MED 305** | **MED 306** |
| **MEDICAL SKILLS EXAM DATE** |  |  |  |  |  | 14.05.2024 |
| **COMMITTEE EXAM DATE** |  |  |  |  |  | 17.05.2024 |

**MED306 INTRODUCTION TO CLINICAL MEDICINE**

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| **PHASE III COORDINATOR** | Prof. Dr. Yekbun ADIGÜZEL | | | |
| **CHAIR OF THE MED 306 COMMITTEE** | Dr. Evren Tuncer | | | |
| **MED 306 COMMITTEE DATE RANGE** | 08.04.2024 – 17.05.2024 | | | |
| **ACADEMIC STAFF**  **AT THE MED 306 COMMITTEE** | Prof. Dr. Necla TÜLEK- Medical Microbiology  Prof. Dr. Nedret KILIÇ- Medical Biochemistry  Prof. Dr. Gamze YURDAKAN ÖZYARDIMCI- Pathology  Prof. Dr. Yekbun ADIGÜZEL- Medical Biology  Prof. Dr. Ahmet SALTIK- Public Health  Prof. Dr. Selda Dilek TEKİNER- Family Medicine  Prof. Dr. Kadri Şafak Güçer-Pediatrics  Assoc. Prof. Dr. Fatih KARAAHMET- Internal Medicine  Dr. Melike Elif ÇELİK- Internal Medicine  Asst. Prof. Dr. M. F. Tolga SOYAL- Cardiovascular Surgery  Asst. Prof. Dr.Aykut İlker ARSLAN- Medical Microbiology  Dr. Evren Tuncer- Medical Pharmacology  Dr. Melike Erol Demirbilek – Medical Biochemistry  Dr. Sadık Emre ERGİNOĞLU- Orthopaedics and Traumatology  Dr. Zamir Kemal ERTÜRK- Emergency Medicine  Dr. Elif İnci ERGÖNÜL- Pharmacology  Asst. Prof. Dr. Cemal YÜCE- Radiology  Asst. Prof. Dr. Badegül Sarıkaya - Physiology  Asst. Prof. Dr. Ezgi Bektur Aykanat - Histology and Embryology  Assoc. Prof. Dr. Hale ÖKTEM – Anatomy  Asst. Prof. Dr. Recep Ali BROHİ – Anatomy  Dr. Ilgar Seyidov-Behavioral Sciences | | | |
| |  |  | | --- | --- | |  |  |   **ACADEMIC STAFF** | **THEORETICAL LECTURE TIME** | **PRACTICAL LECTURE TIME** | **INTERACTIVE EDUCATION**  **TIME** | **TOTAL TIME** |
| **Medical Microbiology** | 12 | - | - | 12 |
| **Medical Biochemistry** | 5 | - | - | 5 |
| **Medical Biology** | 4 | - | - | 4 |
| **Medical Pharmacology** | 2 | - | - | 2 |
| **Public Health** | 9 | - | - | 9 |
| **Family Medicine** | 5 | - | - | 5 |
| **Internal Medicine** | 6 | - | CBL (2 hours) | 8 |
| **Cardiovascular Surgery** | 2 | - | - | 2 |
| **Emergency Medicine** | 8 | - | - | 8 |
| **Radiology** | 2 | - | - | 2 |
| **Orthopedics and Traumatology** | 4 | - | - | 4 |
| **Pediatrics** | 2 | - | - | 2 |
| **Pathology** | 1 | - | - | 1 |
| **Medical Skills: Evaluation of blood pressure (Dr. Aykanat, Dr. Sarıkaya)** |  | 1 |  |  |
| **Medical Skills-2: (Auscultation, stethoscope) (Dr. Tuncer & Dr. Brohi & Dr. Öktem)** |  | 1 |  |  |
| **TOTAL** | 66 | 2 | 2 | 70 |

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| **Advisor Visit** | - |

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| **CONTENT OF THE MED 306 COMMITTEE** | | |
| Organization of Health Services in Turkey; Evolution of Practices of Family physician in Turkey; Approval of informed consent; Ethics in medical research: Breachs and legal status; Principles of community screening; Epidemiologic Research Methods in Medicine; History taking physical examination; Antibiotic use: Beta-lactams; History taking, physical examination; Medical Skills (Auscultation, stethoscope); Transfusion medicine & blood banking; Patient sample collection and use of the laboratory; Interpreting laboratory results; Types of radiation; Use of microbiology laboratory & interpretation of results; Antibiotic use: Aminoglycosides, tetracyclines; Antibiotic use: Macrolides, quinolones; Transfusion related infections; Pharmacovigilance; How to ask pathology service?; Antibiotic use: Others; Consultation in medicine (CBL); Airway management; General management of burns; Management of trauma; Evidence based medicine; Anti-viral drugs; General management of poisoned patient; Anaphylaxis; Choosing right imaging technique; Case scenarios in radiology; Clinical Enzymology; Antibiotic resistance mechanisms; Pediatric basic life support; First aid; Antibiotic susceptibility tests; Lab: Antibiotic susceptibility tests; Health and rights of health care workers; stigmatism, discrimination. Medical Skills: Auscultation, stethoscope; blood pressure | | |
| **MED 306 COMMITTEE AIM** | | |
| To give information about; the structure and organization of Turkish Health system, how the primary health care functions work, how patients are admitted & their histories are taken & how physical examination is implemented, what are the ancillary laboratory facilities used in medicine, usage of antibiotics in medicine, how the physicians act and care for themselves, management of critical patients, basic life support for pediatric and adult patients, treatment steps for anaphylaxis and poisoned patient . To provide basic medical skills necessary for a primary care physician in practice | | |
| **MED 306 COMMITTEE LEARNING OBJECTIVES** | | |
| 1. Selection of the appropriate specimen, transporting and the tests according to the risks 2. Interpretation of culture and sensitivity data on: throat, sputum, urine, blood, stool, wound and others cultures. 3. Interpretation of serology studies: viral diseases (HIV, hepatitis, EBV, CMV, others), syphilis, Lyme disease, etc. 4. Interpretation of rapid tests. 5. Describe the key components of appropriate antimicrobial prescribing 6. Differentiate between prophylactic, empirical and directed therapy 7. Outline the major adverse effects of antimicrobial therapy 8. Distinguish bacteriostatic from bactericidal antibacterial activities 9. Explain the difference between broad-spectrum drugs versus narrow-spectrum antibiotics 10. Implement a systematic approach to using current antimicrobial guidelines for prescribing: Where is the evidence to support antibiotic prescribing or alternative strategies? Which antibiotic should be prescribed? What is the most prudent first line choice? What dose, by what route and for how long? 11. Distinguishes the adverse effects of (ionizing) radiation and protection methods 12. Definition and different states of conciousness which is necessary for understanding the cognitive disorders 13. Comprehends the basic principles of nuclear radiation, adverse effects of (ionizing) radiation, protection methods, and distinguishes the principles of associated medical imaging 14. Be very careful when making a decision whether an association was causal or not 15. Conceive the vital function of exploring causal association in science including Medicine 16. Conceiving the concept of «Evidence» in Medicine & Public Health 17. Realise how to create scientific, valid, actual qualitative & quantitative Evidences 18. Utilise required evidence at an optimal scale for problem solving & decision making 19. Construct Scientific, Legal, Ethical and Professional responsibilities in the Clinical Trials 20. Public Health Decision Procedures 21. Develop Reasoning Skills in evaluating Evidences for both clinical care 22. Public Health Services 23. Understand properly the nature of relationships among variables 24. Differentiate ordinary / common relationship and Causality ties among variables 25. Conceive; no way for making clinical diagnosis, treatment and follow up patients, 26. public health policies – interventions without laying on suitable scientific evidences 27. Organize the patient admission file 28. Realise the importance and steps for history taking 29. Implementation of the physical examination for pediatrics and adults 30. Outline the first aid steps for pediatric patients and adults 31. Systemic approach to anaphylactic reactions and poisoined patients | | |
| **RECOMMENDED BOOKS AND RESOURCES**   1. Jawetz, Melnick, & Adelberg's Medical Microbiology, 28e, 2019, McGraw-Hill Education 2. Murray. Rosenthal, . Pfaller, Medical Microbiology 9th Edition,2021 3. Mandell, Douglas, and Bennett's Principles and Practice of Infectious DiseasesEdition, Bennett, JE, Dolin R, Blaser MJ. , 9th Elsevier, 2019 4. Dr. Mehmet Can Akyolcu, 2015, Biophysics, İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi (Yayın no 295, Rektörlük yayın no 5215, ISBN 978-605-07-0588-1). 5. Perrotta G (2021) The state of consciousness: From perceptual alterations to dissociative forms. Analysis of neurobiological and clinical profiles. J Neurol Neurol Sci Disord 7(1): 006-018. DOI: <https://dx.doi.org/10.17352/jnnsd.000042> 6. Basics of Medical Physics. Jirák, Daniel; Vítek, František. First English edition. Prague : Charles University in Prague, Karolinum Press. 2018 7. Rosen's Emergency Medicine: Concepts and Clinical Practice, 10th Edition, 2022 8. Tintinalli's Emergency Medicine A Comprehensive Study Guide, 9 th edition, 2020 9. Harrison’s Principles of Internal Medicine 21 st Edition, 2022 10. Oxford Handbook of clinical Medicine International Edition, 2023 | | |
| **MED 306 COMMITTEE EXAM WEEK** | | |
| **DATE** | **EXAM NAME** | **EXAM HOUR** |
| 14.05.2024 | Medical Skills (Auscultation, stethoscope) | 09:30-17:20 |
| 17.05.2024 | MED 306 Committee Exam | 09:30-12:20 |
| **Teaching Methods and Techniques** | |  |  |  |  | | --- | --- | --- | --- | | Lecture | Case based learning | Case discussion | Student presentation | | Role playing | Problem based learning | Project | Homework | | Laboratory practice | Team based learning | Self Learning | Student Panel | | |
| **Evaluation Method** | Theoretical Exam (80%), Medical Skills: Oscultation & use of stethoscope (10%), Medical Skills: Measure blood pressure (10%) | |
| **Lesson Language** | English | |