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| **C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png****MARMARA UNIVERSITY SCHOOL of MEDICINE** |
| CELL AND TISSUE INJURY - II YEAR 2 COURSE 2October 24 – December 16, 2022 |
| **Coordinator of the Course 2.2** Prof. Seyhan HIDIROĞLU | **Coordinator of the Module 2.2**Prof. Ahmet TOPUZOĞLU |
| **Year 2 Coordinators** Prof. Özgür KASIMAY & Assist. Prof. M.Burak AKSU |
| **Module Coordinator**Prof. Rezzan GÜLHANAssist. Prof. Sinem YILDIZ İNANICI | **Introduction to Clinical Practice (ICP) Coordinators**Prof. Pemra CÖBEK ÜNALANProf. Serap ÇİFÇİLİ |
|  **Coordinator of Multidisciplinary Students’ Lab**.Prof. Betül YILMAZ | **Coordinator of Clinical Skills Lab.**Prof. Çiğdem APAYDIN KAYA |
|  **Coordinator of Assessment Unite**Assist. Prof. Cevdet NACAR | **Coordinator of Student Exchange Programs**Assist. Prof. Can ERZİK |
| **Vice-Chief Coordinators** |
| **Program**Prof. Oya ORUN | **Assessment** Prof. Hasan R. YANANLI | **Students’ Affairs**Assist. Prof. Can ERZİK |
| **Chief Coordinator (Pre-Clinical Education)** Prof. Serap ŞİRVANCI | **Coordinator of Medical Education Program Evaluation and Development Commission**Prof. Harika ALPAY |
| **Vice Dean (Education)**Prof. Ahmet Altuğ ÇİNÇİNProf. Hasan R. YANANLI | **Dean**Prof. Ümit Süleyman ŞEHİRLİ |

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| MU MEDICAL SCHOOL PRE-CLINICAL EDUCATION PROGRAM |
| LEARNING OUTCOMES / COMPETENCIES1. Clinical Care: Qualified patient care and community oriented health care
2. Basic clinical skills
3. The organization and management of the patient and the patient care
4. The organization and the management of health care delivery services / system
5. Health promotion and disease prevention
6. Medical Knowledge and Evidence-Based Medicine
7. Appropriate information retrieval and management skills
8. The integration of knowledge, critical thinking and evidence-based decision making
9. Scientific methods and basic research skills
10. Professional Attitudes and Values
11. Communication skills and effective communication with patients / patient relatives
12. Interpersonal relationships and team working
13. Ethical and professional values, responsibilities
14. Individual, social and cultural values and responsibilities
15. Reflective practice and continuing development
16. Healthcare delivery systems, management and community oriented health care
17. Education and counseling
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| PHASE-1 LEARNING OBJECTIVES1. Understanding the normal structures and functions of human body
2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
4. Gaining basic clinical skills by applications in simulated settings.
5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.
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| PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMSYear 1, Course 1: Introduction to Cell and Cellular ReplicationYear 1, Course 2: Cellular Metabolism and TransportYear 1, Course 3: Development and Organization of Human BodyYear 1, Course 4: Introduction to Nervous System and Human BehaviorYear 2, Course 1: Cell and Tissue Injury I Year 2, Course 2: Cell and Tissue Injury IIYear 2, Course 3: Hematopoietic System and Related DisordersYear 2, Course 4: Musculoskeletal, Integumentary Systems and Related DisordersYear 2, Course 5: Respiratory System and Related DisordersYear 3, Course 1: Cardiovascular System and Related DisordersYear 3, Course 2: Gastrointestinal System, Metabolism and Related DisordersYear 3, Course 3: Nervous System and Related DisordersYear 3, Course : Growth, Development, Mental Health and Related DisordersYear 3, Course 5: Urinary and Reproductive System and Related Disorders |

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| CELL AND TISSUE INJURY - II  |
| AIM and LEARNING OBJECTIVES of COURSE **Aim:** At the end of this course, second year students will be able to broaden their basic science knowledge to understand how certain alterations in bodily processes may manifest as disease and gain fundamental knowledge about the processes underlying human diseases, as the scientific foundation for developing clinical skills.**Learning Objectives:** At the end of this course, second year students will, * describe using proper nomenclature, the etiology, pathogenesis, structural and functional changes at cellular and tissue level;
* describe in detail what happens to cells and tissues in response to abnormal stimuli;
* explain the basic principles of human immune system as it relates to defense against disease (innate, humoral, cell mediated);
* describe the principles of classifying infectious microorganisms and their pathogenic properties;
* gain knowledge about bacteria and bacterial pathogenesis;
* gain knowledge about fungi and pathogenesis of fungal diseases;
* identify major drug classes and prototype drug(s) for each class.
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| **ASSESSMENT SYSTEM**Module examination: Written exam at the end of module (10 % of final score)Practical examination: Practical exams at the end of courseCourse examination: Written exam at the end of course |  **PROGRAM EVALUATION** Evaluation at the end of the course, is done both orally and by using structured evaluation forms |
| DEPARTMENTS PARTICIPATING IN COURSE-2.2 |
| * Biochemistry
* Family Medicine
* Microbiology
* Immunology
 | * Pathology
* Pediatrics
* Pharmacology
* Public Health
 |
| LECTURERS / TUTORS |
| Rengin Asiye AHISKALI, Professor of PathologyAhmet AKICI, Professor of Pharmacology Tunç AKKOÇ, Professor of Immunology Mehmet AKMAN, Professor of Public HealthMehmet Burak AKSU, Assist. Professor of MicrobiologyNadiye Pınar AY, Professor of Public Health Elif AYDINER, Professor of PediatricsPelin BAĞCI, Professor of PathologyZafer GÖREN, Professor of Pharmacology Rezzan GÜLHAN, Professor of Pharmacology Ufuk HASDEMİR, Professor of MicrobiologySeyhan HIDIROĞLU, Professor of Public HealthArzu AKŞİT İLKİ, Professor of Microbiology  | Ayşegül KARAHASAN, Professor of Microbiology Mert KAŞKAL, Lecturer of PharmacologyHandan KAYA, Professor of Pathology Nimet Emel LÜLECİ, Professor of Public Health Ayşe Nilüfer ÖZAYDIN, Professor of Public HealthAhmet Oğuzhan ÖZEN, Professor of Pediatrics Önder ŞİRİKÇİ, Professor of BiochemistryAyşe Gülsen TEKER, Lecturer of Public HealthMuhammed Hasan TOPER, Assist. Professor of PathologyAhmet TOPUZOĞLU, Professor of Public Health Zehra Nur TURGAN, Lecturer of Pharmacology Hüseyin Kemal TÜRKÖZ, Professor of PathologyNurver ÜLGER, Professor of Microbiology |

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| LABORATORY TUTORSMICROBIOLOGY: G.Söyledir, M.U.Hasdemir, N.Çerikçioğlu, A.Karahasan, N.Ulger, Z.A.İlki, M.B.AksuPATHOLOGY: K.Türköz, D.FilintePUBLIC HEALTH: S.Hıdıroğlu |
| READING / STUDYING MATERIALS* Basics and Clinical Pharmacology (Bertram G Katzung)
* Clinical Pharmacology (Laurence DR, Bennet PN)
* Pharmacological Basis of Therapeutics (Goddman&Gilman's)
* Radiation protection, Ch.5 (Mary Alice Statkiewicz)
* Radiobiology for the radiologist (Eric J.Hall)
* Physics of Life Sciences (Alan H.Cromer)
* Clinical Biophysics (Anbar).
* Radiologic Science forTechnologist (S.C.Bushong)
* Textbook of Physiology (Guyton AC)
* Basic Pathology (Stanley L. Robbins, Marcia Angel, Vinay Kumar)
* Histology and Cell Biology: an Introduction to Pathology (Abraham L. Kierszenbaum)
* Review Medical Microbiology (Ernest Jawetz et al.)
* Medical Microbiology (CedricMims et al.)
* Review of MedicalMicrobiology (Patrie R. Murray, Ken S. Rosenthal)
* Cellular and MolecularImmunology 5th Edition (Abbas, Lichtman)
* Kuby Immunology 4th Edition (Goldsby, Kindt, Osborne)
* Immunobiology 6th Edition (Janeway, Travers, Walport, Schlomchik)
* Immunology, Infection and Immunity (Pier, Lyczak, Wetzler)
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| SUMMARY OF THE COURSE |
| **Discipline** | **Lecture & Group Discussion** | **Multidisciplinary Lab. & Clinical Skills Lab. Practice** | Total |
| Biochemistry | 2 |  | 2 |
| Family Medicine | 1 |  | 1 |
| Immunology | 6 |  | 6 |
| Microbiology | 32 | 20 | 52 |
| Pathology | 18 | 8 | 26 |
| Pediatrics | 2 |  | 2 |
| Pharmacology | 10 |  | 10 |
| Public Health | 17 | 3 | 19 |
| **Subtotal** | **87** | **31** | **118** |
| PBL Module | 8 |  | 8 |
| ICP-2: Basic Clinical Skills, Human in Medicine (Students’ Research Activity) | 24 | 24 | 48 |
| **TOTAL** | **119** | **55** | **174** |

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| **EIGHT WEEK PROGRAM** |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week-1 (24 October - 28 October 2022)** |
| **Monday** | **24 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Introduction to the course and opening lecture | Dr. Ufuk Hasdemir |
| 11:40-12:30 | Staphylococci and their pathogenic properties | Dr. Ufuk Hasdemir |
|  |   |   |
| 13:40-14:30 | Serological tests in clinical microbiology | Dr. Mehmet Burak Aksu |
| 14:40-15:30 | Serological tests in clinical microbiology | Dr. Mehmet Burak Aksu |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **25 October** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **26 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Microbiology LAB: Serological tests-Group A | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Serological tests-Group A | Multidisciplinary Lab. |
|  |   |   |
| 13:40-14:30 | Microbiology LAB: Serological tests-Group B | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Serological tests-Group B | Multidisciplinary Lab. |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Thursday** | **27 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Streptococci, Enterococci and their pathogenic properties | Dr. Nurver Ülger |
| 10:40-11:30 | Streptococci, Enterococci and their pathogenic properties | Dr. Nurver Ülger |
| 11:40-12:30 | Neisseria, Moraxella and their pathogenic properties | Dr. Arzu Akşit İlki |
|  |  |  |
| 13:40-14:30 | Enterobacteriaceae and their pathogenic properties | Dr. Mehmet Burak Aksu |
| 14:40-15:30 | Enterobacteriaceae and their pathogenic properties | Dr. Mehmet Burak Aksu |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Friday** | **28 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Infection prevention at health care facilities and waste disposal | Dr. Seyhan Hıdıroğlu |
| 11:40-12:30 | Infection prevention at health care facilities and waste disposal | Dr. Seyhan Hıdıroğlu |
|  |  |  |
| 13:40-14:30 | **TATİL** |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |
| 17:40-18:30 |  |
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| **Week-2 (31 October - 04 November 2022)** |
| **Monday** | **31 October** |  |
| 08:40-09:30 | Environmental pathology | Dr. Pelin Bağcı |
| 09:40-10:30 | Environmental pathology | Dr. Pelin Bağcı |
| 10:40-11:30 | Investigation of an epidemic | Dr. Ahmet Topuzoğlu |
| 11:40-12:30 | Investigation of an epidemic | Dr. Ahmet Topuzoğlu |
|  |  |  |
| 13:40-14:30 | Definitions used in the chain of infection | Dr. Nadiye Pınar Ay |
| 14:40-15:30 | Active and passive immunization | Dr. Nadiye Pınar Ay |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **01 November** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **02 November** |  |
| 08:40-09:30 | Investigation and management of outbreaks: Case examples | Dr. Ahmet Topuzoğlu |
| 09:40-10:30 | Investigation and management of outbreaks: Case examples | Dr. Ahmet Topuzoğlu |
| 10:40-11:30 | Orientation (dividing into small groups & explaining the task) Working in small groups (How to break chain of infection in several different cases) | Dr. Nimet Emel Lüleci |
| 11:40-12:30 | Group presentations & discussion (Measles, Malaria, Tetanus, Tbc, Brucellosis, Hepatitis) | Dr. Nimet Emel Lüleci |
|  |   |   |
| 13:40-14:30 | Evaluation | Dr. Nimet Emel Lüleci |
| 14:40-15:30 | Group work (asepsis, antisepsis, decontamination, washing, high level disinfection, sterilization) | Dr. Ayşe Gülsen Teker |
| 15:40-16:30 | Group presentations, summarizing as a flowchart and evaluation | Dr. Ayşe Gülsen Teker |
| 16:40-17:30 | Importance of infection prevention at health care facilities & terminology used | Dr. Ayşe Gülsen Teker |
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| **Thursday** | **03 November** |  |
| 08:40-09:30 | Pharmacotherapy in bacterial infections: penicillines | Dr. Mert Kaşkal |
| 09:40-10:30 | Pharmacotherapy in bacterial infections: penicillines | Dr. Mert Kaşkal |
| 10:40-11:30 | Neoplasia: Definition and biology of tumor | Dr. Hasan Toper |
| 11:40-12:30 | Neoplasia: Definition and biology of tumor | Dr. Hasan Toper |
|  |   |   |
| 13:40-14:30 | Inflammation, immune regulation  | Dr. Tunç Akkoç |
| 14:40-15:30 | Neoplasia: Nomenclature | Dr. Handan Kaya |
| 15:40-16:30 | Neoplasia: Nomenclature | Dr. Handan Kaya |
| 16:40-17:30 |  |  |
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| **Friday** | **04 November** |  |
| 08:40-09:30 | Definitions (pandemic, epidemic, endemic, eradication, control, elimination) | Dr. Ayşe Nilüfer Özaydın |
| 09:40-10:30 | Definitions (incidence, prevalance, case definitions, primary and secondary attack rate) | Dr. Ayşe Nilüfer Özaydın |
| 10:40-11:30 | Antimicrobial actions and resistance mechanisms to antimicrobials in bacteria | Dr. Ufuk Hasdemir |
| 11:40-12:30 | Principles of antimicrobial susceptibility testing | Dr. Ufuk Hasdemir |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Week-3 (07 November - 11 November 2022)** |
| **Monday** | **07 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-I-Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-I-Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Gram negative small nonenteric bacilli (Haemophilus, Brucella, Bordetella) and their pathogenic properties | Dr. Arzu Akşit İlki |
|  |  |  |
| 13:40-14:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-I-Group A | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-I-Group A | Multidisciplinary Lab. |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
|  |  |  |
| **Tuesday** | **08 November** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **09 November** |  |
| 08:40-09:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-II-Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-II-Group A | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-II-Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of gram positive & gram negative cocci-II-Group B | Multidisciplinary Lab. |
|  |   |   |
| 13:40-14:30 | Pathogenetic mechanism of poststreptoccal diseases | Dr. Nurver Ülger |
| 14:40-15:30 | PBL-1 |   |
| 15:40-16:30 | PBL-1 |   |
| 16:40-17:30 |  |  |
|  |  |  |
| **Thursday** | **10 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | **10 KASIM ATATÜRK’Ü ANMA TÖRENİ** |  |
| 10:40-11:30 | Neoplasia: Epidemiology and etiopathogenesis | Dr. Handan Kaya |
| 11:40-12:30 | Neoplasia: Epidemiology and etiopathogenesis | Dr. Handan Kaya |
|  |   |   |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Tolerance and autoimmunity | Dr. Tunç Akkoç |
| 16:40-17:30 |  |  |
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| **Friday** | **11 November** |  |
| 08:40-09:30 | Aberrations in immune responses-Hypersensitivity reactions | Dr. Tunç Akkoç |
| 09:40-10:30 | Aberrations in immune responses-Hypersensitivity reactions | Dr. Tunç Akkoç |
| 10:40-11:30 | Gram negative curved bacilli (Vibrio, Campylobacter, Helicobacter)and their pathogenic properties | Dr. Arzu Akşit İlki |
| 11:40-12:30 | Aerobic gram positive bacilli and their pathogenetic properties | Dr. Nurver Ülger |
|  |   |   |
| 13:40-14:30 | PBL Study time |   |
| 14:40-15:30 | PBL-2 |   |
| 15:40-16:30 | PBL-2 |   |
| 16:40-17:30 |  |  |
|  |  |  |
| **Week-4 (14 November - 18 November 2022)** |
| **Monday** | **14 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Mechanisms of neoplasia and tumor markers | Dr. Önder Şirikçi |
| 10:40-11:30 | Mechanisms of neoplasia and tumor markers | Dr. Önder Şirikçi |
| 11:40-12:30 | Mechanisms of neoplasia and tumor markers | Dr. Önder Şirikçi |
|  |  |  |
| 13:40-14:30 | Pharmacotherapy in bacterial infections: Sulphonamides and other antibacterial drugs | Dr. Zafer Gören |
| 14:40-15:30 | Pharmacotherapy in bacterial infections: Aminoglycosides and quinolones | Dr. Zafer Gören |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
| 17:40-18:30 |  |  |
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| **Tuesday** | **15 November** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
|  |   |  |
| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **16 November** |  |
| 08:40-09:30 | Pharmacotherapy in bacterial infections: Cephalosporins | Dr. Zehra Nur Turgan |
| 09:40-10:30 | Pharmacotherapy in bacterial infections: Cephalosporins | Dr. Zehra Nur Turgan |
| 10:40-11:30 | Transplantation immunology | Dr. Tunç Akkoç |
| 11:40-12:30 | Immunity to cancers | Dr. Tunç Akkoç |
|  |   |   |
| 13:40-14:30 | PBL Study time |   |
| 14:40-15:30 | PBL-3 |   |
| 15:40-16:30 | PBL-3 |   |
| 16:40-17:30 |  |  |
|  |  |  |
| **Thursday** | **17 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Public Health LAB: Infection Prevention: Field Study-Group A  | Dr. Seyhan Hıdıroğlu |
| 10:40-11:30 | Public Health LAB: Infection Prevention: Field Study-Group A  | Dr. Seyhan Hıdıroğlu |
| 11:40-12:30 | Public Health LAB: Infection Prevention: Field Study-Group A  | Dr. Seyhan Hıdıroğlu |
|  |   |   |
| 13:40-14:30 | Public Health LAB:Infection Prevention: Field Study-Group B  | Dr. Seyhan Hıdıroğlu |
| 14:40-15:30 | Public Health LAB:Infection Prevention: Field Study-Group B  | Dr. Seyhan Hıdıroğlu |
| 15:40-16:30 | Public Health LAB:Infection Prevention: Field Study-Group B  | Dr. Seyhan Hıdıroğlu |
| 16:40-17:30 |  |  |
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| **Friday** | **18 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Spirochetes and their pathogenic properties | Dr. Ayşegül Karahasan |
| 10:40-11:30 | Rickettsia, Ehrlichia and their pathogenic properties | Dr. Ayşegül Karahasan |
| 11:40-12:30 | Tissue responses to infections | Dr. Rengin Asiye Ahıskalı |
|  |   |   |
| 13:40-14:30 | PBL Study time |   |
| 14:40-15:30 | PBL-4 |   |
| 15:40-16:30 | PBL-4 |   |
| 16:40-17:30 |  |  |
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| **Week-5 (21 November - 25 November 2022)** |
| **Monday** | **21 November** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Mycobacteria, related microorganisms (Actinomyces, Nocardia) and their pathogenic properties | Dr. Arzu Akşit İlki |
| 10:40-11:30 | Mycobacteria, related microorganisms (Actinomyces, Nocardia) and their pathogenic properties | Dr. Arzu Akşit İlki |
| 11:40-12:30 | Neoplasia: Tumor immunity and clinical features of tumor | Dr. Handan Kaya |
|  |   |   |
| 13:40-14:30 | Microorganisms and carcinogenesis  | Dr. Ayşegül Karahasan |
| 14:40-15:30 | Chlamydia, Mycoplasma and their pathogenic properties | Dr. Ayşegül Karahasan |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
|  |  |  |
| **Tuesday** | **22 November** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **23 November** |  |
| 08:40-09:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group B | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group A | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group A | Multidisciplinary Lab. |
|  |   |   |
| 13:40-14:30 | Anaerobic gram negative bacteria and their pathogenic properties | Dr. Nurver Ülger |
| 14:40-15:30 | Neoplasia: Molecular basis of cancer | Dr. Handan Kaya |
| 15:40-16:30 | Neoplasia: Molecular basis of cancer | Dr. Handan Kaya |
| 16:40-17:30 | Neoplasia: Molecular basis of cancer | Dr. Handan Kaya |
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| **Thursday** | **24 November** |  |
| 08:40-09:30 | Nonfermentative bacteria and their pathogenic properties | Dr. Mehmet Burak Aksu |
| 09:40-10:30 | Aberrations in immune responses- Immunodeficiencies | Dr. Ahmet Oğuzhan Özen |
| 10:40-11:30 | Introduction to primary care and family medicine | Dr. Mehmet Akman |
| 11:40-12:30 | Aberrations in Immune Responses-Immunologic mechanisms of allergic diseases | Dr. Elif Aydıner |
|  |   |   |
| 13:40-14:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group A | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group A | Multidisciplinary Lab. |
| 15:40-16:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group B | Multidisciplinary Lab. |
| 16:40-17:30 | Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-Group B | Multidisciplinary Lab. |
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| **Friday** | **25 November** |  |
| 08:40-09:30 | Microbiology LAB: Examination of curved & nonenteric gram negative bacilli-Group B | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of curved & nonenteric gram negative bacilli-Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of curved & nonenteric gram negative bacilli-Group A | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of curved & nonenteric gram negative bacilli-Group A | Multidisciplinary Lab. |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Tumors and tumor like lesions | Dr. Rengin Asiye Ahıskalı |
| 15:40-16:30 | Anaerobic gram positive bacteria and their pathogenic properties | Dr. Nurver Ülger |
| 16:40-17:30 |  |  |
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| **Week-6 (28 November - 02 December 2022)** |
| **Monday** | **28 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Medically important yeasts and their pathogenic mechanisms | Dr. Arzu Akşit İlki |
| 10:40-11:30 | Medically important yeasts and their pathogenic mechanisms | Dr. Arzu Akşit İlki |
| 11:40-12:30 | Pharmacotherapy in bacterial infections: Macrolides | Dr. Ahmet Akıcı |
|  |   |   |
| 13:40-14:30 | Infectious diseases-Morphologic patterns of injury-1 | Dr. Hasan Toper |
| 14:40-15:30 | Infectious diseases-Morphologic patterns of injury-2 | Dr. Hasan Toper |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **29 November** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **30 November** |  |
| 08:40-09:30 | Infectious diseases-Morphologic patterns of injury-3 | Dr. Hasan Toper |
| 09:40-10:30 | Autopsy | Dr. Rengin Asiye Ahıskalı |
| 10:40-11:30 | Pharmacotherapy in bacterial infections: Broad spectrum antibiotics | Dr. Ahmet Akıcı |
| 11:40-12:30 | General principles of anticancer therapy | Dr. Rezzan Gülhan |
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| 13:40-14:30 | Vaccines and antisera | Dr. Ayşegül Karahasan |
| 14:40-15:30 | Vaccines and antisera | Dr. Ayşegül Karahasan |
| 15:40-16:30 | Pharmacotherapy in fungal infections | Dr. Zehra Nur Turgan |
| 16:40-17:30 |  |  |
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| **Thursday** | **01 December** |  |
| 08:40-09:30 | Microbiology LAB: Examination of spore forming & non-spore forming bacilli-Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of spore forming & non-spore forming bacilli-Group A | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of spore forming & non-spore forming bacilli-Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of spore forming & non-spore forming bacilli-Group B | Multidisciplinary Lab. |
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| 13:40-14:30 | Pathology LAB:Anatomical/ Structural Abnormalities of Organs/Tissues and Mass Lesions-Group A | Multidisciplinary Lab. |
| 14:40-15:30 | Pathology LAB:Pathology of infectious diseases/Group A | Multidisciplinary Lab. |
| 15:40-16:30 | Pathology LAB:Anatomical/ Structural Abnormalities of Organs/Tissues and Mass Lesions-Group B | Multidisciplinary Lab. |
| 16:40-17:30 | Pathology LAB:Pathology of infectious diseases/Group B | Multidisciplinary Lab. |
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| **Friday** | **02 December** |  |
| 08:40-09:30 | Microbiology LAB: Examination of Mycobacteria, Actinomyces, and Nocardia -Group B | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of Mycobacteria, Actinomyces, and Nocardia -Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of Mycobacteria, Actinomyces, and Nocardia -Group A | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of Mycobacteria, Actinomyces, and Nocardia -Group A | Multidisciplinary Lab. |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Dermatophytes and their pathogenic mechanism | Dr. Arzu Akşit İlki |
| 15:40-16:30 | Molds, dimorphic fungi, P. carinii (P. jiroveci) and their pathogenic mechanisms | Dr. Arzu Akşit İlki |
| 16:40-17:30 |  |  |
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| **Week-7 (05 December - 09 December 2022)** |
| **Monday** | **05 December** |  |
| 08:40-09:30 | Microbiology LAB: Examination of yeast & molds -Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of yeast & molds -Group A | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of yeast & molds -Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of yeast & molds -Group B | Multidisciplinary Lab. |
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| 13:40-14:30 | Gram negative small nonenteric bacilli (Legionella, Francisella, Pasteurella) and their pathogenic properties | Dr. Mehmet Burak Aksu |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **06 December** |  |
| 08:40-09:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 09:40-10:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 10:40-11:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 11:40-12:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| 13:40-14:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 14:40-15:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 15:40-16:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
| 16:40-17:30 |  ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 | ICP Lab. |
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| **Wednesday** | **07 December** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Pathology LAB:Pathologic evaluation of neoplastic lesions-Group A | Multidisciplinary Lab. |
| 11:40-12:30 | Pathology LAB:Pathologic evaluation of neoplastic lesions-Group A | Multidisciplinary Lab. |
|  |   |   |
| 13:40-14:30 | Pathology LAB:Pathologic evaluation of neoplastic lesions-Group B | Multidisciplinary Lab. |
| 14:40-15:30 | Pathology LAB:Pathologic evaluation of neoplastic lesions-Group B | Multidisciplinary Lab. |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Thursday** | **08 December** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Collection and transport of specimen to laboratory | Dr. Arzu Akşit İlki |
| 11:40-12:30 | General approach to the laboratory diagnosis of infectious diseases | Dr. Arzu Akşit İlki |
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| 13:40-14:30 | Microbiology LAB:Antimicrobial susceptibility testing-Group B | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB:Antimicrobial susceptibility testing-Group B | Multidisciplinary Lab. |
| 15:40-16:30 | Microbiology LAB:Antimicrobial susceptibility testing-Group A | Multidisciplinary Lab. |
| 16:40-17:30 | Microbiology LAB:Antimicrobial susceptibility testing-Group A | Multidisciplinary Lab. |
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| **Friday** | **09 December** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Public Health LAB: Infection Prevention: Field Study-Group C  | Dr. Seyhan Hıdıroğlu |
| 10:40-11:30 | Public Health LAB: Infection Prevention: Field Study-Group C  | Dr. Seyhan Hıdıroğlu |
| 11:40-12:30 | Public Health LAB: Infection Prevention: Field Study-Group C  | Dr. Seyhan Hıdıroğlu |
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| 13:40-14:30 |   |   |
| 14:40-15:30 | Public Health LAB: Infection Prevention: Field Study-Group D  | Dr. Seyhan Hıdıroğlu |
| 15:40-16:30 | Public Health LAB: Infection Prevention: Field Study-Group D  | Dr. Seyhan Hıdıroğlu |
| 16:40-17:30 | Public Health LAB: Infection Prevention: Field Study-Group D  | Dr. Seyhan Hıdıroğlu |
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| **Week-8 (12 December - 16 December 2022)** |
| **Monday** | **12 December** |  |
| 08:40-09:30 | **PRACTICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
| 17:40-18:30 |  |  |
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| **Tuesday** | **13 December** |  |
| 08:40-09:30 | **PRACTICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
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| **Wednesday** | **14 December** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| **Thursday** | **15 December** |  |
| 08:40-09:30 | **Y2C2 THEORETICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |  |
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| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Friday**  | **16 December** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
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