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| **C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png**  **MARMARA UNIVERSITY SCHOOL of MEDICINE** | | | |
| CELL AND TISSUE INJURY - I  YEAR 2 COURSE 1  September 05 – October 21, 2022 | | | |
| **Coordinator of the Course 2.1**  Prof. Pelin BAĞCI | | | |
| **Year 2 Coordinators**  Prof. Özgür KASIMAY & Assist. Prof. M.Burak AKSU | | | |
| **Module Coordinator**  Prof. Rezzan GÜLHAN, Assist.Prof. Sinem YILDIZ İNANICI | | **Introduction to Clinical Practice (ICP) Coordinators**  Prof. Pemra CÖBEK ÜNALAN & Prof. 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)**  Assoc. Prof. Altuğ ÇİNÇİN & Prof. Hasan R. YANANLI | | **Dean**  Prof. Ümit Süleyman ŞEHİRLİ | |

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

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| CELL AND TISSUE INJURY - I | |
| 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 include the understanding of 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 viruses and viral pathogenesis; * gain knowledge about parasites and pathogenesis of parasitic diseases; * identify major drug classes and prototype drug(s) for each class. | |
| **ASSESSMENT SYSTEM**  Module examination: Written exam at the end of module (10 % of final score)  Practical examination: Practical exams at the end of course  Course 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-2.1 | |
| * Biochemistry * Biophysics * Child Health and Diseases * Family Medicine * Immunology * Medical Genetics | * Microbiology * Nuclear Medicine * Pathology * Pharmacology * Physiology |

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| LECTURERS / TUTORS | |
| Tunç AKKOÇ, Professor of Immunology  Mehmet Burak AKSU, Assist. Professor of Microbiology  Çiğdem APAYDIN KAYA, Professor of Familiy Medicine  Ahmet ARMAN, Professor of Medical Genetics  Zehra Nur TURGAN AŞIK, Lecturer of Pharmacology  Pınar ATA, Professor of Medical Genetics  Çiğdem ATAİZİ ÇELİKEL, Professor of Pathology  Banu AYDIN OMAY, Assoc. Professor of Biophysics  Pelin BAĞCI, Professor of Pathology  Süheyla BOZKURT, Professor of Pathology  Hülya CABADAK, Professor of Biophysics  Saliha Serap ÇİFÇİLİ, Professor of Family Medicine  Rafi Haner DİRESKENELİ, Professor of Internal Medicine  İpek ERBARUT, Assoc. Professor of Pathology  Zafer GÖREN, Professor of Pharmacology  Rezzan GÜLHAN, Professor of Pharmacology  Ahmet İlter GÜNEY, Assoc. Professor of Medical Genetics  Goncagül HAKLAR, Professor of Biochemistry | Ufuk HASDEMİR, Professor of Microbiology  Zeynep Arzu İLKİ, Professor of Microbiology  Ayşegül KARAHASAN, Professor of Microbiology  Mert KAŞKAL, Lecturer of Pharmacology  Salih ÖZGÜVEN, Assist. Professor of Nuclear Medicine  Handan KAYA, Professor of Pathology  Hızır KURTEL, Professor of Physiology  Pınar MEGA TİBER, Assoc. Professor of Biophysics  Oya ORUN, Professor of Biophysics  Erdi SÖZEN, Assist. Professor of Biochemistry  Hasan TOPER, Assist. Professor of Pathology  Halil Turgut TUROĞLU, Professor of Nuclear Medicine  Nurver ÜLGER, Professor of Microbiology  Gülru Pemra CÖBELEK ÜNALAN, Professor of Family Medicine  Hasan Raci YANANLI, Professor of Pharmacology  Alper YILDIRIM, Assoc. Professor of Physiology |
| LABORATORY TUTORS  MICROBIOLOGY: M.U.Hasdemir, A.Karahasan, N.Ulger, Z.A.İlki, M.B.Aksu, E.Sayın  PATHOLOGY: H.Toper | |
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| 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 for Technologist (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 (Cedric Mims et al.). * Review of Medical Microbiology (Patric R. Murray, Ken S. Rosenthal). * Cellular and Molecular Immunology 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 | 4 |  | 4 |
| Biophysics | 12 |  | 12 |
| Family Medicine | 2 |  | 2 |
| Immunology | 12 |  | 12 |
| Microbiology | 25 | 6 | 31 |
| Nuclear Medicine | 2 |  | 2 |
| Pathology | 17 | 4 | 21 |
| Pharmacology | 16 |  | 16 |
| Physiology | 5 |  | 5 |
| Medical Genetics | 7 |  | 7 |
| **SUBTOTAL** | 102 | 10 | 112 |
| ICP-2: Basic Clinical Skills, Human in Medicine, Students Research Activity | 20 | 20 | 40 |
| **TOTAL** | **122** | **30** | **152** |

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| **SEVEN WEEK PROGRAM** | | |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week-1 (05 September - 09 September 2022)** | | |
| **Monday** | **05 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 | Introduction to the course | Dr. Mehmet Burak Aksu |
|  |  |  |
| 13:40-14:30 | Introduction to pharmacology | Dr. Hasan Raci Yananlı |
| 14:40-15:30 | Biochemical aspect of cell death | Dr. Goncagül Haklar |
| 15:40-16:30 | Biochemical aspect of cell death | Dr. Goncagül Haklar |
| 16:40-17:30 |  |  |
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| **Tuesday** | **06 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Molecular mechanisms of necrosis and apoptosis | Dr. Ahmet Arman |
| 10:40-11:30 | General pharmacokinetic principles-1 | Dr. Rezzan Gülhan |
| 11:40-12:30 | General pharmacokinetic principles-2 | Dr. Rezzan Gülhan |
|  |  |  |
| 13:40-14:30 | Introduction to pathology | Dr. Süheyla Bozkurt |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **07 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | General pharmacokinetic principles-3 | Dr. Rezzan Gülhan |
| 11:40-12:30 | General pharmacokinetic principles- 4 | Dr. Rezzan Gülhan |
|  |  |  |
| 13:40-14:30 | Chemokines, neutrophils and monocytes in innate immunity, immunoglobulins: Structure and function, antigen & antibody interactions | Dr. Tunç Akkoç |
| 14:40-15:30 | Chemokines, neutrophils and monocytes in innate immunity, immunoglobulins: Structure and function, antigen & antibody interactions | Dr. Tunç Akkoç |
| 15:40-16:30 | Basic principles of drug toxicity | Dr. Hasan Raci Yananlı |
| 16:40-17:30 |  |  |
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| **Thursday** | **08 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Mechanism of viral pathogenesis | Dr. Ufuk Hasdemir |
| 10:40-11:30 | DNA viruses: Herpes viruses | Dr. Ufuk Hasdemir |
| 11:40-12:30 | Cellular aging and death | Dr. Pınar Ata |
|  |  |  |
| 13:40-14:30 | Cell injury and cell death | Dr. Handan Kaya |
| 14:40-15:30 | Cell injury and cell death | Dr. Handan Kaya |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| **Friday** | **09 September** |  |
| 08:40-09:30 | Major histocompatibility complex (MHC) molecules, antigen processing and presentation | Dr. Tunç Akkoç |
| 09:40-10:30 | Adaptive cell reactions and abnormal accumulations | Dr. İpek Erbarut |
| 10:40-11:30 | Signal transduction of inflammation | Dr. Ahmet Arman |
| 11:40-12:30 | Antiseptics and disenfectants | Dr. Hasan Raci Yananlı |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Acute inflammatory response | Dr. Hasan Toper |
| 15:40-16:30 | Acute inflammatory response | Dr. Hasan Toper |
| 16:40-17:30 |  |  |
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| **Week-2 (12 September - 16 September 2022)** | | |
| **Monday** | **12 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Mechanism of drug action | Dr. Zafer Gören |
| 11:40-12:30 | Mechanism of drug action | Dr. Zafer Gören |
|  |  |  |
| 13:40-14:30 | Introduction to ICP-2 | Dr. Gülru Pemra Ünalan |
| 14:40-15:30 | Radioactivity: the decay law; physical half-life, biological halflife | Dr. Oya Orun |
| 15:40-16:30 | Radioactivity: the decay law; physical half-life, biological halflife | Dr. Oya Orun |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Tuesday** | **13 September** |  |
| 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. |
| 17:40-18:30 |  |  |
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| **Wednesday** | **14 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Types of radiation | Dr. Oya Orun |
| 11:40-12:30 | Types of radiation | Dr. Oya Orun |
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| 13:40-14:30 | Pharmacogenetics | Dr. Ahmet İlter Güney |
| 14:40-15:30 | Pharmacogenetics | Dr. Ahmet İlter Güney |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **15 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Dosimetry, basic concepts | Dr. Oya Orun |
| 10:40-11:30 | Electromagnetic spectrum | Dr. Oya Orun |
| 11:40-12:30 | Tissue renewal and repair: regeneration, healing and fibrosis | Dr. Hasan Toper |
|  |  |  |
| 13:40-14:30 | Interaction of radiation with matter | Dr. Pınar Mega Tiber |
| 14:40-15:30 | Interaction of radiation with matter | Dr. Pınar Mega Tiber |
| 15:40-16:30 | Tissue and organ response to radiation and genetic effects of radiation | Dr. Salih Özgüven |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Friday** | **16 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Human microbiota | Dr. Mehmet Burak Aksu |
| 11:40-12:30 | Effects of the electromagnetic waves on human health | Dr. Banu Aydın Omay |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | RNA viruses: Picornaviruses, Rhabdoviruses and Reoviruses | Dr. Ufuk Hasdemir |
| 15:40-16:30 | RNA viruses: Retroviruses and HIV | Dr. Ufuk Hasdemir |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Week-3 (19 September - 23 September 2022)** | | |
| **Monday** | **19 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Microbiology of water, milk and air | Dr. Mehmet Burak Aksu |
| 10:40-11:30 | Pathogenesis of parasitic disease | Dr. Nurver Ülger |
| 11:40-12:30 | Microbial pathogenicity and virulence | Dr. Arzu Akşit İlki |
|  |  |  |
| 13:40-14:30 | Cytokines | Dr. Tunç Akkoç |
| 14:40-15:30 | Cytokines | Dr. Tunç Akkoç |
| 15:40-16:30 | Introduction to chemotherapeutics | Dr. Rezzan Gülhan |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Tuesday** | **20 September** |  |
| 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. |
| 17:40-18:30 |  |  |
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| **Wednesday** | **21 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Structure and function of complement system | Dr. Tunç Akkoç |
| 10:40-11:30 | Blood and tissue protozoa | Dr. Nurver Ülger |
| 11:40-12:30 | Intestinal and urogenital protozoa | Dr. Nurver Ülger |
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| 13:40-14:30 | Microbiology LAB: Human microbiota-A | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Human microbiota-A | Multidisciplinary Lab. |
| 15:40-16:30 | Microbiology LAB: Human microbiota-B | Multidisciplinary Lab. |
| 16:40-17:30 | Microbiology LAB: Human microbiota-B | Multidisciplinary Lab. |
| 17:40-18:30 |  |  |
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| **Thursday** | **22 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Host parasite interactions | Dr. Mehmet Burak Aksu |
| 10:40-11:30 | Host parasite interactions | Dr. Mehmet Burak Aksu |
| 11:40-12:30 | Cultivation and identification of bacteria | Dr. Arzu Akşit İlki |
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| 13:40-14:30 | Microbiology LAB: Human microbiota-B | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Human microbiota-B | Multidisciplinary Lab. |
| 15:40-16:30 | Microbiology LAB: Human microbiota-A | Multidisciplinary Lab. |
| 16:40-17:30 | Microbiology LAB: Human microbiota-A | Multidisciplinary Lab. |
| 17:40-18:30 |  |  |
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| **Friday** | **23 September** |  |
| 08:40-09:30 | Intestinal and tissue nematodes | Dr. Nurver Ülger |
| 09:40-10:30 | Intestinal and tissue nematodes | Dr. Nurver Ülger |
| 10:40-11:30 | Pathology of hypersensitivity reactions | Dr. Süheyla Bozkurt |
| 11:40-12:30 | Basic principles of immunopathology | Dr. Süheyla Bozkurt |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Immunogenetics of transplantation | Dr. Pınar Ata |
| 15:40-16:30 | Immunogenetics of transplantation | Dr. Pınar Ata |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Week-4 (26 September - 30 September 2022)** | | |
| **Monday** | **26 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Development of T cells, T lymphocyte signaling mechanisms and activation | Dr. Tunç Akkoç |
| 10:40-11:30 | B Lymphocyte: Development and biology | Dr. Tunç Akkoç |
| 11:40-12:30 | Microbial toxins | Dr. Mehmet Burak Aksu |
|  |  |  |
| 13:40-14:30 | Chronic inflammatory response | Dr. Handan Kaya |
| 14:40-15:30 | Introduction to innate immune system | Dr. Rafi Haner Direskeneli |
| 15:40-16:30 | Bridging innate and adaptive immunity dendritic cells, NK cells, NKT cells and other innate-like T and B lineages | Dr. Rafi Haner Direskeneli |
| 16:40-17:30 |  |  |
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| **Tuesday** | **27 September** |  |
| 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** | **28 September** |  |
| 08:40-09:30 | Pharmacotherapy in parasitic infections | Dr. Mert Kaşkal |
| 09:40-10:30 | Immune responses to extracellular and intracellular infections | Dr. Tunç Akkoç |
| 10:40-11:30 | Immune responses to extracellular and intracellular infections | Dr. Tunç Akkoç |
| 11:40-12:30 | Drug-induced immune response and antiallergic treatment | Dr. Hasan Raci Yananlı |
|  |  |  |
| 13:40-14:30 | DNA viruses: Adenoviruses, Parvoviruses, Papavoviruses, and Poxviruses | Dr. Ayşegül Karahasan |
| 14:40-15:30 | RNA viruses: Orthomyxoviruses and Paramyxoviruses | Dr. Ayşegül Karahasan |
| 15:40-16:30 | Cestodes and trematodes | Dr. Nurver Ülger |
| 16:40-17:30 |  |  |
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| **Thursday** | **29 September** |  |
| 08:40-09:30 | Microbiology LAB: Examination of protozoa -A | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of protozoa -A | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of protozoa -A | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of protozoa -A | Multidisciplinary Lab. |
|  |  |  |
| 13:40-14:30 | Microbiology LAB: Examination of protozoa -B | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Examination of protozoa -B | Multidisciplinary Lab. |
| 15:40-16:30 | Microbiology LAB: Examination of protozoa -B | Multidisciplinary Lab. |
| 16:40-17:30 | Microbiology LAB: Examination of protozoa -B | Multidisciplinary Lab. |
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| **Friday** | **30 September** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Molecular and radiobiological behavior | Dr. Hülya Cabadak |
| 10:40-11:30 | Effects of ionizing radiation on the cell and organism | Dr. Hülya Cabadak |
| 11:40-12:30 | Introduction to Family Medicine | Dr. Gülru Pemra Ünalan |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Physiology of microcirculation and edema formation | Dr. Hızır Kurtel |
| 15:40-16:30 | Physiology of microcirculation and edema formation | Dr. Hızır Kurtel |
| 16:40-17:30 |  |  |
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| **Week-5 (03 October - 07 October 2022)** | | |
| **Monday** | **03 October** |  |
| 08:40-09:30 | Eicosanoids and related compounds | Dr. Erdi Sözen |
| 09:40-10:30 | Eicosanoids and related compounds | Dr. Erdi Sözen |
| 10:40-11:30 | Hepatitis viruses | Dr. Ufuk Hasdemir |
| 11:40-12:30 | Pathology LAB: General principals of macroscopic evaluation (slide lecture) | Dr. İpek Erbarut |
|  |  |  |
| 13:40-14:30 | Transplantation pathology | Dr. Handan Kaya |
| 14:40-15:30 | Amyloidosis | Dr. Handan Kaya |
| 15:40-16:30 | Radiation protection | Dr. Hülya Cabadak |
| 16:40-17:30 |  |  |
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| **Tuesday** | **04 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. |
|  |  |  |
| 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** | **05 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Body temperature and its regulation | Dr. Hızır Kurtel |
| 10:40-11:30 | Body temperature and its regulation | Dr. Hızır Kurtel |
| 11:40-12:30 | Pathology of autoimmune disorders | Dr. Süheyla Bozkurt |
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| 13:40-14:30 | Autocoids | Dr. Zafer Gören |
| 14:40-15:30 | Autocoids | Dr. Zafer Gören |
| 15:40-16:30 | Autocoids | Dr. Zafer Gören |
| 16:40-17:30 |  |  |
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| **Thursday** | **06 October** |  |
| 08:40-09:30 | Microbiology LAB: Examination of helminths and medically important arthropods-B | Multidisciplinary Lab. |
| 09:40-10:30 | Microbiology LAB: Examination of helminths and medically important arthropods-B | Multidisciplinary Lab. |
| 10:40-11:30 | Microbiology LAB: Examination of helminths and medically important arthropods-B | Multidisciplinary Lab. |
| 11:40-12:30 | Microbiology LAB: Examination of helminths and medically important arthropods-B | Multidisciplinary Lab. |
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| 13:40-14:30 | Microbiology LAB: Examination of helminths and medically important arthropods-A | Multidisciplinary Lab. |
| 14:40-15:30 | Microbiology LAB: Examination of helminths and medically important arthropods-A | Multidisciplinary Lab. |
| 15:40-16:30 | Microbiology LAB: Examination of helminths and medically important arthropods-A | Multidisciplinary Lab. |
| 16:40-17:30 | Microbiology LAB: Examination of helminths and medically important arthropods-A | Multidisciplinary Lab. |
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| **Friday** | **07 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Laboratory diagnosis of viral infections | Dr. Mehmet Burak Aksu |
| 11:40-12:30 | Laboratory diagnosis of viral infections | Dr. Mehmet Burak Aksu |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Pharmacotherapy of viral infections | Dr. Zehra Nur Turgan |
| 15:40-16:30 | Application of nuclear medicine and radiotherapy | Dr. Halil Turgut Turoğlu |
| 16:40-17:30 |  |  |
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| **Week-6 (10 October - 14 October 2022)** | | |
| **Monday** | **10 October** |  |
| 08:40-09:30 | Miscellaneous viruses; Coronavirus, Flavivirus, Calicivirus | Dr. Mehmet Burak Aksu |
| 09:40-10:30 | Haemodynamic disorders | Dr. Çiğdem Ataizi Çelikel |
| 10:40-11:30 | Thromboembolic disease | Dr. Çiğdem Ataizi Çelikel |
| 11:40-12:30 | Thromboembolic disease | Dr. Çiğdem Ataizi Çelikel |
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| 13:40-14:30 | RNA viruses: Togaviruses, Bunyaviruses, Flaviviruses and other RNA viruses | Dr. Ayşegül Karahasan |
| 14:40-15:30 | Bioterrorism: a global threat | Dr. Ayşegül Karahasan |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Tuesday** | **11 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** | **12 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -A | Multidisciplinary Lab. |
| 10:40-11:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -A | Multidisciplinary Lab. |
| 11:40-12:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -A | Multidisciplinary Lab. |
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| 13:40-14:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -B | Multidisciplinary Lab. |
| 14:40-15:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -B | Multidisciplinary Lab. |
| 15:40-16:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -B | Multidisciplinary Lab. |
| 16:40-17:30 |  |  |
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| **Thursday** | **13 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -C | Multidisciplinary Lab. |
| 10:40-11:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -C | Multidisciplinary Lab. |
| 11:40-12:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -C | Multidisciplinary Lab. |
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| 13:40-14:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -D | Multidisciplinary Lab. |
| 14:40-15:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -D | Multidisciplinary Lab. |
| 15:40-16:30 | Pathology LAB: Cell response to injury and adaptive cell reactions and changes in the size, consistency, colour, and composition of organs -D | Multidisciplinary Lab. |
| 16:40-17:30 |  |  |
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| **Friday** | **14 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Physiology of pain | Dr. Alper Yıldırım |
| 11:40-12:30 | Patient with fever and rash | Dr. Saliha Serap Çifçili |
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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-7 (17 October - 21 October 2022)** | | |
| **Monday** | **17 October** |  |
| 08:40-09:30 | **Y2C1 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 |  |  |
| 16:40-17:30 |  |  |
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| **Tuesday** | **18 October** |  |
| 08:40-09:30 | **Y2C1 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 |  |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **19 October** |  |
| 08:40-09:30 | **Y2C1 THEORETICAL 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 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **20 October** |  |
| 08:40-09:30 |  |  |
| 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 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Friday** | **21 October** |  |
| 08:40-09:30 |  |  |
| 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 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |