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| **C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png**  **MARMARA UNIVERSITY SCHOOL of MEDICINE** | | | |
| RESPIRATORY SYSTEM AND RELATED DISORDERS  YEAR 2 COURSE 5  April 27 – June 18, 2020 | | | |
| **Coordinator of the Course 2.5**  Assoc. Prof., Alper YILDIRIM | | **Coordinator of the Module 2.5**  Prof., Bülent KARADAĞ | |
| **Year 2 Coordinators**  Assoc. Prof., Özgür Kasımay ÇAKIR & Assist. Prof., Burak AKSU | | | |
| **Module Coordinator**  Prof., Özlem SARIKAYA | | **Introduction to Clinical Practice (ICP) Coordinators**  Prof, Pemra ÜNALAN | |
| **Coordinator of Multidisciplinary Students’ Lab**.  Assoc. Prof., Betül KARADEMİR | | **Coordinator of Clinical Skills Lab.**  Assoc. Prof., Çiğdem APAYDIN | |
| **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**  Assoc. 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., Ümit ŞEHİRLİ | | **Dean**  Prof., Hakan GÜNDÜZ | |

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| MU MEDICAL SCHOOL PRE-CLINICAL EDUCATION PROGRAM |
| LEARNING OUTCOMES / COMPETENCIES   1. 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 |
| PHASE-1 LEARNING OBJECTIVES   1. 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. |
| 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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| RESPIRATORY SYSTEM AND RELATED DISORDERS | | |
| AIM and LEARNING OBJECTIVES of COURSE  **Aim:** At the end of this committee, second year students will gain knowledge about the  development, structure and physiology of the respiratory system and pathogenesis of the  disorders related to system. They will also gain knowledge about the signs and symptoms of  pulmonary diseases, related risk factors, prevention, diagnosis, and principles of treatment.  **Learning Objectives:** At the end of this committee, second year students will,  • review the development and histology of the respiratory system  • describe the mechanism of breathing and identify the movement, solubility and transport  of gas molecules  • understand the factors impairing the normal function of the respiratory system and their  pathological reflections on the occurence of the disease  • gain knowledge about microorganisms that affect the respiratory system and respiratory  tract infections  • gain knowledge about the risk groups, risk factors related to pulmonary diseases and  preventive measures  • gain knowledge about the major signs and symptoms of the pulmonary diseases  • gain knowledge about the approach to diagnosis, and principles of treatment in pulmonary  diseases  • comprehend the hazards of smoking  • define the pharmacotherapy of pulmonary diseases  • acquire skills necessary to perform experimental applications | | |
| **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-2.5 & MODULE-2.5 | | |
| * Anatomy * Biochemistry * Biophysics * Biostatistics * Family Medicine * Histology and Embryology * Immunology * Infectious Diseases | * Medical Biology * Microbiology * Pathology * Physiology * Pulmonary Medicine * Medical Education * Public Health | |

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| LECTURERS / TUTORS | |
| Rengin Asiye AHISKALI, Professor of Pathology  Yaşar İnci ALİCAN, Professor of Physiology  Çiğdem APAYDIN KAYA, Assoc. Professor of Public Health  Çiğdem ATAİZİ ÇELİKEL, Professor of Pathology  Abdullah Çağlar BATMAN, Professor of Otorhinolarygology  Emine BOZKURTLAR, Assist. Professor of Pathology  Hülya CABADAK, Professor of Biophysics  Berrin CEYHAN, Professor of Pulmonary Medicine  Zeliha Leyla CİNEL, Professor of Pathology  Turgay Hüseyin ÇELİKEL, Professor of Pulmonary Medicine  Saliha Serap ÇİFÇİLİ, Professor of Family Medicine  Nuri Çagatay ÇİMŞİT, Professor of Radiology  Elif DAĞLI, Professor of Child Health & Diseases  Ela ERDEM ERALP, Assoc. Professor of Child Health & Diseases  Tanju Yusuf ERDİL, Professor of Nuclear Medicine  Emel ERYÜKSEL, Professor of Pulmonary Medicine  Zafer GÖREN, Professor of Pharmacology  Şefik GÖRKEY, Professor of Medical History and Deontology  Rezzan GÜLHAN, Professor of Pharmacology  Ahmet İlter GÜNEY, Assoc. Professor of Medical Genetics  Ufuk HASDEMİR, Professor of Microbiology  Seyhan HIDIROĞLU, Assoc. Professor of Public Health | Selçuk İNANLI, Professor of Otorhinolarygology  Ayşegül KARAHASAN, Professor of Microbiology  Sait KARAKURT, Professor of Pulmonary Medicine  Özgür KASIMAY ÇAKIR, Assoc. Professor of Physiology  Özlem Tuğçe KAYA, Assist. Professor of Histology and Embryology  Volkan KORTEN, Professor of Infectious Diseases  Pınar MEGA TİBER, Assoc. Professor of Biophysics  Oya ORUN, Professor of Biophysics  Necmettin Ömer ÖZDOĞMUŞ, Assoc. Professor of Anatomy  Güner SÖYLEDİR, Professor of Microbiology  Ümit Süleyman ŞEHİRLİ, Professor of Anatomy  Önder ŞİRİKÇİ, Professor of Biochemistry  Serap ŞİRVANCI, Professor of Histology and Embryology  Elif TİGEN, Assoc. Professor of Infectious Diseases  Ahmet TOPUZOĞLU, Professor of Public Health  Gülru Pemra ÜNALAN, Professor of Family Medicine  Hasan Raci YANANLI, Assoc. Professor of Pharmacology  Berrak YEGEN, Professor of Physiology  Alper YILDIRIM, Assoc. Professor of Physiology  Şehnaz Olgun YILDIZELİ, Assoc. Professor of Pulmonary Medicine  Ali Cemal YUMUŞAKHUYLU, Assoc. Professor of Otorhinolarygology |
| READING / STUDYING MATERIALS   * Medical Microbiology; Patrick R. Murray, Michael A. Pfaller, Ken S. Rosenthal. * Jawetz, Melnick, and Adelberg's Medical Microbiology (Lange Basic Science). * http://www.meddean.luc.edu/lumen/meded/medicine/Allergy/Asthma/asthtoc.html * http://www.nlm.nih.gov/medlineplus/asthma.html * Medical Physics physiological measurement BH Broson and RH Smalleroad Scientific Americans 205(1) 56-64. * Nettler CIBA collection vol 6 section VIII. * Physics for the Health Sciences. Nave and B. Nave. * Principles of Physical Chemistry with Applications to the Biological Sciences, D. Freifelder. * Physics with Illustrative Examples from Medicine and Biology Benedek and Villars. * Physics, Health and the Human Body Gustafson * Biochemistry, L.Stryer * Guyton & Hall, Texfbook of Medical Physiology * GINA (Global Initiative for Asthma). * Kumar V, Abbas AK, Fausto N, Aster (Eds.) : Robbins & Cotran Pathologic basis of disease, 8th Ed. | |

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| SUMMARY OF THE COURSE | | | |
| **Discipline** | **Lecture & Group Discussion** | **Multidisciplinary Lab. & Clinical Skills Lab. Practice** | **Total** |
| Anatomy | 13 | 7 | 20 |
| Biochemistry | 2 |  | 2 |
| Biophysics | 6 |  | 6 |
| Family Medicine | 3 |  | 3 |
| Histology and Embryology | 5 | 1 | 6 |
| Infectious Diseases | 4 |  | 4 |
| Microbiology | 4 | 2 | 6 |
| Medical History and Deontology | 1 |  | 1 |
| Nuclear Medicine | 1 |  | 1 |
| Otorhinolaryngology | 3 |  | 3 |
| Pathology | 14 | 4 | 18 |
| Pediatrics | 4 |  | 4 |
| Pharmacology | 6 |  | 6 |
| Physiology | 9 | 1 | 10 |
| Public Health | 4 |  | 4 |
| Pulmonary Medicine | 23 |  | 23 |
| Radiology | 2 |  | 2 |
| Subtotal | 105 | 16 | 121 |
| Case-Based Discussion | 10 |  | 10 |
| TOTAL | 115 |  | 131 |
| ICP-2: Basic Clinical Skills, Human in Medicine (Students’ Research Activity) | 16 | 16 | 32 |
| **TOTAL** | **131** | **32** | **163** |

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| **EIGHT WEEK PROGRAM** | | | |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** | |
| **Week-1 (27 April - 01 May 2020)** | | | |
| **Monday** | **27 April** |  | |
| 08:45-09:30 | Introduction to the course | Dr. Alper Yıldırım | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Opening lecture: Breath and respiration in medicine | Dr. Şefik Görkey | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | The nose, associated structures and paranasal sinuses | Dr. Necmettin Ömer Özdoğmuş | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | The nose, associated structures and paranasal sinuses | Dr. Necmettin Ömer Özdoğmuş | |
| 12:30-12:35 | Discussion |  | |
|  |  |  | |
| 13:45-14:30 | Elective course |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Elective course |  | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
| 16:30-16:35 |  |  | |
| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Tuesday** | **28 April** |  | |
| 08:45-09:30 | The pharynx | Dr. Necmettin Ömer Özdoğmuş | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Histology of the respiratory system: Conducting airways | Dr. Özlem Tuğçe Kaya | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | The larynx | Dr. Ümit Süleyman Şehirli | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | The larynx | Dr. Ümit Süleyman Şehirli | |
| 12:30-12:35 | Discussion |  | |
|  |  |  | |
| 13:45-14:30 | Anatomy LAB: The nose, associated structures and paranasal sinuses- Group A | Anatomy Lab. | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Anatomy LAB: The nose, associated structures and paranasal sinuses- Group B | Anatomy Lab. | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
| 16:30-16:35 |  |  | |
| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Wednesday** | **29 April** |  | |
| 08:45-09:30 | The trachea and the lungs | Dr. Ümit Süleyman Şehirli | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | The trachea and the lungs | Dr. Ümit Süleyman Şehirli | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Anatomy LAB: The pharynx-Group A | Anatomy Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Anatomy LAB: The pharynx-Group B | Anatomy Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Histology of the respiratory system: respiratory airways | Dr. Özlem Tuğçe Kaya | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Histology of the respiratory system: respiratory airways | Dr. Özlem Tuğçe Kaya | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Anatomy LAB: The larynx-Group A | Anatomy Lab. | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Anatomy LAB: The larynx-Group B | Anatomy Lab. | |
| 17:30-17:35 | Discussion |  | |
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| **Thursday** | **30 April** |  | |
| 08:45-09:30 | The thoracic wall | Dr. Necmettin Ömer Özdoğmuş | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | The thoracic wall | Dr. Necmettin Ömer Özdoğmuş | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | The ideal gas law, gas mixtures | Dr. Oya Orun | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | The ideal gas law, gas mixtures | Dr. Oya Orun | |
| 12:30-12:35 | Discussion |  | |
|  |  |  | |
| 13:45-14:30 | The diaphragm | Dr. Ümit Süleyman Şehirli | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Development of the respiratory system | Dr. Serap Şirvancı | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Development of the respiratory system | Dr. Serap Şirvancı | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Friday** | **01 May** |  | |
| 08:45-09:30 | **EMEK VE DAYANIŞMA GÜNÜ** |  | |
| 09:30-09:35 |  | |
| 09:45-10:30 |  | |
| 10:30-10:35 |  | |
| 10:45-11:30 |  | |
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| 17:30-17:35 |  | |
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| **Week-2 (04 May - 08 May 2020)** | | |
| **Monday** | **04 May** |  | |
| 08:45-09:30 | Histology LAB: The respiratory system-Group A | Multidisciplinary Lab. | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Histology LAB: The respiratory system-Group B | Multidisciplinary Lab. | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Epidemiology of airborne diseases | Dr. Seyhan Hıdıroğlu | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Influenza and common cold | Dr. Güner Söyledir | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Elective course |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Elective course |  | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
| 16:30-16:35 |  |  | |
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| 17:30-17:35 |  |  | |
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| **Tuesday** | **05 May** |  | |
| 08:45-09:30 | The mediastinum | Dr. Necmettin Ömer Özdoğmuş | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | The mediastinum | Dr. Necmettin Ömer Özdoğmuş | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Biophysics of ventilation | Dr. Pınar Mega Tiber | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Principles of gas exchange | Dr. Pınar Mega Tiber | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Alveolar ventilation | Dr. Berrak Yegen | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Alveolar ventilation | Dr. Berrak Yegen | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Anatomy LAB: The trachea and the lungs-Group A | Anatomy Lab. | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Anatomy LAB: The trachea and the lungs-Group B | Anatomy Lab. | |
| 17:30-17:35 | Discussion |  | |
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| **Wednesday** | **06 May** |  | |
| 08:45-09:30 |  |  | |
| 09:30-09:35 |  |  | |
| 09:45-10:30 | Diffusion of gases | Dr. Özgür Kasımay Çakır | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Anatomy LAB: The diaphragm-Group A | Anatomy Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Anatomy LAB: The diaphragm-Group B | Anatomy Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Transport of blood gases | Dr. Berrak Yegen | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Transport of blood gases | Dr. Berrak Yegen | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Parameters of gas exchange in lungs and lung imaging | Dr. Hülya Cabadak | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Thursday** | **07 May** |  | |
| 08:45-09:30 | Buffer systems | Dr. Önder Şirikçi | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Buffer systems | Dr. Önder Şirikçi | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Anatomy LAB: The thoracic wall-Group B | Anatomy Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Anatomy LAB: The thoracic wall-Group A | Anatomy Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Regulation of respiration | Dr. Yaşar İnci Alican | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Regulation of respiration | Dr. Yaşar İnci Alican | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
| 16:30-16:35 |  |  | |
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| **Friday** | **08 May** |  | |
| 08:45-09:30 |  |  | |
| 09:30-09:35 |  |  | |
| 09:45-10:30 | Buffering function of the lungs | Dr. Alper Yıldırım | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Anatomy LAB: The mediastinum-Group B | Anatomy Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Anatomy LAB: The mediastinum-Group A | Anatomy Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 |  |  | |
| 14:30-14:35 |  |  | |
| 14:45-15:30 | Signs and symptoms in pulmonary diseases | Dr. Şehnaz Olgun Yıldızeli | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Signs and symptoms in pulmonary diseases | Dr. Şehnaz Olgun Yıldızeli | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Week-3 (11 May - 15 May 2020)** | | |
| **Monday** | **11 May** |  | |
| 08:45-09:30 | Clinical application of pulmonary function test | Dr. Sait Karakurt | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Clinical application of pulmonary function test | Dr. Sait Karakurt | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Principles of physical examination and signs in pulmonary diseases | Dr. Şehnaz Olgun Yıldızeli | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Principles of physical examination and signs in pulmonary diseases | Dr. Şehnaz Olgun Yıldızeli | |
| 12:30-12:35 | Discussion |  | |
|  |  |  | |
| 13:45-14:30 | Elective course |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Elective course |  | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
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| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Tuesday** | **12 May** |  | |
| 08:45-09:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 12:30-12:35 | Discussion |  | |
|  |  |  | |
| 13:45-14:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 17:30-17:35 | Discussion |  | |
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| **Wednesday** | **13 May** |  | |
| 08:45-09:30 | Upper respiratory tract infections | Dr. Ayşegül Karahasan | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Introduction to autonomic nervous system pharmacology | Dr. Zafer Gören | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Effects of increased lung pressure | Dr. Pınar Mega Tiber | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Environmental and occupational causes of lung diseases | Dr. Ahmet Topuzoğlu | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Pulmonary tuberculosis | Dr. Emel Eryüksel | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Pulmonary tuberculosis | Dr. Emel Eryüksel | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
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| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Thursday** | **14 May** |  | |
| 08:45-09:30 | Physiology of deep sea diving, aviation, space and high altitude | Dr. Yaşar İnci Alican | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Otitis media and complications | Dr. Abdullah Çağlar Batman | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Pulmonary tuberculosis | Dr. Rengin Asiye Ahıskalı | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Pulmonary tuberculosis | Dr. Rengin Asiye Ahıskalı | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Pharmacotherapy in tuberculosis | Dr. Hasan Raci Yananlı | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Genetics of pulmonary disorders | Dr. Ahmet İlter Güney | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Diseases of upper airways | Dr. Zeliha Leyla Cinel | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Diseases of upper airways | Dr. Zeliha Leyla Cinel | |
| 17:30-17:35 | Discussion |  | |
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| **Friday** | **15 May** |  | |
| 08:45-09:30 | Agents affecting sympathetic and parasympathetic nervous system | Dr. Zafer Gören | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Agents affecting sympathetic and parasympathetic nervous system | Dr. Zafer Gören | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Lung cancer | Dr. Turgay Hüseyin Çelikel | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Pulmonary thromboembolism | Dr. Turgay Hüseyin Çelikel | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 |  |  | |
| 14:30-14:35 |  |  | |
| 14:45-15:30 | Restrictive lung diseases | Dr. Berrin Ceyhan | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Sarcoidosis | Dr. Berrin Ceyhan | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 |  |  | |
| 17:30-17:35 |  |  | |
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| **Week-4 (18 May - 22 May 2020)** | | |
| **Monday** | **18 May** |  | |
| 08:45-09:30 | Counseling for risky behaviors and counseling in adolescents: Smoking | Dr. Çiğdem Apaydın Kaya | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Paranasal sinus diseases | Dr. Selçuk İnanlı | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Respiratory infections due to mycobacteria and related bacteria | Dr. Ufuk Hasdemir | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Respiratory infections due to mycobacteria and related bacteria | Dr. Ufuk Hasdemir | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Elective course |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Elective course |  | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
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| **Tuesday** | **19 May** |  | |
| 08:45-09:30 | **ATATÜRK'Ü ANMA GENÇLİK VE SPOR BAYRAMI** |  | |
| 09:30-09:35 |  | |
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| **Wednesday** | **20 May** |  | |
| 08:45-09:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group A | Multidisciplinary Lab. | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group B | Multidisciplinary Lab. | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group C | Multidisciplinary Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group D | Multidisciplinary Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Spirometry workshop | Dr. Berrin Ceyhan | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Pleural diseases | Dr. Berrin Ceyhan | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 |  |  | |
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| **Thursday** | **21 May** |  | |
| 08:45-09:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group A | Multidisciplinary Lab. | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group B | Multidisciplinary Lab. | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group C | Multidisciplinary Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Microbiology LAB: Lab diagnosis of respiratory tract infections-Group D | Multidisciplinary Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Viral and fungal diseases of the lung | Dr. Emine Bozkurtlar | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Bacterial pneumonias and lung abscess | Dr. Emine Bozkurtlar | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Control of tuberculosis in primary care | Dr. Ahmet Topuzoğlu | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Air pollution and its adverse effects on health | Dr. Ahmet Topuzoğlu | |
| 17:30-17:35 | Discussion |  | |
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| **Friday** | **22 May** |  | |
| 08:45-09:30 |  |  | |
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| 11:30-11:35 |  |  | |
| 11:45-12:30 | Larynx and orophayngeal diseases | Dr. Ali Cemal Yumuşakhuylu | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 |  |  | |
| 14:30-14:35 |  |  | |
| 14:45-15:30 | Case ( RESPIRATORY DISEASES) | Dr. Turgay Hüseyin Çelikel | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Chronic obstructive lung diseases | Dr. Turgay Hüseyin Çelikel | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Chronic obstructive lung diseases | Dr. Turgay Hüseyin Çelikel | |
| 17:30-17:35 | Discussion |  | |
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| **Week-5 (25 May - 29 May 2020)** | | |
| **Monday** | **25 May** |  | |
| 08:45-09:30 | **RAMAZAN BAYRAMI** |  | |
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| **Tuesday** | **26 May** |  | |
| 08:45-09:30 | **RAMAZAN BAYRAMI** |  | |
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| **Wednesday** | **27 May** |  | |
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| 09:30-09:35 |  |  | |
| 09:45-10:30 |  |  | |
| 10:30-10:35 |  |  | |
| 10:45-11:30 | Neoplastic diseases of the lung | Dr. Rengin Asiye Ahıskalı | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Neoplastic diseases of the lung | Dr. Rengin Asiye Ahıskalı | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Physiology LAB: Pulmonary function 1 & 2 | Computer Lab. | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Physiology LAB: Pulmonary function 1 & 2 | Computer Lab. | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Physiology LAB: Pulmonary function 1 & 2 | Computer Lab. | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Physiology LAB: Pulmonary function 1 & 2 | Computer Lab. | |
| 17:30-17:35 | Discussion |  | |
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| **Thursday** | **28 May** |  | |
| 08:45-09:30 | **PREPARATION FOR MASCO** |  | |
| 09:30-09:35 |  | |
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| **Friday** | **29 May** |  | |
| 08:45-09:30 | **MASCO 2020** |  | |
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| **Week-6 (01 June - 05 June 2020)** | | |
| **Monday** | **01 June** |  | |
| 08:45-09:30 | Case-Based Discussion |  | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Case-Based Discussion |  | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Case-Based Discussion |  | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Case-Based Discussion |  | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Case-Based Discussion |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Case-Based Discussion |  | |
| 15:30-15:35 | Discussion |  | |
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| **Tuesday** | **02 June** |  | |
| 08:45-09:30 | Case-Based Discussion Study Time |  | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Case-Based Discussion Study Time |  | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Case-Based Discussion |  | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Case-Based Discussion |  | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Case-Based Discussion |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Case-Based Discussion |  | |
| 15:30-15:35 | Discussion |  | |
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| **Wednesday** | **03 June** |  | |
| 08:45-09:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | ICP-2: Basic Clinical Skills-Human in Medicine- Students Research Activity-2 |  | |
| 17:30-17:35 | Discussion |  | |
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| **Thursday** | **04 June** |  | |
| 08:45-09:30 |  |  | |
| 09:30-09:35 |  |  | |
| 09:45-10:30 | Approach to adult patient with persistent cough | Dr. Gülru Pemra Ünalan | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Pathology of chronic obstructive pulmonary diseases | Dr. Emine Bozkurtlar | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Pathology of chronic obstructive pulmonary diseases | Dr. Emine Bozkurtlar | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Pharmacotherapy of obstructive lung diseases and bronchial asthma | Dr. Rezzan Gülhan | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Pharmacotherapy of obstructive lung diseases and bronchial asthma | Dr. Rezzan Gülhan | |
| 15:30-15:35 | Discussion |  | |
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| **Friday** | **05 June** |  | |
| 08:45-09:30 |  |  | |
| 09:30-09:35 |  |  | |
| 09:45-10:30 | Patient education in chronic diseases: asthma as an example | Dr. Saliha Serap Çifçili | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Tumors of pleura and mediastinum | Dr. Rengin Asiye Ahıskalı | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Microbiological approach to respiratory tract infections | Dr. Güner Söyledir | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 |  |  | |
| 14:30-14:35 |  |  | |
| 14:45-15:30 | Effects of tobacco on human health | Dr. Elif Dağlı | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Childhood tuberculosis | Dr. Elif Dağlı | |
| 16:30-16:35 | Discussion |  | |
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| **Week-7 (08 June - 12 June 2020)** | | |
| **Monday** | **08 June** |  | |
| 08:45-09:30 |  |  | |
| 09:30-09:35 |  |  | |
| 09:45-10:30 | Lower respiratory tract infections | Dr. Volkan Korten | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Pneumonia | Dr. Volkan Korten | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Pneumonia | Dr. Volkan Korten | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Arterial blood gas analysis | Dr. Emel Eryüksel | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Occupational / environmental lung diseases | Dr. Çiğdem Ataizi Çelikel | |
| 15:30-15:35 | Discussion |  | |
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| **Tuesday** | **09 June** |  | |
| 08:45-09:30 | Pathology of pulmonary circulation | Dr. Çiğdem Ataizi Çelikel | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Diffuse interstitial lung diseases | Dr. Çiğdem Ataizi Çelikel | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Radiological examination of the chest | Dr. Nuri Çagatay Çimşit | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Radiological examination of the chest | Dr. Nuri Çagatay Çimşit | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Pathology LAB: Neoplastic Diseases of Respiratory Tract, Pleura, and Mediastinum-I-Group A | Multidisciplinary Lab. | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Pathology LAB: Neoplastic Diseases of Respiratory Tract, Pleura, and Mediastinum-II-Group B | Multidisciplinary Lab. | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Pathology LAB: Neoplastic Diseases of Respiratory Tract, Pleura, and Mediastinum-I-Group C | Multidisciplinary Lab. | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Pathology LAB: Neoplastic Diseases of Respiratory Tract, Pleura, and Mediastinum-II-Group D | Multidisciplinary Lab. | |
| 17:30-17:35 | Discussion |  | |
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| **Wednesday** | **10 June** |  | |
| 08:45-09:30 | Pathology LAB: Non-neoplastic Diseases of Resiratory Tract, Pleura, and Mediastinum-I-Group A | Multidisciplinary Lab. | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | Pathology LAB: Non-neoplastic Diseases of Resiratory Tract, Pleura, and Mediastinum-II-Group B | Multidisciplinary Lab. | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Pathology LAB: Non-neoplastic Diseases of Resiratory Tract, Pleura, and Mediastinum-I-Group C | Multidisciplinary Lab. | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Pathology LAB: Non-neoplastic Diseases of Resiratory Tract, Pleura, and Mediastinum-II-Group D | Multidisciplinary Lab. | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Sleep apnea syndrome | Dr. Sait Karakurt | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Oxygen and nebulization therapy; mechanical ventilation | Dr. Sait Karakurt | |
| 15:30-15:35 | Discussion |  | |
| 15:45-16:30 | Occupational asthma | Dr. Emel Eryüksel | |
| 16:30-16:35 | Discussion |  | |
| 16:45-17:30 | Diseases of mediastinum and diaphragm | Dr. Emel Eryüksel | |
| 17:30-17:35 | Discussion |  | |
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| **Thursday** | **11 June** |  | |
| 08:45-09:30 | Respiratory Failure | Dr. Sait Karakurt | |
| 09:30-09:35 | Discussion |  | |
| 09:45-10:30 | A patient with cough and fever | Dr. Sait Karakurt | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Bronchial hyperreactivity and asthma | Dr. Ela Erdem Eralp | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Bronchial hyperreactivity and asthma | Dr. Ela Erdem Eralp | |
| 12:30-12:35 | Discussion |  | |
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| 13:45-14:30 | Approach to dyspnea in primary care | Dr. Çiğdem Apaydın Kaya | |
| 14:30-14:35 | Discussion |  | |
| 14:45-15:30 | Rational use of antibiotics in respiratory diseases | Dr. Elif Tigen | |
| 15:30-15:35 | Discussion |  | |
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| **Friday** | **12 June** |  | |
| 08:45-09:30 |  |  | |
| 09:30-09:35 |  |  | |
| 09:45-10:30 | Molecular mechanisms in lung cancer | Dr. Ahmet İlter Güney | |
| 10:30-10:35 | Discussion |  | |
| 10:45-11:30 | Rational pharmacotherapy in respiratory tract infections and cough | Dr. Zafer Gören | |
| 11:30-11:35 | Discussion |  | |
| 11:45-12:30 | Ventilation - perfusion scintigraphy | Dr. Tanju Yusuf Erdil | |
| 12:30-12:35 | Discussion |  | |
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| **Week-8 (15 June - 19 June 2020)** | | |
| **Monday** | **15 June** |  | |
| 08:45-09:30 | **PRACTICAL EXAM** |  | |
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| **Tuesday** | **16 June** |  | |
| 08:45-09:30 | **PRACTICAL EXAM** |  | |
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| **Wednesday** | **17 June** |  | |
| 08:45-09:30 |  |  | |
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| **Thursday** | **18 June** |  | |
| 08:45-09:30 | **Y2C5 THEORETICAL EXAM** |  | |
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| **Friday** | **19 June** |  | |
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