|  |  |  |  |
| --- | --- | --- | --- |
| C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png  **MARMARA UNIVERSITY SCHOOL of MEDICINE** | | | |
| villus-560x560.jpg  GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS  YEAR 3 COURSE 2  October 25 – December 18, 2020 | | | |
| **Coordinator of the Course 3.2**  Assoc. Prof., Yeşim ALAHDAB | | **Coordinator of the Module 3.2**  Prof., Özlen Atuğ | |
| **Year 3 Coordinators**  Prof., Arzu İLKİ & Assoc. Prof., Pınar Mega TİBER | | | |
| **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**.  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 | |

|  |
| --- |
| 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 |

|  |  |  |
| --- | --- | --- |
| GASTROINTESTINAL SYSTEM, METABOLISM AND RELATED DISORDERS | | |
| AIM and LEARNING OBJECTIVES of COURSE  **Aim:** At the end of this committee, third year students will gain knowledge about the development, structure and physiology of the gastrointestinal system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of gastrointestinal system disorders, related risk factors, prevention, diagnosis and principles of treatment.  **Learning Objectives:** At the end of this committee, third year student will,   * understand and review the development, histology and structure of the gastrointestinal system, * understand the working mechanism of gastrointestinal function and its regulation, * comprehend gastrointestinal system as a processor converting foods to building stones of energy, * define the pathologic processes in gastrointestinal system disorders, * gain knowledge about microorganisms that affect the gastrointestinal system and its infections, * gain knowledge about the risk factors related to gastrointestinal system disorders and preventive measures, * gain knowledge about the major signs and symptoms of these disorders * gain knowledge about the approach to diagnosis, and principles of treatment in gastrointestinal disorders and * comprehend laboratory investigation as a part of differential diagnosis. | | |
| **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-3.2 & MODULE-3.2 | | |
| Anatomy  Biochemistry  Biophysics  Dentistry  Family Medicine  Gastroenterology  General Surgery  Histology and Embryology  Microbiology | | Medical Biology  Nuclear Medicine  Pathology  Pharmacology  Pediatrics  Pediatric Surgery  Physiology  Public Health  Radiology |

|  |  |
| --- | --- |
| LECTURERS / TUTORS | |
| Ahmet AKICI, Professor of Pharmacology  Ahmet ARMAN, Professor of Medical Genetics  Çiğdem ATAİZİ ÇELİKEL, Professor of Pathology  Özlen ATUĞ, Professor of Internal Medicine – Gastroenterology  Nadiye Pınar AY, Professor of Public Health  Pelin BAĞCI, Professor of Pathology  Saime BATIREL, Assoc. Professor of Biochemistry  Emine BOZKURTLAR, Assist. Professor of Pathology  Zeliha Leyla CİNEL, Professor of Pathology  Şule ÇETİNEL, Professor of Histology and Embryology  Deniz DUMAN GÜNEY, Professor of Internal Medicine - Gastroenterology  Feriha ERCAN, Professor of Histology and Embryology  Şirin Funda EREN, Professor of Pathology  Rabia ERGELEN, Assist. Professor of Radiology  Deniz ERTEM, Professor of Pediatrics  Adnan GİRAL, Professor of Internal Medicine - Gastroenterology  Ömer GÜNAL, Professor of General Surgery  Feyza GÜNDÜZ, Assoc. Professor of Internal Medicine – Gastroenterology  Goncagül HAKLAR, Professor of Biochemistry  Ufuk HASDEMİR, Professor of Microbiology  Medine Gülçebi İDRİZ OĞLU, Assoc. Professor of Pharmacology  Neşe İMERYÜZ, Professor of Internal Medicine-Gastroenterology  Atila KARAALP, Professor of Pharmacology  Betül KARADEMİR, Assoc. Professor of Biochemistry | Kıvılcım KARADENİZ CERİT, Assoc. Professor of Pediatric Surgery  Ayşegül KARAHASAN, Professor of Microbiology  Nesrin KARTAL ÖZER, Professor of Biochemistry  Özgür KASIMAY ÇAKIR, Assoc. Professor of Physiology  Hızır KURTEL, Professor of Physiology  Nimet Emel LÜLECİ, Professor of Public Health  Cevdet NACAR, Assist. Professor of Biophysics  Oya ORUN, Professor of Biophysics  Osman Cavit ÖZDOĞAN, Professor of Internal Medicine - Gastroenterology  Necmettin Ömer ÖZDOĞMUŞ, Assoc. Professor of Anatomy  Yeşim ÖZEN ALAHDAB, Assoc. Professor of Internal Medicine – Gastroenterology  Güner SÖYLEDİR, Professor of Microbiology  Ümit Süleyman ŞEHİRLİ, Professor of Anatomy  Önder ŞİRİKÇİ, Professor of Biochemistry  Serap ŞİRVANCI, Professor of Histology and Embryology  Halil Turgut TUROĞLU, Professor of Nuclear Medicine  Arzu UZUNER, Professor of Family Medicine  Nurver ÜLGER, Professor of Microbiology  Gülru Pemra ÜNALAN, Professor of Family Medicine  Ural VERİMLİ, Assist. Professor of Anatomy  Hasan Raci YANANLI, Assoc. Professor of Pharmacology  Berrak YEGEN, Professor of Physiology  Alper YILDIRIM, Assoc. Professor of Physiology  Yusuf YILMAZ, Professor of Internal Medicine - Gastroenterology |
| READING / STUDYING MATERIALS   * Biochemistry, Stryer, 4th Ed., Freeman * Biochemistry, Zubay, 3rd Ed., WCB * Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange Interscience, New Jersey 2003 * Introduction to Biostatistics For Health Sciences, Micheal R. Chernick, Robert H. Friss, Willey * Lehninger Principles of Biochemistry, Nelson, Cox, 3rd edition, Worth * Medical Statistics at a Glance, Aviva Petrie, Caroline Sabin, Blackwell Science, London, 2003 * Physics, Giancoli, 4th Ed., Prentice Hall * Practical Statistics For Medical Research, Douglas Altman, Chapman & Hall, London 1995 * Principles of Physiology, Bern and Levy, 4th Ed. * Temel Biyoistatistik, Mustafa Şenocak, Çağlayan Kitapevi, İstanbul 1990 * Textbook of Physiology, Guyton and Hall, 10th Ed. * The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press * Molecular Biology of the Cell, Alberts et al. 3rd Ed., Garland * Basic Pathology (Stanley L. Robbins, Arcia Angel, Vinay Kumar) * Color Textbook of Histology (Gartner, Hiatt) * Developing Human (Moore) * Histology and Cell Biology: An Introduction to Pathology (Abraham L. Kierszenbaum) * Infectious Diseases (Bannistar, Begg, Gillespie) * İnfeksiyon Hastalıkları ve Mikrobiyolojisi Cilt 1, 2 (Topçu, Söyletir, Doğanay) * Tietr Textbook of Clinical Chemistry (Burtis, Ashwood) * CURRENT Diagnosis & Treatment Gastroenterology, Hepatology, & Endoscopy, Second Edition 2012 (LANGE CURRENT Series) Norton Greenberger, Richard Blumberg, Robert Burakoff, Physiology of the Gastrointestinal Tract (Johnson, Alper, Christensen, Jacobson, Walsh) | |

|  |  |  |  |
| --- | --- | --- | --- |
| SUMMARY OF THE COURSE | | | |
| **Discipline** | **Lecture & Group Discussion** | **Multidisciplinary Lab. & Clinical Skills Lab. Practice** | Total |
| Anatomy | 18 | 8 | 26 |
| Biochemistry | 22 | 4 | 26 |
| Biophysics | 3 |  | 3 |
| Histology and Embryology | 8 | 6 | 14 |
|  |  |  |  |
| Family Medicine | 2 |  | 2 |
| General Surgery | 1 |  | 1 |
| Internal Medicine-Gastroenterology | 26 |  | 26 |
|  |  |  |  |
| Medical Genetics | 1 |  | 1 |
| Microbiology | 8 | 2 | 10 |
| Nuclear Medicine | 1 |  | 1 |
| Pathology | 19 | 6 | 25 |
| Pediatrics | 3 |  | 3 |
| Pediatric Surgery | 1 |  | 1 |
| Pharmacology | 4 |  | 4 |
| Physiology | 17 |  | 17 |
| Public Health | 3 |  | 3 |
| Radiology | 2 |  | 2 |
| Subtotal | 139 | 26 | 165 |
| PBL Module | 8 |  | 8 |
| TOTAL | 147 | 26 | 173 |
| ICP-3: Basic Medical Practices, Clinical Skills Lab., (Students’ Research Activity) | 20 | 12 | 32 |
| **TOTAL** | **167** | **38** | **205** |

|  |  |  |
| --- | --- | --- |
| **NINE WEEK PROGRAM** | | |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week – 1 (26 October - 30 October 2020)** | | |
| **Monday** | **26 October** |  |
|  |  |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 |  |  |
|  |  |  |
| **Tuesday** | **27 October** |  |
|  |  |  |
| 09:00-09:50 | Introduction to the course and opening lecture |  |
| 10:00-10:50 | Oral cavity, intraoral structures | Dr. Necmettin Ömer Özdoğmuş |
| 11:00-11:50 | Oral cavity, intraoral structures | Dr. Necmettin Ömer Özdoğmuş |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
|  |  |  |
| **Wednesday** | **28 October** |  |
|  |  |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Salivary glands | Dr. Necmettin Ömer Özdoğmuş |
| 11:00-11:50 | Introduction to gastrointestinal system | Dr. Alper Yıldırım |
|  |  |  |
| 13:00-13:50 | **29 Ekim CUMHURİYET BAYRAMI** |  |
| 14:00-14:50 |  |
| 15:00-15:50 |  |
|  |  |  |
| **Thursday** | **29 October** |  |
| 09:00-09:50 | **29 Ekim CUMHURİYET BAYRAMI** |  |
| 10:00-10:50 |  |
| 11:00-11:50 |  |
|  |  |  |
| 13:00-13:50 | **29 Ekim CUMHURİYET BAYRAMI** |  |
| 14:00-14:50 |  |
| 15:00-15:50 |  |
|  |  |  |
|  |  |  |
| **Friday** | **30 October** |  |
|  |  |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Oral digestion and deglutition | Dr. Hızır Kurtel |
| 11:00-11:50 | Oral digestion and deglutition | Dr. Hızır Kurtel |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Genetics of gastrointestinal disorders | Dr. Ahmet Arman |
| 16:00-16:50 |  |  |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Week – 2 (02 November - 06 November 2020)** | | |
| **Monday** | **02 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Temporomandibular joint, muscles of mastication | Dr. Necmettin Ömer Özdoğmuş |
| 16:00-16:50 | Temporomandibular joint, muscles of mastication | Dr. Necmettin Ömer Özdoğmuş |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Tuesday** | **03 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Biochemical aspects of nutrition | Dr. Nesrin Kartal Özer |
| 11:00-11:50 | Biochemical aspects of nutrition | Dr. Nesrin Kartal Özer |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 15:00-15:50 | Peritonum and omenta | Dr. Ümit Süleyman Şehirli |
| 16:00-16:50 | Peritonum and omenta | Dr. Ümit Süleyman Şehirli |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Wednesday** | **04 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Esophagus, stomach, duodenum and pancreas | Dr. Ümit Süleyman Şehirli |
| 11:00-11:50 | Esophagus, stomach, duodenum and pancreas | Dr. Ümit Süleyman Şehirli |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Histology of oral cavity, lip, tooth, tongue and esophagus | Dr. Feriha Ercan |
| 16:00-16:50 | Histology of oral cavity, lip, tooth, tongue and esophagus | Dr. Feriha Ercan |
| 17:00-17:50 | Histology of stomach | Dr. Feriha Ercan |
| 18:00-18:50 | Histology of stomach | Dr. Feriha Ercan |
|  |  |  |
| **Thursday** | **05 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Gastric digestion | Dr. Berrak Yegen |
| 11:00-11:50 | Gastric digestion | Dr. Berrak Yegen |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 | Vessels of the abdomen | Dr. Ümit Süleyman Şehirli |
| 17:00-17:50 | Vessels of the abdomen | Dr. Ümit Süleyman Şehirli |
| 18:00-18:50 |  |  |
|  |  |  |
| **Friday** | **06 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Jejunum, ileum and colon | Dr. Ümit Süleyman Şehirli |
| 11:00-11:50 | Jejunum, ileum and colon | Dr. Ümit Süleyman Şehirli |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Pathology of gastritis and peptic ulcer disease | Dr. Zeliha Leyla Cinel |
| 16:00-16:50 | Rectum and anal canal | Dr. Ümit Süleyman Şehirli |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Week – 3 (09 November - 13 November 2020)** | | |
| **Monday** | **09 November** |  |
|  |  |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Tuesday** | **10 November** |  |
| 09:00-09:50 | **10 KASIM ATATÜRK'Ü ANMA TÖRENİ** |  |
| 10:00-10:50 | Symptoms and signs of the gastrointestinal diseases | Dr. Özlen Atuğ |
| 11:00-11:50 | Symptoms and signs of the gastrointestinal diseases | Dr. Özlen Atuğ |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 | Pathology of oral cavity and salivary glands | Dr. Şirin Funda Eren |
| 15:00-15:50 | Liver, biliary and portal system | Dr. Ümit Süleyman Şehirli |
| 16:00-16:50 | Liver, biliary and portal system | Dr. Ümit Süleyman Şehirli |
| 17:00-17:50 | Pathology of esophagus | Dr. Pelin Bağcı |
| 18:00-18:50 |  |  |
|  |  |  |
| **Wednesday** | **11 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Histology of the liver and portal system | Dr. Serap Şirvancı |
| 11:00-11:50 | Histology of pancreas | Dr. Serap Şirvancı |
|  |  |  |
| 13:00-13:50 | Temporomandibular joint, muscles of mastication | Dr. Necmettin Ömer Özdoğmuş |
| 14:00-14:50 | Temporomandibular joint, muscles of mastication | Dr. Necmettin Ömer Özdoğmuş |
| 15:00-15:50 | Exocrine functions of pancreas | Dr. Hızır Kurtel |
| 16:00-16:50 | Exocrine functions of pancreas | Dr. Hızır Kurtel |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Thursday** | **12 November** |  |
| 09:00-09:50 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 10:00-10:50 | Discussion |  |
| 11:00-11:50 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
|  |  |  |
| 13:00-13:50 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 14:00-14:50 | Discussion |  |
| 15:00-15:50 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 16:00-16:50 |  |  |
| 17:00-17:50 |  |  |
| 18:00-18:50 |  |  |
|  |  |  |
| **Friday** | **13 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | The role of bile in digestion | Dr. Hızır Kurtel |
| 11:00-11:50 | The role of bile in digestion | Dr. Hızır Kurtel |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Neoplastic diseases of stomach | Dr. Zeliha Leyla Cinel |
| 16:00-16:50 | Anterior abdominal wall | Dr. Necmettin Ömer Özdoğmuş |
| 17:00-17:50 | Anterior abdominal wall | Dr. Necmettin Ömer Özdoğmuş |
| 18:00-18:50 |  |  |
| **Week – 4 (16 November - 20 November 2020)** | | |
| **Monday** | **16 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
| 17:00-17:50 |  |  |
|  |  |  |
| **Tuesday** | **17 November** |  |
| 09:00-09:50 | Gastrointestinal absorption | Dr. Özgür Kasımay Çakır |
| 10:00-10:50 | Gastrointestinal absorption | Dr. Özgür Kasımay Çakır |
| 11:00-11:50 | Physiology of the gastrointestinal motility | Dr. Alper Yıldırım |
|  |  |  |
| 13:00-13:50 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 14:00-14:50 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 15:00-15:50 | Dyspepsia in primary care | Dr. Gülru Pemra Ünalan |
| 16:00-16:50 | Dyspepsia in primary care | Dr. Arzu Uzuner |
| 17:00-17:50 |  |  |
|  |  |  |
| **Wednesday** | **18 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Digestion in the small and large intestine | Dr. Hızır Kurtel |
| 11:00-11:50 | Physiological functions of vitamins | Dr. Özgür Kasımay Çakır |
|  |  |  |
| 13:00-13:50 | Energy metabolism, energy turnover and balance | Dr. Alper Yıldırım |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Anatomy LAB: Oral cavity, intraoral structures |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Thursday** | **19 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 | Pharmacotherapy in peptic ulcer disease | Dr. Medine Gülçebi İdriz Oğlu |
|  |  |  |
| 13:00-13:50 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 14:00-14:50 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 15:00-15:50 | Liver injury, regeneration and fibrogenesis | Dr. Çiğdem Ataizi Çelikel |
| 16:00-16:50 | Liver injury, regeneration and fibrogenesis | Dr. Çiğdem Ataizi Çelikel |
|  |  |  |
| **Friday** | **20 November** |  |
| 09:00-09:50 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 10:00-10:50 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 11:00-11:50 | Morphologic patterns of liver injury; viral hepatitis and autoimmune hepatitis | Dr. Çiğdem Ataizi Çelikel |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 | Gastrointestinal system infections due to Escherichia coli | Dr. Ayşegül Karahasan |
| 15:00-15:50 | Infections due to vibrio cholerae and campylobacter species | Dr. Ayşegül Karahasan |
| 16:00-16:50 | Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication |  |
|  |  |  |
| **Week-5 (23 November – 27 November 2020)** | | |
| **Monday** | **23 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 | Histology LAB: Upper digestive tract |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Tuesday** | **24 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Heat and temperature, heat transfer in the body | Dr. Pınar Mega Tiber |
| 14:00-14:50 | Functions of the large intestine | Dr. Hızır Kurtel |
| 15:00-15:50 | Functions of the large intestine | Dr. Hızır Kurtel |
| 16:00-16:50 |  |  |
|  |  |  |
| **Wednesday** | **25 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Approach to upper gastrointestinal disorders | Dr. Yeşim Özen Alahdab |
| 11:00-11:50 | Approach to upper gastrointestinal disorders | Dr. Yeşim Özen Alahdab |
|  |  |  |
| 13:00-13:50 | Pathology of cholestatic disorders | Dr. Çiğdem Ataizi Çelikel |
| 14:00-14:50 | Developmental abnormalities and liver diseases in childhood | Dr. Çiğdem Ataizi Çelikel |
| 15:00-15:50 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 16:00-16:50 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
|  |  |  |
|  |  |  |
|  |  |  |
| **Thursday** | **26 November** |  |
| 09:00-09:50 | Gastric, intestinal and pancreatic function tests | Dr. Saime Batırel |
| 10:00-10:50 | Gastric, intestinal and pancreatic function tests | Dr. Saime Batırel |
| 11:00-11:50 | Infectious enterocolitis | Dr. Pelin Bağcı |
|  |  |  |
| 13:00-13:50 | Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract | Dr. Pelin Bağcı |
| 14:00-14:50 | Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract | Dr. Pelin Bağcı |
| 15:00-15:50 | Detoxification mechanisms | Dr. Betül Karademir |
| 16:00-16:50 | Histology LAB: Lower digestive tract |  |
|  |  |  |
| **Friday** | **27 November** |  |
| 09:00-09:50 | Metabolism of inorganic compounds | Dr. Betül Karademir |
| 10:00-10:50 | Transport of digested compounds | Dr. Önder Şirikçi |
| 11:00-11:50 | Transport of digested compounds | Dr. Önder Şirikçi |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 | Acute abdominal pain | Dr. Ömer Günal |
| 15:00-15:50 | Proteins in the diet and nitrogen metabolism | Dr. Önder Şirikçi |
| 16:00-16:50 | Proteins in the diet and nitrogen metabolism | Dr. Önder Şirikçi |
| 17:00-17:50 | Histology LAB:Liver,pancreas and salivary glands |  |
|  |  |  |
| **Week-6 (30 November – 04 December 2020)** | | |
| **Monday** | **30 November** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 | **PBL-1** |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Tuesday** | **01 December** |  |
| 09:00-09:50 | Porphyrins and bile pigments | Dr. Önder Şirikçi |
| 10:00-10:50 | Porphyrins and bile pigments | Dr. Önder Şirikçi |
| 11:00-11:50 | Drug and toxin induced liver disease | Dr. Emine Bozkurtlar |
|  |  |  |
| 13:00-13:50 | Metabolism of nucleotides | Dr. Goncagül Haklar |
| 14:00-14:50 |  |  |
| 15:00-15:50 | Anatomy LAB:Peritonum and Omenta |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Wednesday** | **02 December** |  |
| 09:00-09:50 | Metabolism of aminoacids | Dr. Önder Şirikçi |
| 10:00-10:50 | Mass lesions of the liver | Dr. Çiğdem Ataizi Çelikel |
| 11:00-11:50 | Mass lesions of the liver | Dr. Çiğdem Ataizi Çelikel |
|  |  |  |
| 13:00-13:50 | Other viral and infectious diseases of the liver | Dr. Emine Bozkurtlar |
| 14:00-14:50 | Fatty Liver Disease: Alcoholic and Non Alcoholic | Dr. Emine Bozkurtlar |
| 15:00-15:50 | **PBL-2** |  |
| 16:00-16:50 | Anatomy LAB: Esophagus, stomach, duodenum and pancreas |  |
|  |  |  |
|  |  |  |
| **Thursday** | **03 December** |  |
| 09:00-09:50 | Liver failure; epidemiology and etiology | Dr. Osman Cavit Özdoğan |
| 10:00-10:50 | Metabolic diseases of liver | Dr. Osman Cavit Özdoğan |
| 11:00-11:50 | Gallstone disease, diseases of the biliary tract | Dr. Osman Cavit Özdoğan |
|  |  |  |
| 13:00-13:50 | **ICP-Student Reseach Activity** |  |
| 14:00-14:50 | **ICP-Student Reseach Activity** |  |
| 15:00-15:50 | **ICP-Student Reseach Activity** |  |
| 16:00-16:50 |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **Friday** | **04 December** |  |
| 09:00-09:50 | Malabsorption syndromes, vascular disorders and diverticular disease | Dr. Çiğdem Ataizi Çelikel |
| 10:00-10:50 | Inflammatory bowel disease | Dr. Çiğdem Ataizi Çelikel |
| 11:00-11:50 | Epidemiology of food and waterborne disease | Dr. Nadiye Pınar Ay |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 | Tumors of the esophagus stomach and intestine | Dr. Yeşim Özen Alahdab |
| 15:00-15:50 | Abdominal pain | Dr. Yeşim Özen Alahdab |
| 16:00-16:50 | Food additives | Dr. Nimet Emel Lüleci |
| 17:00-17:50 | Anatomy LAB: Vessels of the abdomen |  |
|  |  |  |
| **Week-7 (07 December – 11 December 2020)** | | |
| **Monday** | **07 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 | **PBL-3** |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Tuesday** | **08 December** |  |
| 09:00-09:50 | Alcoholic and non-alcoholic liver disease | Dr. Yusuf Yılmaz |
| 10:00-10:50 | Malabsorption, maldigestion | Dr. Yusuf Yılmaz |
| 11:00-11:50 | Infections due to Salmonella, Shigella and Yersinia | Dr. Nurver Ülger |
|  |  |  |
| 13:00-13:50 | Viral hepatitis | Dr. Osman Cavit Özdoğan |
| 14:00-14:50 | Viral hepatitis | Dr. Osman Cavit Özdoğan |
| 15:00-15:50 | Liver function tests | Dr. Goncagül Haklar |
| 16:00-16:50 | Liver function tests | Dr. Goncagül Haklar |
| 17:00-17:50 | Anatomy LAB: Small and large intestine, rectum and anal canal |  |
|  |  |  |
| **Wednesday** | **09 December** |  |
| 09:00-09:50 | Inherited metabolic disorders of the liver | Dr. Çiğdem Ataizi Çelikel |
| 10:00-10:50 | Regulation of temperature in the body, temperature transducers and thermography | Dr. Cevdet Nacar |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Approach to diseases of pancreas | Dr. Yusuf Yılmaz |
| 14:00-14:50 | Approach to diseases of pancreas | Dr. Yusuf Yılmaz |
| 15:00-15:50 | **PBL-4** |  |
| 16:00-16:50 | Biochemistry LAB: Transamination I |  |
|  |  |  |
| **Thursday** | **10 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | Tumors of the small, large intestine and appendix | Dr. Çiğdem Ataizi Çelikel |
| 11:00-11:50 | Food poisoning | Dr. Nurver Ülger |
|  |  |  |
| 13:00-13:50 | Infections due to intestinal protozoa | Dr. Nurver Ülger |
| 14:00-14:50 | Epidemiology of zoonotic disease | Dr. Nadiye Pınar Ay |
| 15:00-15:50 | Pharmacotherapy in hepatic disorders and the influence of liver function on drug disposition | Dr. Hasan Raci Yananlı |
| 16:00-16:50 | Biochemistry LAB: Transamination II |  |
|  |  |  |
| **Friday** | **11 December** |  |
| 09:00-09:50 | Heat and cold | Dr. Cevdet Nacar |
| 10:00-10:50 | Cirrhosis; diagnosis, staging and portal hypertension | Dr. Osman Cavit Özdoğan |
| 11:00-11:50 | Cirrhosis; complications, treatment and liver transplantation | Dr. Osman Cavit Özdoğan |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 | Approach to gastrointestinal bleeding | Dr. Feyza Gündüz |
| 15:00-15:50 | Jaundice | Dr. Feyza Gündüz |
| 16:00-16:50 | Anatomy LAB: Anterior abdominal wall, inguinal canal |  |
|  |  |  |
|  |  |  |
| **Week-8 (14 December – 18 December 2020)** | | |
| **Monday** | **14 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Tuesday** | **15 December** |  |
| 09:00-09:50 | Anatomy LAB: Liver, biliary and portal system |  |
| 10:00-10:50 | Autoimmune diseases of the liver | Dr. Yeşim Özen Alahdab |
| 11:00-11:50 | Hepatobiliary scintigraphy | Dr. Halil Turgut Turoğlu |
|  |  |  |
| 13:00-13:50 | Pharmacotherapy of gastrointestinal motility | Dr. Ahmet Akıcı |
| 14:00-14:50 | Pharmacotherapy of gastrointestinal motility | Dr. Ahmet Akıcı |
| 15:00-15:50 | Pathology LAB: Upper GI tract pathology |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Wednesday** | **16 December** |  |
| 09:00-09:50 | Epidemiology and laboratory diagnosis of viral hepatitis | Dr. Ufuk Hasdemir |
| 10:00-10:50 | Epidemiology and laboratory diagnosis of viral hepatitis | Dr. Ufuk Hasdemir |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Helminth infections and echinococcosis | Dr. Ayşegül Karahasan |
| 14:00-14:50 | Microbiological approach to the patient with diarrhea | Dr. Ayşegül Karahasan |
| 15:00-15:50 | Development of the digestive system | Dr. Şule Çetinel |
| 16:00-16:50 | Development of the digestive system | Dr. Şule Çetinel |
|  |  |  |
| **Thursday** | **17 December** |  |
| 09:00-09:50 | Viral gastroenteritis | Dr. Ufuk Hasdemir |
| 10:00-10:50 | Mushroom and insecticide poisoning | Dr. Atila Karaalp |
| 11:00-11:50 | Pathology LAB: Lower GI tract pathology |  |
|  |  |  |
| 13:00-13:50 | Inflammatory bowel disease | Dr. Özlen Atuğ |
| 14:00-14:50 | Inflammatory bowel disease | Dr. Özlen Atuğ |
| 15:00-15:50 | Microbiology LAB: Laboratory Diagnosis of GIS |  |
| 16:00-16:50 | Pathology LAB: Pathology of liver and gallbladder |  |
|  |  |  |
| **Friday** | **18 December** |  |
| 09:00-09:50 | Malabsorption and maldigestion in children | Dr. Deniz Ertem |
| 10:00-10:50 | Nutritional assessment: Degree of malnutrition | Dr. Deniz Ertem |
| 11:00-11:50 | Gastroenteritis/dehydration and oral rehydration | Dr. Deniz Ertem |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 | Radiology of the gastrointestinal tract | Dr. Rabia Ergelen |
| 15:00-15:50 | Radiology of the gastrointestinal tract | Dr. Rabia Ergelen |
| 16:00-16:50 | Acute abdominal pain in children | Dr. Kıvılcım Karadeniz Cerit |
|  |  |  |
| **Week-9 (21 December – 25 December 2020)** | | |
| **Monday** | **21 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 | Elective course |  |
| 14:00-14:50 | Elective course |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Tuesday** | **22 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Wednesday** | **23 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Thursday** | **24 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Friday** | **25 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
| **Week-10 (28 December 2020– 01 January 2021)** | | |
|  |  |  |
| **Monday** | **28 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 | **Y3C2 THEORETICAL EXAM** |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Tuesday** | **29 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Wednesday** | **30 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Thursday** | **31 December** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
| **Friday** | **01 January** |  |
| 09:00-09:50 |  |  |
| 10:00-10:50 |  |  |
| 11:00-11:50 |  |  |
|  |  |  |
| 13:00-13:50 |  |  |
| 14:00-14:50 |  |  |
| 15:00-15:50 |  |  |
| 16:00-16:50 |  |  |
|  |  |  |
|  |  |  |