|  |
| --- |
| **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 2October 21 – December 20, 2019 |
| **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 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 |

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

|  |
| --- |
| 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 courseCourse examination: Written exam at the end of course |  **PROGRAM EVALUATION** Evaluation at the end of the course, is done both orally and by using structured evaluation forms |
| DEPARTMENTS PARTICIPATING IN COURSE-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 HealthRadiology |

|  |
| --- |
| LECTURERS / TUTORS |
| Ahmet AKICI, Professor of Pharmacology Ahmet ARMAN, Professor of Medical GeneticsÇiğdem ATAİZİ ÇELİKEL, Professor of Pathology Özlen ATUĞ, Professor of Internal Medicine – GastroenterologyNadiye Pınar AY, Professor of Public Health Pelin BAĞCI, Professor of PathologySaime BATIREL, Assoc. Professor of BiochemistryEmine BOZKURTLAR, Assist. Professor of Pathology Zeliha Leyla CİNEL, Professor of PathologyŞule 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 PathologyRabia 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 – GastroenterologyGoncagül 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 PharmacologyBetül KARADEMİR, Assoc. Professor of Biochemistry  | Kıvılcım KARADENİZ CERİT, Assoc. Professor of Pediatric Surgery Ayşegül KARAHASAN, Professor of Microbiology Nesrin KARTAL ÖZER, Professor of BiochemistryÖzgür KASIMAY ÇAKIR, Assoc. Professor of Physiology Hızır KURTEL, Professor of Physiology Nimet Emel LÜLECİ, Professor of Public HealthCevdet 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 – GastroenterologyGüner SÖYLEDİR, Professor of Microbiology Ümit Süleyman ŞEHİRLİ, Professor of AnatomyÖnder ŞİRİKÇİ, Professor of Biochemistry Serap ŞİRVANCI, Professor of Histology and Embryology Halil Turgut TUROĞLU, Professor of Nuclear MedicineArzu UZUNER, Professor of Family Medicine Nurver ÜLGER, Professor of Microbiology Gülru Pemra ÜNALAN, Professor of Family MedicineUral VERİMLİ, Assist. Professor of Anatomy Hasan Raci YANANLI, Assoc. Professor of Pharmacology Berrak YEGEN, Professor of PhysiologyAlper YILDIRIM, Assoc. Professor of PhysiologyYusuf 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 (21 October - 25 October 2019)** |
| **Monday** | **21 October** |  |
| 08:45-09:30 | Introduction to the course and opening lecture | Dr. Yeşim Özen Alahdab |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Oral cavity, intraoral structures | Dr. Necmettin Ömer Özdoğmuş |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Oral cavity, intraoral structures | Dr. Necmettin Ömer Özdoğmuş |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Introduction to gastrointestinal system | Dr. Alper Yıldırım |
| 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 |  |  |
|   |   |   |
| **Tuesday** | **22 October** |   |
| 08:45-09:30 |  Histology of oral cavity, lip, tooth, tongue and esophagus |  Dr. Şule Çetinel |
| 09:30-09:35 |  Discussion |   |
| 09:45-10:30 |  Histology of oral cavity, lip, tooth, tongue and esophagus |  Dr. Şule Çetinel |
| 10:30-10:35 |  Discussion |   |
| 10:45-11:30 | Oral digestion and deglutition | Dr. Hızır Kurtel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Oral digestion and deglutition | Dr. Hızır Kurtel |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Salivary glands | Dr. Ural Verimli |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Anatomy LAB: Oral cavity, intraoral structures-Group B | Anatomy Lab. |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB: Oral cavity, intraoral structures-Group A | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|   |  |  |
| **Wednesday** | **23 October** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 | Genetics of gastrointestinal disorders | Dr. Ahmet Arman |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Temporomandibular joint, muscles of mastication | Dr. Necmettin Ömer Özdoğmuş |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Temporomandibular joint, muscles of mastication | Dr. Necmettin Ömer Özdoğmuş |
| 12:30-12:35 | Discussion |   |
|   |  |  |
| 13:45-14:30 | Peritonum and omenta | Dr. Ümit Süleyman Şehirli |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Peritonum and omenta | Dr. Ümit Süleyman Şehirli |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group A | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Anatomy LAB: Salivary glands, temporomandibular joint, muscles of mastication-Group B | Anatomy Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **24 October** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Esophagus, stomach, duodenum and pancreas | Dr. Ümit Süleyman Şehirli |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Esophagus, stomach, duodenum and pancreas | Dr. Ümit Süleyman Şehirli |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB:Peritonum and Omenta-Group A | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Anatomy LAB:Peritonum and Omenta-Group B | Anatomy Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Friday** | **25 October** |   |
| 08:45-09:30 | Biochemical aspects of nutrition | Dr. Nesrin Kartal Özer  |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Biochemical aspects of nutrition | Dr. Nesrin Kartal Özer  |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 |  |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 |  |  |
| 15:30-15:35 |  |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Week – 2 (28 October - 01 November 2019)** |
| **Monday** | **28 October** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 | Histology of stomach | Dr. Feriha Ercan |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Histology of small and large intestine | Dr. Feriha Ercan |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
|   |   |   |
| 13:45-14:30 | **TATİL** |   |
| 14:30-14:35 |   |
| 14:45-15:30 |   |
| 15:30-15:35 |   |
| 15:45-16:30 |   |
| 16:30-16:35 |   |
| 16:45-17:30 |   |
| 17:30-17:35 |   |
|   |   |   |
| **Tuesday** | **29 October** |   |
| 08:45-09:30 | **CUMHURİYET BAYRAMI** |   |
| 09:30-09:35 |   |
| 09:45-10:30 |   |
| 10:30-10:35 |   |
| 10:45-11:30 |   |
| 11:30-11:35 |   |
| 11:45-12:30 |   |
| 12:30-12:35 |   |
|   |   |
| 13:45-14:30 |   |
| 14:30-14:35 |   |
| 14:45-15:30 |   |
| 15:30-15:35 |   |
| 15:45-16:30 |   |
| 16:30-16:35 |   |
| 16:45-17:30 |   |
| 17:30-17:35 |   |
|   |   |   |
| **Wednesday** | **30 October** |   |
| 08:45-09:30 | Gastric digestion | Dr. Berrak Yegen |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Gastric digestion | Dr. Berrak Yegen |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Histology LAB: Upper digestive tract-Group A | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Histology LAB: Upper digestive tract-Group A | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Vessels of the abdomen | Dr. Ümit Süleyman Şehirli |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Vessels of the abdomen | Dr. Ümit Süleyman Şehirli |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB: Esophagus, stomach, duodenum and pancreas-Group B | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Anatomy LAB: Esophagus, stomach, duodenum and pancreas:Group A | Anatomy Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **31 October** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |  |  |
| 13:45-14:30 | Pathology of oral cavity and salivary glands | Dr. Şirin Funda Eren |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Jejunum, ileum and colon | Dr. Ümit Süleyman Şehirli |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Jejunum, ileum and colon | Dr. Ümit Süleyman Şehirli |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|   |   |   |
| **Friday** | **01 November** |   |
| 08:45-09:30 | Pathology of gastritis and peptic ulcer disease | Dr. Zeliha Leyla Cinel |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Neoplastic diseases of stomach | Dr. Zeliha Leyla Cinel |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Symptoms and signs of the gastrointestinal diseases | Dr. Adnan Giral |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Symptoms and signs of the gastrointestinal diseases | Dr. Adnan Giral |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Pathology of esophagus | Dr. Pelin Bağcı |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Week – 3 (04 November - 08 November 2019)** |
| **Monday** | **04 November** |   |
| 08:45-09:30 | Anatomy LAB: Vessels of the abdomen - Group A | Anatomy Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Anatomy LAB: Vessels of the abdomen - Group B | Anatomy Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Gastroesophageal reflux disease | Dr. Adnan Giral |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Peptic ulcus disease | Dr. Adnan Giral |
| 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 | Rectum and anal canal | Dr. Ümit Süleyman Şehirli |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Tuesday** | **05 November** |   |
| 08:45-09:30 | Histology LAB: Upper digestive tract-Group B | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Histology LAB: Upper digestive tract-Group B | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Anatomy LAB: Small and large intestine, rectum and anal canal-Group B | Anatomy Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Anatomy LAB: Small and large intestine, rectum and anal canal-Group A | Anatomy Lab. |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Tumors of the esophagus stomach and intestine | Dr. Neşe İmeryüz |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Pharmacotherapy in peptic ulcer disease | Dr. Medine Gülçebi İdriz Oğlu  |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Liver, biliary and portal system | Dr. Ümit Süleyman Şehirli |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Liver, biliary and portal system | Dr. Ümit Süleyman Şehirli |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Wednesday** | **06 November** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 | Anterior abdominal wall | Dr. Necmettin Ömer Özdoğmuş |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Anterior abdominal wall | Dr. Necmettin Ömer Özdoğmuş |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Motility disorders of esophagus | Dr. Adnan Giral |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Histology of the liver and portal system | Dr. Serap Şirvancı |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Histology of pancreas | Dr. Serap Şirvancı |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB: Liver, biliary and portal system-Group A | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Anatomy LAB: Liver, biliary and portal system-Group B | Anatomy Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **07 November** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Exocrine functions of pancreas | Dr. Hızır Kurtel |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Exocrine functions of pancreas | Dr. Hızır Kurtel |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Infectious enterocolitis | Dr. Pelin Bağcı |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Friday** | **08 November** |   |
| 08:45-09:30 | Liver function tests | Dr. Goncagül Haklar |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Liver function tests | Dr. Goncagül Haklar |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | The role of bile in digestion | Dr. Hızır Kurtel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | The role of bile in digestion | Dr. Hızır Kurtel |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 | Heat and temperature, heat transfer in the body | Dr. Oya Orun |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|   |   |   |
| **Week – 4 (11 November - 15 November 2019)** |
| **Monday** | **11 November** |   |
| 08:45-09:30 | Histology LAB: Lower digestive tract-Group A | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Histology LAB: Lower digestive tract-Group A | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Gastrointestinal absorption | Dr. Hızır Kurtel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Gastrointestinal absorption | Dr. Hızır Kurtel |
| 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 | Physiology of the gastrointestinal motility | Dr. Alper Yıldırım |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Tuesday** | **12 November** |   |
| 08:45-09:30 | Histology LAB: Lower digestive tract -Group B | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Histology LAB: Lower digestive tract -Group B  | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Detoxification mechanisms | Dr. Betül Karademir |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Digestion in the small and large intestine | Dr. Hızır Kurtel |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Digestion of nitrogenous compounds, carbohydrates and fat | Dr. Önder Şirikçi |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|   |   |   |
| **Wednesday** | **13 November** |   |
| 08:45-09:30 | Transport of digested compounds | Dr. Önder Şirikçi |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Transport of digested compounds | Dr. Önder Şirikçi |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Epidemiology and laboratory diagnosis of viral hepatitis | Dr. Ufuk Hasdemir |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Epidemiology and laboratory diagnosis of viral hepatitis | Dr. Ufuk Hasdemir |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Functions of the large intestine | Dr. Hızır Kurtel |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Functions of the large intestine | Dr. Hızır Kurtel |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **14 November** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Metabolism of carbohydrates | Dr. Goncagül Haklar |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Histology LAB:Liver,pancreas and salivary glands-Group A | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Histology LAB:Liver,pancreas and salivary glands-Group A | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Friday** | **15 November** |   |
| 08:45-09:30 | Proteins in the diet and nitrogen metabolism | Dr. Önder Şirikçi |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Proteins in the diet and nitrogen metabolism | Dr. Önder Şirikçi |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Histology LAB:Liver,pancreas and salivary glands-Group B | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Histology LAB:Liver,pancreas and salivary glands-Group B | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Morphologic patterns of liver injury; viral hepatitis and autoimmune hepatitis | Dr. Çiğdem Ataizi Çelikel |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Pathology of cholestatic disorders | Dr. Çiğdem Ataizi Çelikel |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Week – 5 (18 November - 22 November 2019)** |
| **Monday** | **18 November** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 |  |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
|   |   |   |
| 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 | PBL-1 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-1 |   |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Tuesday** | **19 November** |   |
| 08:45-09:30 | Pharmacotherapy of gastrointestinal motility disorders | Dr. Ahmet Akıcı |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Pharmacotherapy of gastrointestinal motility disorders | Dr. Ahmet Akıcı |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Gastric, intestinal and pancreatic function tests | Dr. Saime Batırel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Gastric, intestinal and pancreatic function tests | Dr. Saime Batırel |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Metabolism of nucleotides | Dr. Goncagül Haklar |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Physiological functions of vitamins | Dr. Özgür Kasımay Çakır |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Dyspepsia in primary care | Dr. Gülru Pemra Ünalan |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Dyspepsia in primary care | Dr. Arzu Uzuner |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Wednesday** | **20 November** |   |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | Developmental abnormalities and liver diseases in childhood | Dr. Çiğdem Ataizi Çelikel |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Inherited metabolic disorders of the liver | Dr. Çiğdem Ataizi Çelikel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Metabolism of inorganic compounds | Dr. Betül Karademir |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract | Dr. Pelin Bağcı |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Pathology of exocrine pancreas, gall bladder and extrahepatic biliary tract | Dr. Pelin Bağcı |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB: Anterior abdominal wall, inguinal canal-Group B | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Anatomy LAB: Anterior abdominal wall, inguinal canal-Group A | Anatomy Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **21 November** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | PBL Study Time |   |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | PBL-2 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-2 |   |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Friday** | **22 November** |   |
| 08:45-09:30 | Gastrointestinal system infections due to Escherichia coli | Dr. Ayşegül Karahasan |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Infections due to vibrio cholerae and campylobacter species | Dr. Ayşegül Karahasan |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Regulation of temperature in the body, temperature transducers and thermography | Dr. Cevdet Nacar |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Energy metabolism, energy turnover and balance | Dr. Alper Yıldırım |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 | Development of the digestive system  | Dr. Şule Çetinel |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Development of the digestive system  | Dr. Şule Çetinel |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Week – 6 (25 November - 29 November 2019)** |
| **Monday** | **25 November** |   |
| 08:45-09:30 | Metabolism of aminoacids | Dr. Önder Şirikçi |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Infections due to Salmonella, Shigella and Yersinia  | Dr. Nurver Ülger |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 |  |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 | PBL Study Time |   |
| 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 | PBL-3 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-3 |   |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Tuesday** | **26 November** |   |
| 08:45-09:30 | Porphyrins and bile pigments | Dr. Önder Şirikçi |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Porphyrins and bile pigments  | Dr. Önder Şirikçi |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Mass lesions of the liver | Dr. Çiğdem Ataizi Çelikel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Mass lesions of the liver | Dr. Çiğdem Ataizi Çelikel |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Biochemistry LAB: Transamination I A | Multidisciplinary Lab. |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Biochemistry LAB: Transamination II | Multidisciplinary Lab. |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Biochemistry LAB: Transamination III | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Biochemistry LAB: Transamination IV | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Wednesday** | **27 November** |   |
| 08:45-09:30 | Drug and toxin induced liver disease | Dr. Emine Bozkurtlar |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Biochemistry LAB: Transamination I A | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Liver injury, regeneration and fibrogenesis  | Dr. Çiğdem Ataizi Çelikel |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Liver injury, regeneration and fibrogenesis  | Dr. Çiğdem Ataizi Çelikel |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Fatty Liver Disease: Alcoholic and Non Alcoholic | Dr.Emine Bozkurtlar |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Malabsorption syndromes, vascular disorders and diverticular disease | Dr. Çiğdem Ataizi Çelikel |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Inflammatory bowel disease | Dr. Çiğdem Ataizi Çelikel |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Alcoholic and non-alcoholic liver disease | Dr. Yusuf Yılmaz |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **28 November** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 |  |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
|   |   |   |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | PBL Study Time |   |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | PBL-4 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-4 |   |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Friday** | **29 November** |   |
| 08:45-09:30 | Radiology of the gastrointestinal tract | Dr. Rabia Ergelen |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Radiology of the gastrointestinal tract | Dr. Rabia Ergelen |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Application of heat and cold in medicine and human metabolism: energy work and power of body | Dr. Cevdet Nacar |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Acute abdominal pain | Dr. Ömer Günal |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 |  |  |
| 15:30-15:35 |  |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 | Food additives | Dr. Nimet Emel Lüleci |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Week – 7 (2 December - 6 December 2019)** |
| **Monday** | **02 December** |   |
| 08:45-09:30 | Other viral and infectious diseases of the liver | Dr. Emine Bozkurtlar |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Liver failure; epidemiology and etiology | Dr. Osman Cavit Özdoğan |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Metabolic diseases of liver  | Dr. Osman Cavit Özdoğan |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Gallstone disease, diseases of the biliary tract | Dr. Osman Cavit Özdoğan |
| 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 | Viral hepatitis | Dr. Osman Cavit Özdoğan |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Viral hepatitis | Dr. Osman Cavit Özdoğan |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Tuesday** | **03 December** |   |
| 08:45-09:30 | Pathology LAB: Upper GI tract pathology-Group A | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Pathology LAB: Upper GI tract pathology-Group A | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Pathology LAB: Upper GI tract pathology-Group B | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pathology LAB: Upper GI tract pathology-Group B | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Biochemistry LAB: Transamination I B | Multidisciplinary Lab. |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Biochemistry LAB: Transamination II B | Multidisciplinary Lab. |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Biochemistry LAB: Transamination III B | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Biochemistry LAB: Transamination IV B | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Wednesday** | **04 December** |   |
| 08:45-09:30 | Biochemistry LAB: Transamination I B | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Cirrhosis; diagnosis, staging and portal hypertension  | Dr. Osman Cavit Özdoğan |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Cirrhosis; complications, treatment and liver transplantation  | Dr. Osman Cavit Özdoğan |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pharmacotherapy in hepatic disorders and the influence of liver function on drug disposition | Dr. Hasan Raci Yananlı |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Epidemiology of food and waterborne disease | Dr. Nadiye Pınar Ay |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Epidemiology of zoonotic disease | Dr. Nadiye Pınar Ay |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Malabsorption, maldigestion | Dr. Neşe İmeryüz |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Acute abdominal pain in children | Dr. Kıvılcım Karadeniz Cerit |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Thursday** | **05 December** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Abdominal pain | Dr. Yeşim Özen Alahdab |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Food poisoning | Dr. Nurver Ülger |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Infections due to intestinal protozoa | Dr. Nurver Ülger |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Friday** | **06 December** |   |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Helminth infections and echinococcosis | Dr. Ayşegül Karahasan |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Microbiological approach to the patient with diarrhea | Dr. Ayşegül Karahasan |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 | Viral gastroenteritis | Dr. Ufuk Hasdemir |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Approach to diseases of pancreas | Dr. Adnan Giral |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Approach to diseases of pancreas | Dr. Adnan Giral |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Week – 8 (09 December - 13 December 2019)** |
| **Monday** | **09 December** |   |
| 08:45-09:30 | Pathology LAB: Lower GI tract pathology-Group A | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Pathology LAB: Lower GI tract pathology-Group A | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Pathology LAB: Lower GI tract pathology-Group B | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pathology LAB: Lower GI tract pathology-Group B | Multidisciplinary Lab. |
| 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 |   |   |
|   |   |   |
| **Tuesday** | **10 December** |   |
| 08:45-09:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group A | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group A | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group B | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group B | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Inflammatory bowel disease | Dr. Özlen Atuğ |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Inflammatory bowel disease | Dr. Özlen Atuğ |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Malabsorption and maldigestion in children | Dr. Deniz Ertem |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Nutritional assessment: Degree of malnutrition | Dr. Deniz Ertem |
| 17:30-17:35 | Discussion |   |
|  |  |  |
| **Wednesday** | **11 December** |   |
| 08:45-09:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group A | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group A | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group B | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Microbiology LAB: Laboratory Diagnosis of GIS Infections - Group B | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Hepatobiliary scintigraphy | Dr. Halil Turgut Turoğlu |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Mushroom and insecticide poisoning | Dr. Atila Karaalp |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|   |   |   |
| **Thursday** | **12 December** |   |
| 08:45-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 | Pathology LAB: Pathology of liver and gallbladder-Group A | Multidisciplinary Lab. |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Pathology LAB: Pathology of liver and gallbladder-Group A | Multidisciplinary Lab. |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Pathology LAB: Pathology of liver and gallbladder-Group B | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Pathology LAB: Pathology of liver and gallbladder-Group B | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |   |
|   |   |   |
| **Friday** | **13 December** |   |
| 08:45-09:30 | Gastroenteritis/dehydration and oral rehydration | Dr. Deniz Ertem |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Tumors of the small, large intestine and appendix | Dr. Çiğdem Ataizi Çelikel |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Approach to gastrointestinal bleeding | Dr. Feyza Gündüz |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Jaundice | Dr. Feyza Gündüz |
| 12:30-12:35 | Discussion |   |
|   |   |   |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |   |
| 14:45-15:30 | Autoimmune diseases of the liver  | Dr. Yeşim Özen Alahdab |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Approach to the mass lesions of liver |  Dr. Yeşim Özen Alahdab |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Week – 9 (16 December - 20 December 2019)** |
| **Monday** | **16 December** |   |
| 08:45-09:30 | **PRACTICAL EXAM** |   |
| 09:30-09:35 |   |
| 09:45-10:30 |   |
| 10:30-10:35 |   |
| 10:45-11:30 |   |
| 11:30-11:35 |   |
| 11:45-12:30 |   |
| 12:30-12:35 |   |
|   |   |   |
| 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 |   |   |
|   |   |   |
| **Tuesday** | **17 December** |   |
| 08:45-09:30 | **PRACTICAL EXAM** |   |
| 09:30-09:35 |   |
| 09:45-10:30 |   |
| 10:30-10:35 |   |
| 10:45-11:30 |   |
| 11:30-11:35 |   |
| 11:45-12:30 |   |
| 12:30-12:35 |   |
|   |   |
| 13:45-14:30 |   |
| 14:30-14:35 |   |
| 14:45-15:30 |   |
| 15:30-15:35 |   |
| 15:45-16:30 |   |
| 16:30-16:35 |   |
| 16:45-17:30 |   |
| 17:30-17:35 |   |
|   |   |   |
| **Wednesday** | **18 December** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 |   |   |
| 10:30-10:35 |   |   |
| 10:45-11:30 |   |   |
| 11:30-11:35 |   |   |
| 11:45-12:30 |   |   |
| 12:30-12:35 |   |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 |   |   |
| 15:30-15:35 |   |   |
| 15:45-16:30 |   |   |
| 16:30-16:35 |   |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Thursday** | **19 December** |  |
| 08:45-09:30 | **Y3C2 THEORETICAL EXAM** |   |
| 09:30-09:35 |   |
| 09:45-10:30 |   |
| 10:30-10:35 |   |
| 10:45-11:30 |   |
| 11:30-11:35 |   |
| 11:45-12:30 |   |
| 12:30-12:35 |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 |   |   |
| 15:30-15:35 |   |   |
| 15:45-16:30 |   |   |
| 16:30-16:35 |   |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
|   |   |   |
| **Friday** | **20 December** |   |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 |   |   |
| 10:30-10:35 |   |   |
| 10:45-11:30 |   |   |
| 11:30-11:35 |   |   |
| 11:45-12:30 |   |   |
| 12:30-12:35 |   |   |
|   |   |   |
| 13:45-14:30 |   |   |
| 14:30-14:35 |   |   |
| 14:45-15:30 |   |   |
| 15:30-15:35 |   |   |
| 15:45-16:30 |   |   |
| 16:30-16:35 |   |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |