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| **C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png****MARMARA UNIVERSITY SCHOOL of MEDICINE** |
| **26.jpg**GROWTH, DEVELOPMENT, MENTAL HEALTH AND RELATED DISORDERS YEAR 3 COURSE 4March 2– April 16, 2020 |
| **Coordinator of the Course 3.4**Assoc. Prof., Medine GÜLÇEBİ İDRİZOĞLU | **Coordinator of the Module 3.4** Prof., Pemra ÜNALAN |
| **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 |

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

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| GROWTH, DEVELOPMENT, MENTAL HEALTH AND RELATED DISORDERS |
| AIM and LEARNING OBJECTIVES of COURSE **Aim:** At the end of this committee, third year students will gain knowledge about the structure, functions and the pathogenesis of the disorders related to endocrine system. During this committee students will gain a comprehensive view on the health problems of the certain periods of human life cycle such as childhood, adolescents and elderly with a specific emphasis on the growth, development and mental health. They will also gain knowledge about the signs and symptoms of endocrine disorders, psychiatric disorders, related risk factors, prevention, diagnosis and principles of treatment.**Learning Objectives:** At the end of this committee, third year students will * review the development, histology and structure of the endocrine system,
* understand the principles of endocrine homeostasis and hormone action, define the pathologic processes in endocrine and mental disorders,
* get knowledge about growth, development and monitoring in childhood,
* gain knowledge about the risk factors and preventive measures related to endocrine and mental disorders,
* gain knowledge about the major signs and symptoms of endocrine and mental disorders, explain the main determinants of health,
* explain the importance and the effects of social, environmental and life style factors on
* mental and physical health,
* gain knowledge about the approach to diagnosis and principles of treatment in endocrine and mental disorders.
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| **ASSESSMENT SYSTEM**Module examination: Written exam at the end of module (10 % of final score)Practical examination: Practical exams at the end of courseCourse examination: Written exam at the end of course |  **PROGRAM EVALUATION** Evaluation at the end of the course, is done both orally and by using structured evaluation forms |
| DEPARTMENTS PARTICIPATING IN COURSE-3.4 & MODULE-3.4 |
| * Anatomy
* Biochemistry
* Child and Adolescent Psychiatry
* Family Medicine
* Histology and Embryology
* Internal Medicine
* Nutrition and Dietetics
* Pediatrics
 | * Pharmacology
* Physiology
* Psychiatry
* Medical Education
* Medical Genetics
* Public Health
* Radiology
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| LECTURERS / TUTORS |
| Rengin Asiye AHISKALI, Professor of PathologyDilek AKAKIN, Assoc. Professor of HistologyYıldız AKVARDAR, Professor of PsychiatryYaşar İnci ALİCAN, Professor of PhysiologyÇiğdem APAYDIN KAYA, Assoc. Professor of Family MedicineAhmet ARMAN, Professor of Medical GeneticsPınar ATA, Professor of Medical GeneticsNadiye Pınar AY, Professor of Public HealthPelin BAĞCI, Professor of PathologyAliye Tuğba BAHADIR, Assist. Professor of Child and Adolescent PsychiatryAbdullah BEREKET, Professor of Child Health & DiseasesOnur BUĞDAYCI, Assist. Professor of RadiologyZeliha Leyla CİNEL, Professor of PathologySaliha Serap ÇİFÇİLİ, Professor of Family MedicineFeriha ERCAN, Professor of Histology and EmbryologyTanju Yusuf ERDİL, Professor of Nuclear MedicineBilgen Bilge GEÇKİNLİ, Assoc. Professor of Medical GeneticsDilek GOGAS YAVUZ, Professor of Internal MedicineZafer GÖREN, Professor of PharmacologyHülya GÖZÜ, Professor of Internal MedicineMedine GÜLÇEBİ İDRİZ OĞLU, Assoc. Professor of PharmacologyAhmet İlter GÜNEY, Assoc. Professor of Medical GeneticsGoncagül HAKLAR, Professor of BiochemistrySeyhan HIDIROĞLU, Assoc. Professor of Public Health | Atila KARAALP, Professor of PharmacologyMelda KARAVUŞ, Professor of Public HealthNesrin KARTAL ÖZER, Professor of BiochemistryHızır KURTEL, Professor of PhysiologyNimet Emel LÜLECİ, Professor of Public HealthFiliz ONAT, Professor of PharmacologyAyşe Nilüfer ÖZAYDIN, Assoc. Professor of Public HealthNecmettin Ömer ÖZDOĞMUŞ, Assoc. Professor of AnatomyNeşe PERDAHLI FİŞ, Professor of Child and Adolescent PsychiatryAyşe RODOPMAN ARMAN, Professor of Child and Adolescent PsychiatryOsman Talat SABUNCUOĞLU, Professor of Child and Adolescent PsychiatryDilşad SAVE, Professor of Public HealthMustafa Kemal SAYAR, Professor of PsychiatryMehmet Ali SÖYLEMEZ, Instructor in Medical GeneticsÖnder ŞİRİKÇİ, Professor of BiochemistryÖzlem TARÇIN, Assoc. Professor of Internal MedicineVolkan TOPÇUOĞLU, Professor of PsychiatryAhmet TOPUZOĞLU, Professor of Public HealthAxel WÜRZ, Instructor in PsychiatryAhmet Suha YALÇIN, Professor of BiochemistryHasan Raci YANANLI, Assoc. Professor of PharmacologyBerrak YEGEN, Professor of Physiology Alper YILDIRIM, Assoc. Professor of Physiology |
| READING / STUDYING MATERIALS* Williams Textbook of Endocrinology. 10th ed./P.Reed Larsen. et al.
* Joslin's Diabetes Mellitus. 14th ed./ Edited by C. Ronald Kahn et al.
* Kaplan & Sadock's Comprehensive Textbook of Psychiatry. Editors, Benjamin J.,Sadock, Virginia A. Sadock.
* Nelson Textbook of Pediatrics.17th ed./Richard E. Behrman, Robert M. Kliegman, Hal B. Jenson.
* Basic Pathology. Vinay Kumar, Ramzi S. Cotran, Stanley L. Robbins.
* Color Textbook of Histology. Leslie P. Gartner, James L. Hiatt
* Histology and Cell Biology: An Introduction to Pathology. Abraham L.Kierszenbaum
* Basic & Clinical Pharmacology. [Bertram G. Katzung; Susan B.](http://libproxy.tulane.edu:2048/login?url=http://accessmedicine.mhmedical.com/book.aspx?bookid=388)Masters, Antony Trevor
* Goodman & Gilman's The Pharmacological Basis of Therapeutics – L. S. Goodman; L. L. Brunton; B. Chabner; B. Knollman
* Clinical Anatomy for Medical Students. Richard S. Snell
* Textbook of Medical Physiology. Arthur C. Guyton, John E. Hall
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| SUMMARY OF THE COURSE  |
| **Discipline** | **Lecture & Group Discussion** | **Multidisciplinary Lab. & Clinical Skills Lab. Practice** | Total |
| Anatomy | 1 | 1 | 2 |
| Biochemistry | 12 |  | 12 |
| Child and Adolescent Psychiatry | 5 |  | 5 |
| Family Medicine | 4 |  | 4 |
| Histology and Embryology | 4 | 2 | 6 |
| Internal Medicine | 17 |  | 17 |
| Medical Genetics | 4 |  | 4 |
| Nuclear Medicine | 1 |  | 1 |
| Pathology | 6 | 1 | 7 |
| Pediatrics | 10 |  | 10 |
| Pharmacology | 13 |  | 13 |
| Physiology | 12 |  | 12 |
| Psychiatry | 19 |  | 19 |
| Public Health | 12 |  | 12 |
| Radiology | 1 |  | 1 |
| Subtotal | 121 | 4 | 125 |
| PBL Module | 10 |  | 10 |
| TOTAL | 131 | 4 | 135 |
| ICP-3: Basic Medical Practices, Clinical Skills Lab.,(Students’ Research Activity) | 12 | 12 | 24 |
| **TOTAL** | **143** | **16** | **159** |

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| **SEVEN WEEK PROGRAM** |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week-1 (02 March - 06 March 2020)** |
| **Monday** | **02 March** |  |
| 08:45-09:30 | Introduction to the course | Dr. Medine Gülçebi İdriz Oğlu  |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Thyroid and parathyroid glands | Dr. Necmettin Ömer Özdoğmuş |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Pituitary and pineal glands | Dr. Feriha Ercan |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Thyroid and parathyroids | Dr. Feriha Ercan |
| 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** | **03 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Skeletal muscle and adipose tissue as endocrine organs | Dr. Hızır Kurtel |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Biosynthesis and metabolism of thyroid hormones | Dr. Goncagül Haklar |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Biosynthesis and metabolism of thyroid hormones | Dr. Goncagül Haklar |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Thyroid function | Dr. Yaşar İnci Alican |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Thyroid function | Dr. Yaşar İnci Alican |
| 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** | **04 March** |  |
| 08:45-09:30 | Pathology of thyroid and parathyroid diseases | Dr. Zeliha Leyla Cinel |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Pathology of thyroid and parathyroid diseases | Dr. Zeliha Leyla Cinel |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Hyperthyroidism | Dr. Özlem Tarçın |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Hypothyroidism | Dr. Özlem Tarçın |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Radioisotope imaging of thyroid diseases and iodine therapy in hyperthyroidism and thyroid cancer | Dr. Tanju Yusuf Erdil |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Endemic goiter | Dr. Nimet Emel Lüleci |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Anatomy LAB: Thyroid and parathyroid glands-Group A | Anatomy Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Anatomy LAB: Thyroid and parathyroid glands-Group B | Anatomy Lab. |
| 17:30-17:35 | Discussion |   |
|   |  |  |
| **Thursday** | **05 March** |  |
| 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 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |   |
| 17:30-17:35 | Discussion |   |
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| **Friday** | **06 March** |  |
| 08:45-09:30 | Genetic disorders of thyroid and parathyroid glands | Dr. Ahmet İlter Güney |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Thyroiditis | Dr. Hülya Gözü |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Thyroid function tests | Dr. Hülya Gözü |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Goiter and thyroid cancers | Dr. Özlem Tarçın |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 |  |   |
| 14:30-14:35 |  |   |
| 14:45-15:30 | Introduction to endocrine pharmacology | Dr. Atila Karaalp |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Pharmacotherapy of thyroid diseases | Dr. Atila Karaalp |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |   |
| 17:30-17:35 |  |   |
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| **Week-2 (09 March - 13 March 2020)** |
| **Monday** | **09 March** |  |
| 08:45-09:30 | Adrenal glands | Dr. Feriha Ercan |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Development of endocrine organs | Dr. Dilek Akakın |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Biochemistry of hypothalamic and hypophysial hormones | Dr. Ahmet Suha Yalçın |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Biochemistry of hypothalamic and hypophysial hormones | Dr. Ahmet Suha Yalçın |
| 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** | **10 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Hypothalamus and the growth hormone | Dr. Berrak Yegen |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Hypothalamus and the growth hormone | Dr. Berrak Yegen |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pathology of hypothalamus and pituitary | Dr. Pelin Bağcı |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Disorders of hypothalamus and pituitary | Dr. Özlem Tarçın |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Disorders of hypothalamus and pituitary | Dr. Özlem Tarçın |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Histology LAB: Endocrine organs-Group A | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Histology LAB: Endocrine organs-Group A | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |   |
|   |  |  |
| **Wednesday** | **11 March** |  |
| 08:45-09:30 | Histology LAB: Endocrine organs-Group B | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Histology LAB: Endocrine organs-Group B | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Hormonal regulation of bone metabolism | Dr. Yaşar İnci Alican |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Hormonal regulation of bone metabolism | Dr. Yaşar İnci Alican |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Calcium and phosphate metabolism | Dr. Önder Şirikçi |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Calcium and phosphate metabolism | Dr. Önder Şirikçi |
| 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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| **Thursday** | **12 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Hyperparathyroidism | Dr. Dilek Gogas Yavuz  |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Hypoparathyroidism | Dr. Özlem Tarçın |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pharmacotherapy of disorders of calcium metabolism | Dr. Medine Gülçebi İdriz Oğlu  |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Hormonal control of blood glucose | Dr. Hızır Kurtel |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Hormonal control of blood glucose | Dr. Hızır Kurtel |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Endocrine function of pancreas | Dr. Goncagül Haklar |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Endocrine function of pancreas | Dr. Goncagül Haklar |
| 17:30-17:35 | Discussion |   |
|   |  |  |
| **Friday** | **13 March** |  |
| 08:45-09:30 | Pathology of endocrine pancreas | Dr. Rengin Asiye Ahıskalı |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Pathology of endocrine pancreas | Dr. Rengin Asiye Ahıskalı |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Pathophysiology of diabetes mellitus (type 1 DM) | Dr. Abdullah Bereket |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Acute complications of diabetes mellitus | Dr. Abdullah Bereket |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 |  |   |
| 14:30-14:35 |  |   |
| 14:45-15:30 | Classification and diagnosis of diabetes mellitus | Dr. Dilek Gogas Yavuz  |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Pathophysiology of diabetes mellitus (type II DM) | Dr. Dilek Gogas Yavuz  |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |   |
| 17:30-17:35 |  |   |
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| **Week-3 (16 March - 20 March 2020)** |
| **Monday** | **16 March** |  |
| 08:45-09:30 | Chronic complications of diabetes mellitus | Dr. Hülya Gözü |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Chronic complications of diabetes mellitus | Dr. Hülya Gözü |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Diabetes insipidus | Dr. Abdullah Bereket |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Genetic basis of diabetes mellitus | Dr. Mehmet Ali Söylemez |
| 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-1 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-1 |   |
| 17:30-17:35 | Discussion |   |
|   |  |  |
| **Tuesday** | **17 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Treatment of diabetes mellitus | Dr. Özlem Tarçın |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Pharmacotherapy of diabetes mellitus | Dr. Filiz Onat |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pharmacotherapy of diabetes mellitus | Dr. Filiz Onat |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Adrenal cortex hormones | Dr. Hızır Kurtel |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Adrenal cortex hormones | Dr. Hızır Kurtel |
| 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** | **18 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Catecholamines | Dr. Nesrin Kartal Özer  |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Catecholamines | Dr. Nesrin Kartal Özer  |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pathology of adrenal cortex and medulla | Dr. Zeliha Leyla Cinel |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Pathology LAB: Pathology of endocrine diseases-Group A |   |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Pathology LAB: Pathology of endocrine diseases-Group B |   |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Pathology LAB: Pathology of endocrine diseases-Group C |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | Pathology LAB: Pathology of endocrine diseases-Group D |   |
| 17:30-17:35 | Discussion |   |
|   |  |  |
| **Thursday** | **19 March** |  |
| 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** | **20 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Adrenal medullary hormones | Dr. Alper Yıldırım |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Adrenal insufficiency | Dr. Dilek Gogas Yavuz  |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Cushing syndrome | Dr. Dilek Gogas Yavuz  |
| 12:30-12:35 | Discussion |   |
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| **Week-4 (23 March - 27 March 2020)** |
| **Monday** | **23 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Endocrine hypertension | Dr. Hülya Gözü |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Radiology of endocrine diseases | Dr. Onur Buğdaycı |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | PBL Study Time |   |
| 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 | PBL-3 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-3 |   |
| 17:30-17:35 | Discussion |   |
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| **Tuesday** | **24 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Biosynthesis and metabolism of steroid hormones | Dr. Nesrin Kartal Özer  |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Biosynthesis and metabolism of steroid hormones | Dr. Nesrin Kartal Özer  |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
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| 13:45-14:30 | Clinical pharmacology of steroids | Dr. Hasan Raci Yananlı |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Clinical pharmacology of steroids | Dr. Hasan Raci Yananlı |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Social determinants of mental health and social psychiatry | Dr. Yıldız Akvardar |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |   |
| 17:30-17:35 |  |   |
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| **Wednesday** | **25 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Introduction to sexual disorders | Dr. Axel Würz |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Genetic basis of sexual differentiation  | Dr. Bilgen Bilge Geçkinli |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Introduction to child and adolescence psychiatry | Dr. Osman Talat Sabuncuoğlu |
| 12:30-12:35 | Discussion |   |
|   |  |   |
| 13:45-14:30 | Hereditary growth hormone deficiency | Dr. Ahmet Arman |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Growth, development and feeding in the infant and child | Dr. Nadiye Pınar Ay |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Growth, development and feeding in the infant and child | Dr. Nadiye Pınar Ay |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |   |
| 17:30-17:35 |  |   |
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| **Thursday** | **26 March** |  |
| 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 |   |
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| 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 |   |
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| **Friday** | **27 March** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Mental development and developmental disorders | Dr. Neşe Perdahlı Fiş |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Growth monitoring and anthropometry | Dr. Abdullah Bereket |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Growth and developmental problems | Dr. Abdullah Bereket |
| 12:30-12:35 | Discussion |   |
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| 13:45-14:30 |  |   |
| 14:30-14:35 |  |   |
| 14:45-15:30 | Child abuse and neglect in child psychiatry perspective | Dr. Ayşe Rodopman Arman |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Developmental psychopathology: Common child psychiatric disorders | Dr. Ayşe Rodopman Arman |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |   |
| 17:30-17:35 |  |   |
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| **Week-5 (30 March - 03 April 2020)** |
| **Monday** | **30 March** |  |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 | Domestic violance | Dr. Ahmet Topuzoğlu |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Mental disorders due to medical conditions | Dr. Volkan Topçuoğlu |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | PBL Study Time |   |
| 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 | PBL-5 |   |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 | PBL-5 |   |
| 17:30-17:35 | Discussion |   |
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| **Tuesday** | **31 March** |  |
| 08:45-09:30 | Disorders of sexual differentiation | Dr. Abdullah Bereket |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Congenital adrenal hyperplasia | Dr. Abdullah Bereket |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3: Panel  |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3: MaSCo BAZAAR  |   |
| 12:30-12:35 | Discussion |   |
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| 13:45-14:30 | Signs and symptoms in psychiatry | Dr. Volkan Topçuoğlu |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Signs and symptoms in psychiatry | Dr. Volkan Topçuoğlu |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Body and psychiatry: Introduction to somatoform disorders | Dr. Mustafa Kemal Sayar |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |   |   |
| 17:30-17:35 |   |   |
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| **Wednesday** | **01 April** |  |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 | Observation and communication techniques in psychiatry | Dr. Axel Würz |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Observation and communication techniques in psychiatry | Dr. Axel Würz |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Psychosocial development | Dr. Aliye Tuğba Bahadır |
| 12:30-12:35 | Discussion |   |
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| 13:45-14:30 | Puberty and pubertal disorders | Dr. Abdullah Bereket |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Puberty and pubertal disorders | Dr. Abdullah Bereket |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Mental health targets in Health 21 | Dr. Ahmet Topuzoğlu |
| 16:30-16:35 | Discussion |   |
| 16:45-17:30 |  |   |
| 17:30-17:35 |  |   |
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| **Thursday** | **02 April** |  |
| 08:45-09:30 | ICP-3:Students Research Activity-3-DATA ANALYZE |   |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | ICP-3:Students Research Activity-3-DATA ANALYZE |   |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | ICP-3:Students Research Activity-3-DATA ANALYZE |   |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-3:Students Research Activity-3-DATA ANALYZE |   |
| 12:30-12:35 | Discussion |   |
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| 13:45-14:30 | Demographic transition in the world and Turkey | Dr. Ayşe Nilüfer Özaydın |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Neurobiology of mental disorders I | Dr. Yıldız Akvardar |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Neurobiology of mental disorders II | Dr. Yıldız Akvardar |
| 16:30-16:35 | Discussion |   |
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| 17:30-17:35 |  |   |
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| **Friday** | **03 April** |  |
| 08:45-09:30 |   |   |
| 09:30-09:35 |   |   |
| 09:45-10:30 | Assessment of community nutrition | Dr. Seyhan Hıdıroğlu |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Nutrition in risk groups | Dr. Melda Karavuş |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Nutrition in risk groups | Dr. Melda Karavuş |
| 12:30-12:35 | Discussion |   |
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| 14:30-14:35 |  |   |
| 14:45-15:30 | Mood disorders I: Depression | Dr. Yıldız Akvardar |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Mood disorders II: Bipolar disorder | Dr. Yıldız Akvardar |
| 16:30-16:35 | Discussion |   |
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| **Week-6 (06 April - 10 April 2020)** |
| **Monday** | **06 April** |  |
| 08:45-09:30 | Congenital anomalies in children | Dr. Nursel Elçioğlu |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Health and illness | Dr. Dilşad Save |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Social and behavioral determinants of health and disease | Dr. Nadiye Pınar Ay |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | CASE: Adult patient with excessive sleepiness and fatigue | Dr. Çiğdem Apaydın Kaya |
| 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 |   |
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| **Tuesday** | **07 April** |  |
| 08:45-09:30 | Pharmacotherapy of depressive disorder | Dr. Zafer Gören |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Pharmacotherapy of depressive disorder | Dr. Zafer Gören |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Introduction to anxiety disorders II | Dr. Volkan Topçuoğlu |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Introduction to anxiety disorders II | Dr. Volkan Topçuoğlu |
| 12:30-12:35 | Discussion |   |
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| 13:45-14:30 | Schizophrenia and psychotic disorders | Dr. Volkan Topçuoğlu |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Schizophrenia and psychotic disorders | Dr. Volkan Topçuoğlu |
| 15:30-15:35 | Discussion |   |
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| **Wednesday** | **08 April** |  |
| 08:45-09:30 |  |   |
| 09:30-09:35 |  |   |
| 09:45-10:30 | Pharmacotherapy of anxiety and sleep disorders | Dr. Zafer Gören |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Alcohol and substance use disorders | Dr. Yıldız Akvardar |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Alcohol and substance use disorders | Dr. Yıldız Akvardar |
| 12:30-12:35 | Discussion |   |
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| 13:45-14:30 | Healthy diet | Dr. Melda Karavuş |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Drug and substance addiction | Dr. Atila Karaalp |
| 15:30-15:35 | Discussion |   |
| 15:45-16:30 | Clinical pharmacology and toxicity of alcohol | Dr. Atila Karaalp |
| 16:30-16:35 | Discussion |   |
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| **Thursday** | **09 April** |  |
| 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 |   |
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| 13:45-14:30 | Pharmacotherapy of psychosis | Dr. Filiz Onat |
| 14:30-14:35 | Discussion |   |
| 14:45-15:30 | Primary prevention in elderly | Dr. Saliha Serap Çifçili |
| 15:30-15:35 | Discussion |   |
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| **Friday** | **10 April** |  |
| 08:45-09:30 | Geriatric syndromes | Dr. Saliha Serap Çifçili |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Geriatric syndromes | Dr. Saliha Serap Çifçili |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Pharmacological therapies in psychiatry | Dr. Volkan Topçuoğlu |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | Pharmacological therapies in psychiatry | Dr. Volkan Topçuoğlu |
| 12:30-12:35 | Discussion |   |
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| **Week-7 (13 April - 17 April 2020)** |
| **Monday** | **13 April** |  |
| 08:45-09:30 | **PRACTICAL EXAM** |   |
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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 |   |
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| **Tuesday** | **14 April** |  |
| 08:45-09:30 | **PRACTICAL EXAM** |   |
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| **Wednesday** | **15 April** |  |
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| **Thursday** | **16 April** |  |
| 08:45-09:30 | **Y3C4 THEORETICAL EXAM** |   |
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| **Friday** | **17 April** |  |
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