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| **TıpF-2**  **MARMARA UNIVERSITY SCHOOL of MEDICINE** | | | |
| **26.jpg**  GROWTH, DEVELOPMENT, MENTAL HEALTH AND RELATED DISORDERS  YEAR 3 COURSE 4  March 07– April 22, 2022 | | | |
| **Coordinator of the Course 3.4**  Lect. Zehra Nur TURGAN AŞIK | | **Coordinator of the Module 3.4**  Prof. Pemra CÖBEK 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 CÖBEK ÜNALAN  Prof. Serap ÇİFÇİLİ | |
| **Coordinator of Multidisciplinary Students’ Lab**.  Prof. Betül YILMAZ | | **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**  Prof. Hasan R. YANANLI | | **Students’ Affairs**  Assist. Prof. Can ERZİK |
| **Chief Coordinator (Pre-Clinical Education)**  Prof. Serap ŞİRVANCI | | **Coordinator of Medical Education Program Evaluation and Development Commission**  Prof. Harika ALPAY | |
| **Vice Dean (Education)**  Assoc. Prof. Ahmet Altuğ ÇİNÇİN  Prof. Hasan R. YANANLI | | **Dean**  Prof. Ümit Süleyman ŞEHİRLİ | |

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

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| 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. | | |
| **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-3.4 & MODULE-3.4 | | |
| * Anatomy * Biochemistry * Child and Adolescent Psychiatry * Child Health & Diseases * Family Medicine * Histology and Embryology * Internal Medicine * Nutrition and Dietetics * Pathology * Pediatrics | * Pharmacology * Physiology * Psychiatry * Medical Education * Medical Genetics * Nuclear Medicine * Public Health * Radiology | |

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| LECTURERS / TUTORS | |
| Rengin Asiye AHISKALI, Professor of Pathology  Dilek AKAKIN, Professor of Histology  Yıldız AKVARDAR, Professor of Psychiatry  Çiğdem APAYDIN KAYA, Assoc. Professor of Family Medicine  Ahmet ARMAN, Professor of Medical Genetics  Nadiye Pınar AY, Professor of Public Health  Pelin BAĞCI, Professor of Pathology  Aliye Tuğba BAHADIR, Assist. Professor of Child and Adolescent Psychiatry  Abdullah BEREKET, Professor of Child Health & Diseases  Onur BUĞDAYCI, Assist. Professor of Radiology  Zeliha Leyla CİNEL, Professor of Pathology  Saliha Serap ÇİFÇİLİ, Professor of Family Medicine  Huriye Nursel ELÇİOĞLU, Professor of Pediatrics  Tanju Yusuf ERDİL, Professor of Nuclear Medicine  Serhat ERGÜN, , Assist. Professor of Psychiatry  Bilgen Bilge GEÇKİNLİ, Assoc. Professor of Medical Genetics  Dilek GOGAS YAVUZ, Professor of Internal Medicine  Zafer GÖREN, Professor of Pharmacology  Hülya GÖZÜ, Professor of Internal Medicine  Ahmet İlter GÜNEY, Assoc. Professor of Medical Genetics  Goncagül HAKLAR, Professor of Biochemistry  Seyhan HIDIROĞLU, Assoc. Professor of Public Health  Özlem Tuğçe KAYA, Assoc. Professor of Histology  Hızır KURTEL, Professor of Physiology | Nimet Emel LÜLECİ, Professor of Public Health  Filiz ONAT, Professor of Pharmacology  Ayşe Nilüfer ÖZAYDIN, Assoc. Professor of Public Health  Necmettin Ömer ÖZDOĞMUŞ, Assoc. Professor of Anatomy  Neşe PERDAHLI FİŞ, Professor of Child and Adolescent Psychiatry  Ayşe RODOPMAN ARMAN, Professor of Child and Adolescent Psychiatry  Osman Talat SABUNCUOĞLU, Professor of Child and Adolescent Psychiatry  Dilşad SAVE, Professor of Public Health  Mustafa Kemal SAYAR, Professor of Psychiatry  Mehmet Ali SÖYLEMEZ, Instructor in Medical Genetics  Erdi SÖZEN, Assist. Professor of Biochemistry  Önder ŞİRİKÇİ, Professor of Biochemistry  Serap ŞİRVANCI, Professor of Histology  Özlem ÜSTAY, Assoc. Professor of Internal Medicine  Ayşe Gülsen TEKER, Assist. Professor of Public Health  Ahmet TOPUZOĞLU, Professor of Public Health  Zehra Nur TURGAN AŞIK, Lecturer in Pharmacology  Axel WÜRZ, Assist. Professor of Psychiatry  Ahmet Suha YALÇIN, Professor of Biochemistry  Hasan Raci YANANLI, Assoc. Professor of Pharmacology  Ömer YANARTAŞ, Lecturer in Psychiatry  Berrak YEGEN, Professor of Physiology  Alper YILDIRIM, Assoc. Professor of Physiology  Mesut YILDIZ, Assoc. Professor of Psychiatry |
| 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 (07 March - 11 March 2022)** | | |
| **Monday** | **07 March** |  |
| 08:40-09:30 | Introduction to the course | Dr Zehra Nur Turgan |
| 09:40-10:30 | Thyroid and parathyroid glands | Dr. Necmettin Ömer Özdoğmuş |
| 10:40-11:30 |  |  |
| 11:40-12:30 | Skeletal muscle and adipose tissue as endocrine organs | Dr. Hızır Kurtel |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Diabetes insipidus | Dr. Abdullah Bereket |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 | Elective course (ONLINE) |  |
| 18:40-19:30 | Elective course (ONLINE) |  |
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| **Tuesday** | **08 March** |  |
| 08:40-09:30 | Thyroid and parathyroids | Dr. Dilek Akakın |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Thyroid function | Dr. Hızır Kurtel |
| 11:40-12:30 | Thyroid function | Dr. Hızır Kurtel |
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| 13:40-14:30 | Development of endocrine organs | Dr. Dilek Akakın |
| 14:40-15:30 | Biosynthesis and metabolism of thyroid hormones | Dr. Goncagül Haklar |
| 15:40-16:30 | Biosynthesis and metabolism of thyroid hormones | Dr. Goncagül Haklar |
| 16:40-17:30 | Pituitary and pineal glands | Dr. Özlem Tuğçe Kaya |
| 17:40-18:30 |  |  |
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| **Wednesday** | **09 March** |  |
| 08:40-09:30 | Anatomy LAB: Thyroid and parathyroid glands-Group A | Anatomy Lab. |
| 09:40-10:30 | Anatomy LAB: Thyroid and parathyroid glands-Group B | Anatomy Lab. |
| 10:40-11:30 | Anatomy LAB: Thyroid and parathyroid glands-Group C | Anatomy Lab. |
| 11:40-12:30 | Anatomy LAB: Thyroid and parathyroid glands-Group D | Anatomy Lab. |
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| 13:40-14:30 | Biochemistry of hypothalamic and hypophysial hormones | Dr. Ahmet Suha Yalçın |
| 14:40-15:30 | Biochemistry of hypothalamic and hypophysial hormones | Dr. Ahmet Suha Yalçın |
| 15:40-16:30 | Hypothalamus and the growth hormone | Dr. Berrak Yegen |
| 16:40-17:30 | Hypothalamus and the growth hormone | Dr. Berrak Yegen |
| 17:40-18:30 |  |  |
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| **Thursday** | **10 March** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Friday** | **11 March** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Week-2 (14 March - 18 March 2022)** | | |
| **Monday** | **14 March** |  |
| 08:40-09:30 | Pathophysiology of diabetes mellitus (type 1 DM) | Dr. Abdullah Bereket |
| 09:40-10:30 | Acute complications of diabetes mellitus | Dr. Abdullah Bereket |
| 10:40-11:30 | Hyperthyroidism | Dr. Özlem Üstay |
| 11:40-12:30 | Hypothyroidism | Dr. Özlem Üstay |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 | Elective course (ONLINE) |  |
| 18:40-19:30 | Elective course (ONLINE) |  |
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| **Tuesday** | **15 March** |  |
| 08:40-09:30 | Growth monitoring and anthropometry | Dr. Abdullah Bereket |
| 09:40-10:30 | Growth and developmental problems | Dr. Abdullah Bereket |
| 10:40-11:30 | Disorders of hypothalamus and pituitary | Dr. Özlem Üstay |
| 11:40-12:30 | Disorders of hypothalamus and pituitary | Dr. Özlem Üstay |
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| 13:40-14:30 | Hyperparathyroidism | Dr. Dilek Gogas Yavuz |
| 14:40-15:30 | Hypoparathyroidism | Dr. Dilek Gogas Yavuz |
| 15:40-16:30 | Thyroiditis | Dr. Hülya Gözü |
| 16:40-17:30 | Thyroid function tests | Dr. Hülya Gözü |
| 17:40-18:30 |  |  |
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| **Wednesday** | **16 March** |  |
| 08:40-09:30 | Introduction to endocrine pharmacology | Dr. Rezzan Gülhan |
| 09:40-10:30 | Pathology of hypothalamus and pituitary | Dr. Pelin Bağcı |
| 10:40-11:30 |  |  |
| 11:40-12:30 | Endemic goiter | Dr. Nimet Emel Lüleci |
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| 13:40-14:30 | Classification and diagnosis of diabetes mellitus | Dr. Dilek Gogas Yavuz |
| 14:40-15:30 | Pathophysiology of diabetes mellitus (type II DM) | Dr. Dilek Gogas Yavuz |
| 15:40-16:30 | Pathology of thyroid and parathyroid diseases | Dr. Zeliha Leyla Cinel |
| 16:40-17:30 | Pathology of thyroid and parathyroid diseases | Dr. Zeliha Leyla Cinel |
| 17:40-18:30 |  |  |
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| **Thursday** | **17 March** |  |
| 08:40-09:30 | Chronic complications of diabetes mellitus | Dr. Hülya Gözü |
| 09:40-10:30 | Chronic complications of diabetes mellitus | Dr. Hülya Gözü |
| 10:40-11:30 | Genetic basis of diabetes mellitus | Dr. Mehmet Ali Söylemez |
| 11:40-12:30 | Treatment of diabetes mellitus | Dr. Özlem Üstay |
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| 13:40-14:30 | Pathology of endocrine pancreas | Dr. Rengin Asiye Ahıskalı |
| 14:40-15:30 | Pathology of endocrine pancreas | Dr. Rengin Asiye Ahıskalı |
| 15:40-16:30 | Adrenal glands | Dr. Özlem Tuğçe Kaya |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Friday** | **18 March** |  |
| 08:40-09:30 | Adrenal cortex hormones | Dr. Hızır Kurtel |
| 09:40-10:30 | Adrenal cortex hormones | Dr. Hızır Kurtel |
| 10:40-11:30 | Hormonal control of blood glucose | Dr. Hızır Kurtel |
| 11:40-12:30 | Hormonal control of blood glucose | Dr. Hızır Kurtel |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Adrenal medullary hormones | Dr. Alper Yıldırım |
| 15:40-16:30 | Pathology of adrenal cortex and medulla | Dr. Zeliha Leyla Cinel |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Week-3 (21 March - 25 March 2022)** | | |  |  |
| **Monday** | **21 March** |  |
| 08:40-09:30 | Goiter and thyroid cancers | Dr. Hülya Gözü |
| 09:40-10:30 | Endocrine hypertension | Dr. Hülya Gözü |
| 10:40-11:30 | Child abuse and neglect in child psychiatry perspective | Dr. Ayşe Rodopman Arman |
| 11:40-12:30 | Developmental psychopathology: Common child psychiatric disorders | Dr. Ayşe Rodopman Arman |
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| 13:40-14:30 | Psychosocial development | Dr. Aliye Tuğba Bahadır |
| 14:40-15:30 | Mental development and developmental disorders | Dr. Neşe Perdahlı Fiş |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 | Elective course (ONLINE) |  |
| 18:40-19:30 | Elective course (ONLINE) |  |
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| **Tuesday** | **22 March** |  |
| 08:40-09:30 | Endocrine function of pancreas | Dr. Goncagül Haklar |
| 09:40-10:30 | Endocrine function of pancreas | Dr. Goncagül Haklar |
| 10:40-11:30 | Clinical pharmacology of steroids | Dr. Mert Kaşkal |
| 11:40-12:30 | Clinical pharmacology of steroids | Dr. Mert Kaşkal |
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| 13:40-14:30 | Adrenal insufficiency | Dr. Dilek Gogas Yavuz |
| 14:40-15:30 | Cushing syndrome | Dr. Dilek Gogas Yavuz |
| 15:40-16:30 | Hereditary growth hormone deficiency | Dr. Ahmet Arman |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Wednesday** | **23 March** |  |
| 08:40-09:30 | Pathology LAB: Pathology of endocrine diseases-Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Pathology LAB: Pathology of endocrine diseases-Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Pathology LAB: Pathology of endocrine diseases-Group C | Multidisciplinary Lab. |
| 11:40-12:30 | Pathology LAB: Pathology of endocrine diseases-Group D | Multidisciplinary Lab. |
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| 13:40-14:30 | Introduction to child and adolescence psychiatry | Dr. Osman Talat Sabuncuoğlu |
| 14:40-15:30 | Growth, development and feeding in the infant and child | Dr. Nadiye Pınar Ay |
| 15:40-16:30 | Growth, development and feeding in the infant and child | Dr. Nadiye Pınar Ay |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **24 March** |  |
| 08:40-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 09:40-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 10:40-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 11:40-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
|  |  |  |
| 13:40-14:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 14:40-15:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 15:40-16:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 16:40-17:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| **Friday** | **25 March** |  |
| 08:40-09:30 | Pharmacotherapy of thyroid diseases | Dr. Rezzan Gülhan |
| 09:40-10:30 | Pharmacotherapy of disorders of calcium metabolism | Dr Zehra Nur Turgan Aşık |
| 10:40-11:30 | Catecholamines | Dr. Erdi Sözen |
| 11:40-12:30 | Catecholamines | Dr. Erdi Sözen |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Congenital anomalies in children | Dr. Huriye Nursel Elçioğlu |
| 15:40-16:30 | Congenital anomalies in children | Dr. Huriye Nursel Elçioğlu |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Week-4 (28 March - 01 April 2022)** | | |
| **Monday** | **28 March** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Signs and symptoms in psychiatry | Dr. Yıldız Akvardar |
| 10:40-11:30 | Signs and symptoms in psychiatry | Dr. Yıldız Akvardar |
| 11:40-12:30 | Body and psychiatry: Introduction to somatoform disorders | Dr. Mustafa Kemal Sayar |
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| 13:40-14:30 | Disorders of sexual differentiation | Dr. Abdullah Bereket |
| 14:40-15:30 | Congenital adrenal hyperplasia | Dr. Abdullah Bereket |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| 17:40-18:30 | Elective course (ONLINE) |  |
| 18:40-19:30 | Elective course (ONLINE) |  |
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| **Tuesday** | **29 March** |  |
| 08:40-09:30 | Mental disorders due to medical conditions | Dr. Ömer Yanartaş |
| 09:40-10:30 | Observation and communication techniques in psychiatry | Dr. Axel Würz |
| 10:40-11:30 | Observation and communication techniques in psychiatry | Dr. Axel Würz |
| 11:40-12:30 | Introduction to sexual disorders | Dr. Axel Würz |
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| 13:40-14:30 | Domestic violance | Dr. Ahmet Topuzoğlu |
| 14:40-15:30 | Mental health targets in Health 21 | Dr. Ahmet Topuzoğlu |
| 15:40-16:30 | Genetic disorders of thyroid and parathyroid glands | Dr. Ahmet İlter Güney |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Wednesday** | **30 March** |  |
| 08:40-09:30 | Hormonal regulation of bone metabolism | Dr. Alper Yıldırım |
| 09:40-10:30 | Hormonal regulation of bone metabolism | Dr. Alper Yıldırım |
| 10:40-11:30 | Puberty and pubertal disorders | Dr. Abdullah Bereket |
| 11:40-12:30 | Puberty and pubertal disorders | Dr. Abdullah Bereket |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | PBL-1 (ONLINE) |  |
| 16:40-17:30 | PBL-1 (ONLINE) |  |
| 17:40-18:30 | Radiology of endocrine diseases (ONLINE) | Dr. Onur Buğdaycı |
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| **Thursday** | **31 March** |  |
| 08:40-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 09:40-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 10:40-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 11:40-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| 13:40-14:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 14:40-15:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 15:40-16:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 16:40-17:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| **Friday** | **01 April** |  |
| 08:40-09:30 | Neurobiology of mental disorders I | Dr. Ayşe Sakallı Kanı |
| 09:40-10:30 | Neurobiology of mental disorders II | Dr. Ayşe Sakallı Kanı |
| 10:40-11:30 | Pharmacotherapy of depressive disorder | Dr. Zafer Gören |
| 11:40-12:30 | Pharmacotherapy of depressive disorder | Dr. Zafer Gören |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Study Time |  |
| 15:40-16:30 | PBL-2 (ONLINE) |  |
| 16:40-17:30 | PBL-2 (ONLINE) |  |
| 17:40-18:30 |  |  |
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| **Week-5 (04 April - 08 April 2022)** | | |
| **Monday** | **04 April** |  |
| 08:40-09:30 | Social and behavioral determinants of health and disease | Dr. Nadiye Pınar Ay |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Mood disorders I: Depression | Dr. Yıldız Akvardar |
| 11:40-12:30 | Mood disorders II: Bipolar disorder | Dr. Yıldız Akvardar |
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| 13:40-14:30 | Calcium and phosphate metabolism | Dr. Önder Şirikçi |
| 14:40-15:30 | Calcium and phosphate metabolism | Dr. Önder Şirikçi |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 | Elective course (ONLINE) |  |
| 18:40-19:30 | Elective course (ONLINE) |  |
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| **Tuesday** | **05 April** |  |
| 08:40-09:30 | Radioisotope imaging of thyroid diseases and iodine therapy in hyperthyroidism and thyroid cancer | Dr. Salih Özgüven |
| 09:40-10:30 | Schizophrenia and psychotic disorders | Dr. Mesut Yıldız |
| 10:40-11:30 | Schizophrenia and psychotic disorders | Dr. Mesut Yıldız |
| 11:40-12:30 | Pharmacotherapy of psychosis | Dr. Filiz Onat |
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| 13:40-14:30 | Social determinants of mental health and social psychiatry | Dr. Yıldız Akvardar |
| 14:40-15:30 | Alcohol and substance use disorders | Dr. Yıldız Akvardar |
| 15:40-16:30 | Alcohol and substance use disorders | Dr. Yıldız Akvardar |
| 16:40-17:30 | Primary prevention in elderly | Dr. Saliha Serap Çifçili |
| 17:40-18:30 |  |  |
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| **Wednesday** | **06 April** |  |
| 08:40-09:30 | Geriatric syndromes | Dr. Saliha Serap Çifçili |
| 09:40-10:30 | Geriatric syndromes | Dr. Saliha Serap Çifçili |
| 10:40-11:30 | Introduction to anxiety disorders II | Dr. Serhat Ergün |
| 11:40-12:30 | Introduction to anxiety disorders II | Dr. Serhat Ergün |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Study Time |  |
| 15:40-16:30 | PBL-3 (ONLINE) |  |
| 16:40-17:30 | PBL-3 (ONLINE) |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **07 April** |  |
| 08:40-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 09:40-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 10:40-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 11:40-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| 13:40-14:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 14:40-15:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 15:40-16:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 16:40-17:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| **Friday** | **08 April** |  |
| 08:40-09:30 | Pharmacotherapy of anxiety and sleep disorders | Dr. Zafer Gören |
| 09:40-10:30 | CASE: Adult patient with excessive sleepiness and fatigue | Dr. Çiğdem Apaydın Kaya |
| 10:40-11:30 | Healthy diet | Dr. Ayşe Gülsen Teker |
| 11:40-12:30 | Drug and substance addiction | Dr. Hasan Raci Yananlı |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Study Time |  |
| 15:40-16:30 | PBL-4 (ONLINE) |  |
| 16:40-17:30 | PBL-4 (ONLINE) |  |
| 17:40-18:30 |  |  |
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| **Week-6 (11 April – 15 April 2022)** | | |
| **Monday** | **11 April** |  |
| 08:40-09:30 | Assessment of community nutrition | Dr. Seyhan Hıdıroğlu |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Pharmacological therapies in psychiatry | Dr. Mesut Yıldız |
| 11:40-12:30 | Pharmacological therapies in psychiatry | Dr. Mesut Yıldız |
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| 13:40-14:30 | Biosynthesis and metabolism of steroid hormones | Dr. Erdi Sözen |
| 14:40-15:30 | Biosynthesis and metabolism of steroid hormones | Dr. Erdi Sözen |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 | Elective course (ONLINE) |  |
| 18:40-19:30 | Elective course (ONLINE) |  |
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| **Tuesday** | **12 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 | ICP-3: Panel (Online) |  |
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| 13:40-14:30 | Histology LAB: Endocrine organs- Group A |  |
| 14:40-15:30 | Histology LAB: Endocrine organs- Group A |  |
| 15:40-16:30 | Histology LAB: Endocrine organs- Group B |  |
| 16:40-17:30 | Histology LAB: Endocrine organs- Group B |  |
| 17:40-18:30 |  |  |
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| **Wednesday** | **13 April** |  |
| 08:40-09:30 | Nutrition in risk groups | Dr. Ayşe Gülsen Teker |
| 09:40-10:30 | Nutrition in risk groups | Dr. Ayşe Gülsen Teker |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 | Genetic basis of sexual differentiation | Dr. Bilgen Bilge Geçkinli |
| 14:40-15:30 | Health and illness | Dr. Dilşad Save |
| 15:40-16:30 | Demographic transition in the world and Turkey | Dr. Ayşe Nilüfer Özaydın |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **14 April** |  |
| 08:40-09:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 09:40-10:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 10:40-11:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 11:40-12:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| 13:40-14:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 14:40-15:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 15:40-16:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
| 16:40-17:30 | ICP-3: Basic Medical Practice-Clinical Skills-Students Research Activity-3 |  |
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| **Friday** | **15 April** |  |
| 08:40-09:30 | Histology LAB: Endocrine organs- Group C | Multidisciplinary Lab. |
| 09:40-10:30 | Histology LAB: Endocrine organs- Group C | Multidisciplinary Lab. |
| 10:40-11:30 | Histology LAB: Endocrine organs- Group D | Multidisciplinary Lab. |
| 11:40-12:30 | Histology LAB: Endocrine organs- Group D | Multidisciplinary Lab. |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Pharmacotherapy of diabetes mellitus | Dr. Filiz Onat-ONLINE |
| 15:40-16:30 | Pharmacotherapy of diabetes mellitus | Dr. Filiz Onat-ONLINE |
| 16:40-17:30 | Clinical pharmacology and toxicity of alcohol | Dr. Zafer Gören-ONLINE |
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| **Week-7 (18 April - 22 April 2022)** | | |
| **Monday** | **18 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 18:40-19:30 |  |  |
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| **Tuesday** | **19 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **20 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Thursday** | **21 April** |  |
| 08:40-09:30 | **Y3C4 THEORETICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |  |
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| **Friday** | **22 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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