

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

PEDIATRICS (Elective)

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PEDIATRICS (Elective)	ISM6014796	Yearly	0+40	0	2
Prerequisites Courses					
Recommended Elective Courses	none				
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Prof.Dr. Ayhan TAŞTEKİN				
Name of Lecturer(s)	Prof.Dr. Nalan KARABAYIR, Prof.Dr. Ayhan TAŞTEKİN				
Assistant(s)	Prof.Dr. Ayhan TAŞTEKİN, Dr.Öğr.Üye. Işık ODAMAN AL, Dr.Öğr.Üye. Nicel YILDIZ SİLAHLI, Prof.Dr. Önder YAVAŞCAN, Prof.Dr. Mehmet Sait DOĞAN, Prof.Dr. Zeynep ATAY, Prof.Dr. Kürşad AYDIN, Dr.Öğr.Üye. Leyla TELHAN, Dr.Öğr.Üye. Mustafa ÇİFTÇİ, Doç.Dr. Yöntem YAMAN, Prof.Dr. Yasemin TOPÇU, Dr.Öğr.Üye. Haşim GENCER, Doç.Dr. Mehmet GÜNDÜZ, Prof.Dr. Gökhan BAYSOY, Prof.Dr. Seniye Sema ANAK, Prof.Dr. Abdullah ERDEM, Dr.Öğr.Üye. Halil Suat AYYILDIZ, Prof.Dr. Volkan TUZCU, Prof.Dr. Celal AKDENİZ, Prof.Dr. Nalan KARABAYIR, Prof.Dr. Sedat OKTEM, Prof.Dr. İlke ÖZAHİ İPEK, Dr.Öğr.Üye. Gökmen Alpaslan TAŞKIN, Dr.Öğr.Üye. Semra GÜNDOĞDU ÜNLÜ, Dr.Öğr.Üye. Remzi ERKESİM, Prof.Dr. Gonca SANDAL, Doç.Dr. Sevgen TANIR BAŞARANOĞLU, Prof.Dr. Murat KANĖIN, Prof.Dr. Murat ELLİ, Prof.Dr. Servet Erdal ADAL, Prof.Dr. Yılmaz YOZGAT, Doç.Dr. Betül KILIÇ, Doç.Dr. Hayrettin TEMEL, Doç.Dr. Suna KILINÇ				
Aim	To make the distinction between sick and healthy children , To make monitorisation and preventive medicine practices in healthy children, to have enough knowledge and skills to diagnose and treat childhood disorders.				
Course Content	This course contains; Neonatal Resuscitation-1,2,Mechanical Birth Traumas,Perinatal Asphyxia,Respiratory Distress in the Neonate,Neonatal Sepsis,Neonatal Jaundice,Infant of Diabetic Mother,Intrauterine Infections,Prematurity and Intrauterine Growth Retardation,Neonatal Seizures,Acute Metabolic Disturbances in the Neonate,Vaccination Program-1,2,Healthy Child Monitoring,Protection from Accidents and Injuries,Child Abuse,Childhood Nutrition,Vitamin Requirements in Childhood,Poisoning,Malnutrition-1,2,Chronic Diarrhea,Constipation,Gastrointestinal Hemorrhage,Approach to Elevated Transaminases,Pediatric Chest X-Ray and Difference from adulthood,Disorders with skin rash-1,2,Pertussis, Diphtheria, Mumps,Antibiotics-1,2,Meningitis and Encephalitis in Childhood,Upper Respiratory System Infections,Brucellosis,Tetanus,Lower Respiratory Tract Infections,Staphylococcal Infections,Approach to Pediatric Patient with Fever and Recurrent Infections,Acute Diarrhea,Salmonella and Shigella Infections,Allergic Rhinitis, Atopic Dermatitis, Anaphylaxis-1,2,Chronic Lung Diseases in Childhood-1,2,Tuberculosis,Parasitosis,Asthma and Treatment,Approach to Wheezy Infant,Approach to Immundeficiency and Treatment,Antibody Deficiency and Combined Immune Deficiency,Phagocyte and Complement Deficiencies,Hypothyroidism,Hyperthyroidism,Diabetes Mellitus,Ketoacidosis,Hypoglycemia,Short Stature,Rachitism,Adrenal Diseases-1,2,Sexual Differentiation Disorders,Congenital Adrenal Hyperplasia,Normal , Early and Delayed Puberty-1,2,Inborn errors of Metabolism,Neonatal Screening,Parathyroid Diseases,Approach to Anemia in Childhood,Nutritional Anemias, (Iron deficiency Anemia, Megaloblastic Anemia),Congenital and Acquired Bone Marrow Failure and Autoimmune Hemolytic Anemia,Hemoglobinopathies (Thalassemia, Sickle Cell Anemia),Hematologic Findings in Systemic Diseases,Bleeding Disorders-1,2,Leukemias-1 (ALL),Leukemias-2 (AML and MDS),Oncologic Diseases in Childhood,Bone Marrow Transplantation,Febrile Neutropenia and Oncologic Emergencies,Acute Febrile and Afebrile Seizure,Epilepsy and Classification of Epileptic Syndromes,Neurodegenerative and Neurometabolic Diseases,Acute Unconsciousness,Motor Mental Retardation,Cerebral Palsy,Neurocutaneous Diseases,Neuromuscular Diseases,Cardiac Murmurs and Other Cardiac Sounds,Acute Rheumatic Fever,Myocarditis-Endocarditis-Pericarditis,Acyanotic Heart Disease-1,2,Arrhythmia-1,2,Cardiomyopathies,Cyanotic Heart Diseases-1,2,Syncope and Sudden Deaths,Acute Glomerulonephritis,Nephrotic Syndrome,Connective Tissue Diseases,SLE,Vasculitis and HUS,Fluid Electrolyte Acid Base Disorders-1,2,3,Urinary System Stones,Hypertension,Approach to a Critical Patient.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
			10, 13, 14, 16, 4, 9		
Teaching Methods	10: Discussion Method, 13: Case Study Method, 14: Self Study Method, 16: Question - Answer Technique, 4: Inquiry-Based Learning, 9: Lecture Method				
Assessment Methods					
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Neonatal Resuscitation-1,2				
2	Mechanical Birth Traumas				
3	Perinatal Asphyxia				
4	Respiratory Distress in the Neonate				
5	Neonatal Sepsis				
6	Neonatal Jaundice				
7	Infant of Diabetic Mother				
8	Intrauterine Infections				
9	Prematurity and Intrauterine Growth Retardation				
10	Neonatal Seizures				
11	Acute Metabolic Disturbances in the Neonate				
12	Vaccination Program-1,2				
13	Healthy Child Monitoring				
14	Protection from Accidents and Injuries				
15	Child Abuse				
16	Childhood Nutrition				
17	Vitamin Requirements in Childhood				
18	Poisoning				
19	Malnutrition-1,2				
20	Chronic Diarrhea				
21	Constipation				
22	Gastrointestinal Hemorrhage				

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

PEDIATRICS (Elective)

Syllabus

Lecture Schedule		
Sequence	Topics	Preliminary Preparation
23	Approach to Elevated Transaminases	
24	Pediatric Chest X-Ray and Difference from adulthood	
25	Disorders with skin rash-1,2	
26	Pertussis, Diphtheria, Mumps	
27	Antibiotics-1,2	
28	Meningitis and Encephalitis in Childhood	
29	Upper Respiratory System Infections	
30	Brucellosis	
31	Tetanus	
32	Lower Respiratory Tract Infections	
33	Staphylococcal Infections	
34	Approach to Pediatric Patient with Fever and Recurrent Infections	
35	Acute Diarrhea	
36	Salmonella and Shigella Infections	
37	Allergic Rhinitis, Atopic Dermatitis, Anaphylaxis-1,2	
38	Chronic Lung Diseases in Childhood-1,2	
39	Tuberculosis	
40	Parasitosis	
41	Asthma and Treatment	
42	Approach to Wheezy Infant	
43	Approach to Immunodeficiency and Treatment	
44	Antibody Deficiency and Combined Immune Deficiency	
45	Phagocyte and Complement Deficiencies	
46	Hypothyroidism	
47	Hyperthyroidism	
48	Diabetes Mellitus	
49	Ketoacidosis	
50	Hypoglycemia	
51	Short Stature	
52	Rachitism	
53	Adrenal Diseases-1,2	
54	Sexual Differentiation Disorders	
55	Congenital Adrenal Hyperplasia	
56	Normal , Early and Delayed Puberty-1,2	
57	Inborn errors of Metabolism	
58	Neonatal Screening	
59	Parathyroid Diseases	
60	Approach to Anemia in Childhood	
61	Nutritional Anemias, (Iron deficiency Anemia, Megaloblastic Anemia)	
62	Congenital and Acquired Bone Marrow Failure and Autoimmune Hemolytic Anemia	
63	Hemoglobinopathies (Thalassemia, Sickle Cell Anemia)	
64	Hematologic Findings in Systemic Diseases	
65	Bleeding Disorders-1,2	
66	Leukemias-1 (ALL)	
67	Leukemias-2 (AML and MDS)	
68	Oncologic Diseases in Childhood	
69	Bone Marrow Transplantation	
70	Febrile Neutropenia and Oncologic Emergencies	
71	Acute Febrile and Afebrile Seizure	
72	Epilepsy and Classification of Epileptic Syndromes	
73	Neurodegenerative and Neurometabolic Diseases	
74	Acute Unconsciousness	
75	Motor Mental Retardation	
76	Cerebral Palsy	
77	Neurocutaneous Diseases	
78	Neuromuscular Diseases	
79	Cardiac Murmurs and Other Cardiac Sounds	
80	Acute Rheumatic Fever	
81	Myocarditis-Endocarditis-Pericarditis	
82	Acyanotic Heart Disease-1,2	
83	Arrhythmia-1,2	

International School of Medicine / Medicine (English)
2023 - 2024 Academic Year
PEDIATRICS (Elective)
Syllabus

Lecture Schedule		
Sequence	Topics	Preliminary Preparation
84	Cardiomyopathies	
85	Cyanotic Heart Diseases-1,2	
86	Syncope and Sudden Deaths	
87	Acute Glomerulonephritis	
88	Nephrotic Syndrome	
89	Connective Tissue Diseases	
90	SLE	
91	Vasculitis and HUS	
92	Fluid Electrolyte Acid Base Disorders-1,2,3	
93	Urinary System Stones	
94	Hypertension	
95	Approach to a Critical Patient	
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

Resources
Nelson Textbook of Pediatrics Pedyatri 1-2, Prof. Dr. Olcay NEYZİ, Prof. Dr. Türkan ERTUĞRUL PowerPoint presentations .