

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

PEDIATRICS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PEDIATRICS	ISM4114654	Fall Semester	126+180	0	15
Prerequisites Courses					
Recommended Elective Courses	none				
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Practice				
Course Coordinator	Assoc.Prof. Nicel YILDIZ SİLAHLI				
Name of Lecturer(s)	Prof.Dr. Ayhan TAŞTEKİN, Assoc.Prof. Işık ODAMAN AL, Assoc.Prof. Nicel YILDIZ SİLAHLI, Prof.Dr. Önder YAVAŞCAN, Prof.Dr. Mehmet Sait DOĞAN, Prof.Dr. Zeynep ATAY, Prof.Dr. Kürşad AYDIN, Assist.Prof. Leyla TELHAN, Assist.Prof. Mustafa ÇİFTÇİ, Assoc.Prof. Yöntem YAMAN, Prof.Dr. Yasemin TOPÇU, Assist.Prof. Haşim GENCER, Assoc.Prof. Mehmet GÜNDÜZ, Prof.Dr. Gökhan BAYSOY, Prof.Dr. Seniye Sema ANAK, Prof.Dr. Abdullah ERDEM, Assist.Prof. Halil Suat AYYILDIZ, Prof.Dr. Volkan TUZCU, Prof.Dr. Celal AKDENİZ, Prof.Dr. Nalan KARABAYIR, Prof.Dr. Sedat OKTEM, Prof.Dr. İlke ÖZAHİ İPEK, Assist.Prof. Gökmen Alpaslan TAŞKIN, Assist.Prof. Semra GÜNDOĞDU ÜNLÜ, Assist.Prof. Remzi ERKESİM, Prof.Dr. Gonca SANDAL, Assoc.Prof. Sevgen TANIR BAŞARANOĞLU, Prof.Dr. Murat KANĞIN, Prof.Dr. Murat ELLİ, Prof.Dr. Servet Erdal ADAL, Prof.Dr. Yılmaz YOZGAT, Assoc.Prof. Betül KILIÇ, Assoc.Prof. Hayrettin TEMEL, Assoc.Prof. Suna KILINÇ				
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 KANĞIN, 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,Bruceellosis,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	
Determines the need for resuscitation in a newborn baby. Performs neonatal resuscitation. The patient can distinguish the newborn. Lists the causes of respiratory distress and explains emergency treatment. List the causes of jaundice. Counts birth traumas. Defines perinatal asphyxia, lists organ involvements, and explains emergency treatment. Lists the symptoms of neonatal sepsis and explains emergency treatment. Diabetic mother counts her baby's complications. Counts the factors of intrauterine infection and tells the distinguishing findings. Describes the types of neonatal convulsions and explains their emergency treatment. Lists the acute metabolic problems of the newborn and explains their emergency treatment. Defines premature and intrauterine growth retardation and lists their problems.			16, 9	A, D	
Teaching Methods	16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, D: Oral Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Neonatal Resuscitation-1,2	none			
2	Mechanical Birth Traumas	none			
3	Perinatal Asphyxia	none			
4	Respiratory Distress in the Neonate	none			
5	Neonatal Sepsis	none			
6	Neonatal Jaundice	none			
7	Infant of Diabetic Mother	none			
8	Intrauterine Infections	none			
9	Prematurity and Intrauterine Growth Retardation	none			
10	Neonatal Seizures	none			
11	Acute Metabolic Disturbances in the Neonate	none			
12	Vaccination Program-1,2	none			
13	Healthy Child Monitoring	none			

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Sequence	Topics	Preliminary Preparation
14	Protection from Accidents and Injuries	none
15	Child Abuse	none
16	Childhood Nutrition	none
17	Vitamin Requirements in Childhood	none
18	Poisoning	none
19	Malnutrition-1,2	none
20	Chronic Diarrhea	none
21	Constipation	none
22	Gastrointestinal Hemorrhage	none
23	Approach to Elevated Transaminases	none
24	Pediatric Chest X-Ray and Difference from adulthood	none
25	Disorders with skin rash-1,2	none
26	Pertussis, Diphtheria, Mumps	none
27	Antibiotics-1,2	none
28	Meningitis and Encephalitis in Childhood	none
29	Upper Respiratory System Infections	none
30	Brucellosis	none
31	Tetanus	none
32	Lower Respiratory Tract Infections	none
33	Staphylococcal Infections	none
34	Approach to Pediatric Patient with Fever and Recurrent Infections	none
35	Acute Diarrhea	none
36	Salmonella and Shigella Infections	none
37	Allergic Rhinitis, Atopic Dermatitis, Anaphylaxis-1,2	none
38	Chronic Lung Diseases in Childhood-1,2	none
39	Tuberculosis	none
40	Parasitosis	none
41	Asthma and Treatment	none
42	Approach to Wheezy Infant	none
43	Approach to Immundeficiency and Treatment	none
44	Antibody Deficiency and Combined Immune Deficiency	none
45	Phagocyte and Complement Deficiencies	none
46	Hypothyroidism	none
47	Hyperthyroidism	none
48	Diabetes Mellitus	none
49	Ketoacidosis	none
50	Hypoglycemia	none
51	Short Stature	none
52	Rachitism	none
53	Adrenal Diseases-1,2	none
54	Sexual Differentiation Disorders	none
55	Congenital Adrenal Hyperplasia	none
56	Normal , Early and Delayed Puberty-1,2	none
57	Inborn errors of Metabolism	none
58	Neonatal Screening	none
59	Parathyroid Diseases	none
60	Approach to Anemia in Childhood	none
61	Nutritional Anemias, (Iron deficiency Anemia, Megaloblastic Anemia)	none
62	Congenital and Acquired Bone Marrow Failure and Autoimmune Hemolytic Anemia	none
63	Hemoglobinopathies (Thalassemia, Sickle Cell Anemia)	none
64	Hematologic Findings in Systemic Diseases	none
65	Bleeding Disorders-1,2	none
66	Leukemias-1 (ALL)	none
67	Leukemias-2 (AML and MDS)	none
68	Oncologic Diseases in Childhood	none
69	Bone Marrow Transplantation	none
70	Febril Neutropenia and Oncologic Emergencies	none
71	Acute Febrile and Afebrile Seizure	none
72	Epilepsy and Classification of Epileptic Syndromes	none
73	Neurodegenerative and Neurometabolic Diseases	none
74	Acute Unconsciousness	none

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Sequenc e	Topics	Preliminary Preparation
75	Motor Mental Retardation	none
76	Cerebral Palcy	none
77	Neurocutaneous Diseases	none
78	Neuromuscular Diseases	none
79	Cardiac Murmurs and Other Cardiac Sounds	none
80	Acute Rheumatic Fever	none
81	Myocarditis-Endocarditis-Pericarditis	none
82	Acyanotic Heart Disease-1,2	none
83	Arrhythmia-1,2	none
84	Cardiomyopathies	none
85	Cyanotic Heart Diseases-1,2	none
86	Syncope and Sudden Deaths	none
87	Acute Glomerulonephritis	none
88	Nephrotic Syndrome	none
89	Connective Tissue Diseases	none
90	SLE	none
91	Vasculitis and HUS	none
92	Fluid Electrolyte Acid Base Disorders-1,2,3	none
93	Urinary System Stones	none
94	Hypertension	none
95	Approach to a Critical Patient	none
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

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