



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE  
PHASE 4  
ENGLISH MEDICINE PROGRAM**

**COURSE of PEDIATRICS**

**2022/2023 Academic Year**

**COURSE GUIDEBOOK**

# PREFACE

**Dear Students,**

Welcome to the Pediatrics course which is an important part of your education.

In this course program, which is going to continue for 10 week/weeks, we aim to give the basic education of the course program in all aspects of theoretical courses and practical applications. This guide describes what you will learn and perform during your course, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your course studies.

**Department of Pediatrics**

## GENERAL INFORMATION on COURSE

<b>Course Title</b>	: Pediatrics
<b>Main Department of Course</b>	: Medical Sciences
<b>Department Responsible for Course</b>	: Pediatrics
<b>Course Code</b>	: MED-4010
<b>Course Topic Code</b>	: MED4-
<b>Course Type</b>	: Required
<b>Duration of the Course</b>	: 10 weeks
<b>Teaching Method of the Course</b>	: Formal
<b>ECTS</b>	: 15
<b>Language</b>	: English
<b>Head of the department</b>	: Prof. Dr. Haşim Olgun
<b>Teaching Staff</b>	:

Teaching Staff	Subject area	Theoretical Course duration (Hours)
Prof. Dr. Haşim Olgun	Cardiology	
Prof. Dr. Can Naci Kocabaş	Allergy	
Prof. Dr. Nurcan Cengiz	Nephrology	
Prof. Dr. Fatih Mehmet Azık	Hematology	
Assoc. Prof. Dr Nilay Hakan	Newborn	
Assoc. Prof. Dr. Özkan İlhan	Newborn	
Assoc. Prof. Dr. Yaşar Topal	General Pediatrics	
Asist. Prof. Dr Sibel Tiryaki	Cardiology	
Asist. Prof. Dr Yasemin Çoban	Intensive care	
Asist. Prof. Dr Hatice Topal	General Pediatrics	
Asist. Prof. Dr Ulviye Kırılı	General Pediatrics	
Dr. Hülya Kayılıoğlu	Neurology	
Dr. Gülay Can Yılmaz	Endocrinology	

<b>Coordinator of the Department Education Program</b>	: Prof. Dr. Haşim Olgun
<b>Coordinator of the Course Education Program</b>	: Asist. Prof. Dr Sibel Tiryaki
<b>Coordinator of the Course Examinations</b>	: Assoc. Prof. Dr. Özkan İlhan
	Asist. Prof. Dr Ulviye Kırılı
<b>Coordinator of Course Assessment and Evaluation</b>	: Assoc. Prof. Dr. Özkan İlhan
	Asist. Prof. Dr Ulviye Kırılı

<b>e-Mail</b>	: <a href="mailto:sibelbozabali@mu.edu.tr">sibelbozabali@mu.edu.tr</a>
	<a href="mailto:ozkanilhan@mu.edu.tr">ozkanilhan@mu.edu.tr</a>
	<a href="mailto:ulviyekirli@mu.edu.tr">ulviyekirli@mu.edu.tr</a>

## TEACHING METHODS-TECHNIQUES

### 1. Theoretical lessons

### 2. Learning Centered Teaching

- a. Case-based discussion sessions
- b. Student case reports,
- c. Practical application at the bedside
- d. Practical application at the bedside in the outpatient clinic
- e. Article review hour
- f. Community based educational activities

### 3. Interactive teaching

## PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	The classroom determined by the Dean's Office will be notified to the course group representative.	Morphology Building ground floor classrooms
Inpatient bedside practice	Pediatric services, neonatal and general pediatric intensive care services	Hospital Building 2nd floor
Policlinic	Cardiology, Nephrology, Endocrinology and Metabolic Diseases, General Pediatrics, Nephrology, Allergy, Neurology, Hematology Polyclinics	
Case analysis	Classroom where theoretical lessons are held	
Problem-based teaching	Classroom where theoretical lessons are held	
Special audit applications	Angiography, hematological examinations	Places of the relevant departments in the Hospital Building
Community based educational activities	General Pediatrics Polyclinics	

## RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

## AIM(S) of the COURSE

<b>1</b>	In this course, it is aimed that students be able to recognize the healthy growth and development of children aged 0-18, and monitor healthy children (vaccination, nutrition, growth-development).
<b>2</b>	In this course, it is aimed that the students learn about the diseases seen in the childhood age group that are frequently encountered in our country, to have knowledge, and to be able to treat, follow up or refer these diseases at the level of general practitioners in the outpatient clinic and emergency room conditions. In addition, in this course, it is aimed that the students have knowledge about screening programs, preventive and preventive medicine practices in necessary diseases.

## OBJECTIVE(S) of the COURSE

1	To be able to evaluate the normal growth and development of a healthy child from newborn to the end of adolescence.
2	To be able to follow the nutrition and vaccination of the healthy child.
3	To be able to explain the screening programs, protective and preventive medicine practices related to pediatric diseases in our country and to be able to apply their knowledge when necessary.
4	To be able to obtain the history of children presenting in outpatient clinics and emergency services with disease complaints by establishing empathy and correct communication with the child and family.
5	To be able to perform systematic examinations of general and organ systems in pediatric patients in outpatient and emergency room conditions and to be able to evaluate the patient as a whole as a result of systemic physical examination.
6	To be able to plan the necessary laboratory and imaging tests in differential diagnosis and evaluate the results after determining the preliminary diagnosis by analyzing the history and physical examination findings in the outpatient clinic and emergency room conditions.
7	To be able to provide diagnosis, treatment, follow-up and emergency triage of patients in outpatient clinic and emergency room conditions at the level of general practitioners and to be able to inform the patient's family.
8	To be able to scan the medical literature to reach information, to be able to critically evaluate the sources and the information found, and to be able to integrate it with the existing knowledge.
9	To be able to consider the best interests of the child and ethical values at every stage regarding pediatric diseases while applying medical practice.

## INTENDED LEARNING OUTCOME(S)

<b>1</b>	Can evaluate the normal growth and development of a healthy child from newborn to the end of adolescence.
<b>2</b>	Can follow the nutrition and vaccination of the healthy child.
<b>3</b>	Can explain the screening programs, protective and preventive medicine practices related to pediatric diseases in our country and can apply their knowledge when necessary.
<b>4</b>	Can obtain the history of children presenting in outpatient clinics and emergency services with disease complaints by establishing empathy and correct communication with the child and family.
<b>5</b>	Can perform systematic examinations of general and organ systems in pediatric patients in outpatient and emergency room conditions and can evaluate the patient as a whole as a result of systemic physical examination.
<b>6</b>	Can plan the necessary laboratory and imaging tests in differential diagnosis and evaluate the results after determining the preliminary diagnosis by analyzing the history and physical examination findings in the outpatient clinic and emergency room conditions.
<b>7</b>	Can provide diagnosis, treatment, follow-up and emergency triage of patients in outpatient clinic and emergency room conditions at the level of general practitioners and can inform the patient's family.
<b>8</b>	Can scan the medical literature to reach information, can critically evaluate the sources and the information found, and can integrate it with the existing knowledge.
<b>9</b>	Can consider the best interests of the child and ethical values at every stage regarding pediatric diseases while applying medical practice.

# DUTIES AND RESPONSIBILITIES OF STUDENTS

## RESPONSIBILITIES

1. The training and education activities within the Course/Course blocks are carried out under the supervision of the instructor in charge of the course.
2. Before the clinical / outpatient applications, they introduce themselves as "Trainee Doctor" to the patient, give information and get permission from the patient, take the patient's medical history and perform a physical examination. They perform other medical procedures under the supervision of instructors.
3. The clothing of the trainee doctors in the working environment should be appropriate for the health worker.
4. Trainee doctors wear their ID cards visibly inside the hospital and in all educational environments.
5. Trainee doctors should wear a white doctor's coat inside the hospital.
6. They attend the theoretical and practical courses given by the instructors, as well as the applied trainings under the supervision of the instructors.
7. They attend visits during service working hours in line with the curriculum prepared by the department; They monitor all kinds of medical interventions for diagnosis and treatment in outpatient clinics, services and other diagnosis and treatment units, and perform the procedures in the practice list in accordance with the National Core Education Program / MSKU Extended Education Program at the specified level during course under the permission and supervision of the trainer.
8. In line with the program prepared by the department, they take the medical history of the patients given to them for educational purposes in the units, perform the physical examination, determine the preliminary diagnosis, make the interpretation and differential diagnosis of the case and present it to the lecturer.
9. They act in accordance with the principles and rules of medical professional ethics and deontology during practices.
10. They know the rights of patients and their relatives, acts respectfully to these rights and abides by the principle of confidentiality of patient information.



11. They do not share, use or accumulate for other purposes, information, documents and samples obtained from patients during training and practice studies with third parties, including patient relatives.
12. The patient should not inform the patient's relatives or third parties about the patient's medical condition and course without the knowledge and supervision of the instructors.
13. When they have serious information, observations and findings about patients that require changes in diagnosis and treatment, they immediately notify the relevant instructors.
14. They do not take the patient files out of the service.
15. They avoid behaviors that will harm patient safety and disrupt hospital hygiene.
16. During the course, they perform the tasks of preparing/presenting articles, preparing/presenting seminars, preparing/presenting interactive lessons, preparing/presenting cases and similar tasks.
17. All the work of the trainee students is for educational purposes only, and the trainee students cannot in any way be involved in the decisions, practices and records regarding the diagnosis, treatment, follow-up and medical care of the patients.
18. They know the patient rights regulation and the current health legislation and act accordingly.
19. During the course, it is important that the personal logbook is filled in carefully, signed and handed over to the responsible instructor at the end of the course.
20. They should be aware of the legislation of the Faculty of Medicine, including the Muğla Sıtkı Koçman University Faculty of Medicine Education-Training and Examination regulations, and act accordingly.
21. They act in accordance with the principles regarding attendance and other matters of Phase IV and V students in the MSKU Faculty of Medicine Education-Training and Examination Regulations.
22. As in all health institutions, they must comply with the rules, regulations and directives of the institution stated below.
  - ✓ Infection control rules
  - ✓ Rules on medical waste, household waste and recyclable waste
  - ✓ Radiation safety rules
  - ✓ Rules regarding employee health
  - ✓ Rules regarding patient safety

- ✓ Sample taking, sending, request writing, consent and similar rules
- ✓ Fire and safety precautions
- ✓ Ethical and deontological rules

**Please read:** MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties

#### **OTHER ISSUES:**

1. Course period is 10 weeks
2. Practical lessons are carried out according to the practical application calendar created by the instructor in charge of the course by dividing them into groups and conveyed to the representative of the course group.
3. In practical lessons; They receive training in an outpatient clinic, inpatient service or laboratory in order to observe or apply the practical use of theoretical courses. The place where these practice hours will be held and the preparation required from the students are announced to the group by the relevant lecturer.
4. During some of these practice hours, the patients in the ward are discussed, and for these hours, students are expected to prepare by evaluating the history, physical examination, laboratory evaluation and additional examinations of the ward patients.
5. During the course, students are expected to comply with the dress code and to have a white coat, stethoscope for examination or additional equipment with them during the bedside practice hours.
6. There is an obligation to continue during the course.
7. Students are expected to comply with practical and theoretical lesson hours and to be in classrooms and practice places (services or polyclinics) on time.
8. They are required to participate in practical applications with a white coat.
9. Students are expected to set an example for the society with their behaviors and attire.
10. In practical applications in the service and outpatient clinics, they are expected to avoid behaviors that will disrupt patient comfort and routine functioning, such as talking loudly and chatting.
11. The working order, practice groups and distribution during the course will be explained in the course introduction speech on the first day of the course.

Taking into account what is explained in the course introduction made by the responsible faculty member at the beginning of the course, as well as the course guide and the course schedule will facilitate the adaptation of the students to the course.

## RECOMMENDED RESOURCE(S)

### KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1. Pediatri ( 1.-2. Cilt ) Olcay Neyzi / 4.Baskı. Marka: Nobel Tıp Yayıncılık	
2. Nelson Textbook of Pediatrics (1, 2). (Eds) Robert M. Kliegman, MD, Bonita M.D. Stanton, Joseph St. Geme M.D, 20th Edition. 2017.	
3. Nelson Pediatriinin Temelleri. (Eds.) Karen J. Marc Dante ve Robert M. Kliegman. Çeviri baskı: Prof. Dr. Murat YURDAKÖK	

### ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. Uptodate	
2. Pubmed	
3. Pediatriinin Esasları. Prof.Dr.Tülay Erkan	
4. Çocuklarda Anemnezden Tanıya. Prof.Dr.Cengiz Yakıncı	
5. Çocuklarda Öykü Alma ve Fizik Muayene. Prof.Dr.Ergün Çil	

# ASSESSMENT and EVALUATION

## Assessment and Evaluation Methods in Course Evaluation Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes		Compulsory	
Course Logbook		Compulsory	
Multiple Choice Theoretical Test Exam	50 multiple choice theoretical questions		50%
Unstructured (Jury-Based) Classical Oral Examination	Theoretical knowledge exam under the direction of at least 2 lecturers		50%
<b>Total</b>			<b>100%</b>

## Availability of Course Logbook, Place of Course Report in Course Assessment and Evaluation Principles

For the right to take the written exam, the student must be evaluated as “adequate” from the criteria specified in the course report.

## Existence of Attendance Requirement and Its Place in Course Assessment-Evaluation Principles

It is stated at the beginning of the course that the student who is absent from the courses will not be taken to the written exam.

### **The Effect of the Assessment and Evaluation Methods to be Applied on the Success Status at the End of the Course**

In order to be successful in the course, it is required to get at least 60 points at each stage of the course exams. A student whose score is 59 and below in an assessment-evaluation technique is not allowed to participate in the other exam phase.

Multiple Choice Theoretical Test Exam  
Unstructured (Jury-Based) Classical Oral Examination

### **Assessment and Evaluation Methods in Resit Examination**

<b>Assessment and Evaluation Method</b>	<b>Explanation</b>	<b>Role in the End of Course Evaluation</b>	<b>% Value at the End of Course Evaluation</b>
<b>Multiple Choice Theoretical Test Exam</b>	50 multiple choice theoretical questions		50%
<b>Unstructured (Jury-Based) Classical Oral Examination</b>	Theoretical knowledge exam under the direction of at least 2 lecturers		50%
<b>Total</b>			<b>100%</b>

### **Assessment and Evaluation Methods in Single Course Resit Exam**

<b>Assessment and Evaluation Method</b>	<b>Explanation</b>	<b>Role in the End of Course Evaluation</b>	<b>% Value at the End of Course Evaluation</b>
<b>Multiple Choice Theoretical Test Exam</b>	50 multiple choice theoretical questions		50%
<b>Unstructured (Jury-Based) Classical Oral Examination</b>	Theoretical knowledge exam under the direction of at least 2 lecturers		50%
<b>Total</b>			<b>100%</b>

# COURSE LOGBOOK

**STUDENT'S NAME AND SURNAME :**

**STUDENT'S SCHOOL NO :**

**COURSE PERIOD :**

APPLICATION	TEACHING STAFF (SIGNATURE)				
DATE					
1.Taking anamnesis					
2.Patient Physical Examination					
3.Blood Pressure Measurement					
4.Peripheral smear staining and evaluation					
5.Arterial blood gas evaluation					
6.Ability to interpret OGTT and thyroid function tests					
7.Ability to use a microscope					
8.Measuring blood sugar with a strip					
9.Nasogastric tube insertion or observation					
10.Foley catheter insertion or observation					
11.Attaching and monitoring a pulse oximeter					

**DECISION:**      **PASS**                      **FAIL**

**Head of Department or Coordinator:**

**Date:**

**Signature:**

**Faculty of Medicine**  
**English Medicine Program**  
**Phase 4**  
**Pediatrics Course**  
**Competence Matrix**

Course	PO1	P02	PO3	PO4	PO5	P06	P07	P08	P09	PO10	PO11	PO12	PO13
Pediatrics	5	5	4	4	1	1	3	2	2	1	2	4	4

\* Completed according to the following program outcomes. (Score from 0 to 5.)

PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>



## TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESSMENT AND EVALUATION METHODS MATCHING
1.Can evaluate the normal growth and development of a healthy child from newborn to the end of adolescence.	V, CR, C, R, L	P-L, OE,TE
2.Can follow the nutrition and vaccination of the healthy child.	V, CR, C, L	P-L, OE,TE
3.Can explain the screening programs, protective and preventive medicine practices related to pediatric diseases in our country and can apply their knowledge when necessary.	V, CR, C, R, L	P-L, OE,TE
4.Can obtain the history of children presenting in outpatient clinics and emergency services with disease complaints by establishing empathy and correct communication with the child and family.	V, CR, C, R, L	P-L, OE,TE
5.Can perform systematic examinations of general and organ systems in pediatric patients in outpatient and emergency room conditions and can evaluate the patient as a whole as a result of systemic physical examination.	V, CR, C	P-L, OE,TE
6.Can plan the necessary laboratory and imaging tests in differential diagnosis and evaluate the results after determining the preliminary diagnosis by analyzing the history and physical examination findings in the outpatient clinic and emergency room conditions.	V, CR, C, R, L	P-L, OE,TE
7.Can provide diagnosis, treatment, follow-up and emergency triage of patients in outpatient clinic and emergency room conditions at the level of general practitioners and can inform the patient's family.	V, CR, C, R, L	P-L, OE,TE
8.Can scan the medical literature to reach information, can critically evaluate the sources and the information found, and can integrate it with the existing knowledge.	V, CR, C, R, L, Pr	P-L, OE,TE
9. Can consider the best interests of the child and ethical values at every stage regarding pediatric diseases while applying medical practice.	V, CR, C, R, L	P-L, OE,TE
<b>Abbreviations</b>  <b>Teaching Activity:</b> Visit (V), Case report (CR), Clinical picture discussion-Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr)  <b>Assessment Method:</b> Practical - Logbook (P-L), Oral exam (OE), Theoretical exam (TE)		

## INFORMATION AND MATCHING TABLE ON THE THEORETICAL AND PRACTICAL COURSES IN THE COURSE TO BE INCLUDED IN THE 2022- 2023 ACADEMIC YEAR COURSE PROGRAM

Lecture Code	Hour	Lecture Type	Lecture Subject	NCEP-020	Course Aim Matching	Course Learning Outcome Matching	Activity Assessment and	Vertical Integration	Horizontal Integration
TIP4-ÇSH001	2	T,P	Taking anamnesis in pediatrics		1, 2	4, 5, 6, 7			
TIP4-ÇSH002	1	T	Growth and development in children		1, 2	1			
TIP4-ÇSH003	1	T,P	Abdominal examination		1, 2	4, 5, 6, 7			
TIP4-ÇSH004	1	P	Bedside practice		1, 2	4, 5, 6, 7			
TIP4-ÇSH005	1	T	Congenital structural anomalies		1, 2	1, 3			
TIP4-ÇSH006	1	T	Birth traumas		1, 2	1, 3			
TIP4-ÇSH007	1	T,P	Head and Neck Examination		1, 2	4, 5, 6, 7			
TIP4-ÇSH008	1	T,P	History Taking in Pediatric Neurology		1, 2	4, 5, 6, 7			
TIP4-ÇSH009	1	T,P	Newborn examination		1, 2	1, 4, 5, 6, 7			
TIP4-ÇSH010	1	T,P	Respiratory system examination		1, 2	4, 5, 6, 7			
TIP4-ÇSH011	1	T,P	Interpretation of hematological parameters and peripheral smear in children		1, 2	4, 5, 6, 7			
TIP4-ÇSH012	1	T	General Approach to Anemias		1, 2	4, 5, 6, 7			
TIP4-ÇSH013	1	T	Atopic dermatitis		1, 2	4, 5, 6, 7			
TIP4-ÇSH014	1	T,P	Genitourinary system examination		1, 2	4, 5, 6, 7			
TIP4-ÇSH015	1	T,P	Cardiovascular system examination		1, 2	4, 5, 6, 7			
TIP4-ÇSH016	1	T	Urinary tract infections		1, 2	4, 5, 6, 7			
TIP4-ÇSH017	1	T	Hearing disorders		1, 2	4, 5, 6, 7			
TIP4-ÇSH018	1	T	Acute rheumatic fever		1, 2	4, 5, 6, 7			
TIP4-ÇSH019	1	T	Healthy child follow-up		1, 2	1, 2, 3			
TIP4-ÇSH020	1	T	Growth disorders		1, 2	1, 2, 3			
TIP4-ÇSH021	1	T	Sepsis and meningitis in the newborn		1, 2	4, 5, 6, 7			
TIP4-ÇSH022	1	T	Intrauterine infections		1, 2	4, 5, 6, 7			
TIP4-ÇSH023	1	T	Upper respiratory tract infections		1, 2	4, 5, 6, 7			
TIP4-ÇSH024	1	T	Prematurity + intrauterine growth retardation		1, 2	2-7			
TIP4-ÇSH025	1	T,P	Neurological examination in children		1, 2	4, 5, 6, 7			
TIP4-ÇSH026	1	T	Approach to the child with a seizure		1, 2	4, 5, 6, 7			
TIP4-ÇSH026	1	T	Iron deficiency anemia		1, 2	4, 5, 6, 7			
TIP4-ÇSH027	1	T	Hemoglobinopathies		1, 2	4, 5, 6, 7			
TIP4-ÇSH028	1	T	Urticaria-angioedema		1, 2	4, 5, 6, 7			
TIP4-ÇSH029	1	T	Anaphylaxis		1, 2	4, 5, 6, 7			
TIP4-ÇSH030	1	T	Normal puberty		1, 2	1			
TIP4-ÇSH031	1	T	Hypertension		1, 2	4, 5, 6, 7			
TIP4-ÇSH032	1	T	Chest pain		1, 2	4, 5, 6, 7			
TIP4-ÇSH033	1	T	Syncope		1, 2	4, 5, 6, 7			
TIP4-ÇSH034	1	T	Heart failure in children		1, 2	4, 5, 6, 7			
TIP4-ÇSH035	1	T	Puberty disorders and		1, 2	1, 4, 5, 6, 7			

			adolescent problems						
TIP4-ÇSH036	1	T	Avitaminosis and its treatment		1, 2	4, 5, 6, 7			
TIP4-ÇSH037	1	T	Neonatal jaundice and cholestasis		1, 2	4, 5, 6, 7			
TIP4-ÇSH038	1	T	Lower respiratory tract infections		1, 2	4, 5, 6, 7			
TIP4-ÇSH039	1	T	Common GI problems		1, 2	4, 5, 6, 7			
TIP4-ÇSH040	1	T	Approach to the pediatric patient in the emergency department		1, 2	4, 5, 6, 7			
TIP4-ÇSH041	1	T	Newborn resuscitation		1, 2	4, 5, 6, 7			
TIP4-ÇSH042	1	T	Immune and non-immune hemolytic anemias		1, 2	4, 5, 6, 7			
TIP4-ÇSH043	1	T	Idiopathic aplastic anemia		1, 2	4, 5, 6, 7			
TIP4-ÇSH044	1	T	Approach to the immunocompromised patient		1, 2	4, 5, 6, 7			
TIP4-ÇSH045	1	T	Humoral immunodeficiency		1, 2	4, 5, 6, 7			
TIP4-ÇSH046	1	T	Cellular immunodeficiency		1, 2	4, 5, 6, 7			
TIP4-ÇSH047	1	T	Endocarditis, pericarditis, pericardial effusion, tamponade		1, 2	4, 5, 6, 7			
TIP4-ÇSH048	1	T	Myocarditis, cardiomyopathies		1, 2	4, 5, 6, 7			
TIP4-ÇSH049	1	T	Breast milk and nutrition		1, 2	1, 2			
TIP4-ÇSH050	1	T	Obesity and metabolic syndrome		1, 2	4, 5, 6, 7			
TIP4-ÇSH051	2	T	Neonatal emergencies+ congenital metabolic disease+ intestinal obstruction in newborn		1, 2	4, 5, 6, 7			
TIP4-ÇSH052	1	T	Recognition and treatment of acute respiratory failure		1, 2	4, 5, 6, 7			
TIP4-ÇSH053	1	T	Tetanus-mumps-poliomyelitis		1, 2	4, 5, 6, 7			
TIP4-ÇSH054	1	T	Newborn scans		1, 2	2, 3			
TIP4-ÇSH055	1	T	Mental-motor development		1, 2	4, 5, 6, 7			
TIP4-ÇSH056	1	T	Approach to headache		1, 2	4, 5, 6, 7			
TIP4-ÇSH057	1	T	Febrile convulsion		1, 2	4, 5, 6, 7			
TIP4-ÇSH058	1	T	Congenital bone marrow failures		1, 2	4, 5, 6, 7			
TIP4-ÇSH059	1	T	Emergency in allergies		1, 2	4, 5, 6, 7			
TIP4-ÇSH060	1	T	Food allergy		1, 2	4, 5, 6, 7			
TIP4-ÇSH061	1	T	Drug allergy		1, 2	4, 5, 6, 7			
TIP4-ÇSH062	1	T	Kawasaki disease		1, 2	2-7			
TIP4-ÇSH063	1	T	General features of acyanotic heart diseases		1, 2	4, 5, 6, 7			
TIP4-ÇSH064	1	T	Hematuria		1, 2	4, 5, 6, 7			
TIP4-ÇSH065	1	T	Urinary system stone disease		1, 2	4, 5, 6, 7			
TIP4-ÇSH066	1	T	Shock		1, 2	4, 5, 6, 7			
TIP4-ÇSH067	1	T	Diabetes mellitus		1, 2	4, 5, 6, 7			
TIP4-ÇSH068	1	T	Vaccines		1, 2	2			
TIP4-ÇSH069	1	T	Diabetic mother baby		1, 2	4, 5, 6, 7			
TIP4-ÇSH070	1	T	Tuberculosis (Lung and extrapulmonary organ tbc)		1, 2	4, 5, 6, 7			
TIP4-ÇSH071	1	T	Basic life support		1, 2	4, 5, 6, 7			
TIP4-ÇSH072	1	T	Respiratory distress in newborn		1, 2	4, 5, 6, 7			
TIP4-ÇSH073	1	T	CNS infections		1, 2	4, 5, 6, 7			
TIP4-ÇSH074	1	T	Principles of blood transfusion in children		1, 2	4, 5, 6, 7			
TIP4-ÇSH075	1	T	Complications of blood and products transfusion		1, 2	4, 5, 6, 7			
TIP4-ÇSH076	1	T	Approach to the wheezing child		1, 2	4, 5, 6, 7			
TIP4-ÇSH077	1	T	Bronchial asthma		1, 2	4, 5, 6, 7			
TIP4-ÇSH078	1	T	Acute asthma attack		1, 2	4, 5, 6, 7			
TIP4-ÇSH079	1	T	Tubulopathies		1, 2	4, 5, 6, 7			
TIP4-ÇSH080	1	T	Acute kidney injury		1, 2	4, 5, 6, 7			
TIP4-ÇSH081	1	T	Heart valve diseases		1, 2	4, 5, 6, 7			

TIP4-ÇSH082	1	T	Congenital heart diseases with left-right shunt	1, 2	4, 5, 6, 7				
TIP4-ÇSH083	1	T	Cardiopulmonary arrest, resuscitation	1, 2	4, 5, 6, 7				
TIP4-ÇSH084	1	T	Ca metabolism and rickets	1, 2	4, 5, 6, 7				
TIP4-ÇSH085	1	T	Thyroid gland diseases	1, 2	4, 5, 6, 7				
TIP4-ÇSH086	1	T	Congenital hypothyroidism	1, 2	4, 5, 6, 7				
TIP4-ÇSH087	1	T	Acute gastroenteritis	1, 2	4, 5, 6, 7				
TIP4-ÇSH088	1	T	Fluid-electrolyte therapy and dehydration	1, 2	4, 5, 6, 7				
TIP4-ÇSH089	1	T	Metabolic problems of the newborn	1, 2	4, 5, 6, 7				
TIP4-ÇSH090	1	T	Hemorrhagic disease of the newborn	1, 2	4, 5, 6, 7				
TIP4-ÇSH091	1	T	Advanced life support (airway application)	1, 2	4, 5, 6, 7				
TIP4-ÇSH092	1	T	Advanced life support (cardioversion, defibrillation)	1, 2	4, 5, 6, 7				
TIP4-ÇSH093	1	T	Adrenal insufficiency	1, 2	4, 5, 6, 7				
TIP4-ÇSH094	1	T	Congenital adrenal hyperplasia	1, 2	4, 5, 6, 7				
TIP4-ÇSH095	1	T	Approach to gender developmental defects	1, 2	1, 4, 5, 6, 7				
TIP4-ÇSH096	1	T	Birth asphyxia - fetal distress	1, 2	4, 5, 6, 7				
TIP4-ÇSH097	1	T	Sepsis and septic shock	1, 2	4, 5, 6, 7				
TIP4-ÇSH098	1	T	Acid-base balance disorders	1, 2	4, 5, 6, 7				
TIP4-ÇSH099	1	T,P	Blood gas evaluation	1, 2	4, 5, 6, 7				
TIP4-ÇSH100	1	T	Approach to bleeding tendency	1, 2	4, 5, 6, 7				
TIP4-ÇSH101	1	T	Common hemostasis disorders	1, 2	4, 5, 6, 7				
TIP4-ÇSH102	1	T	Approach to lymphadenopathies	1, 2	4, 5, 6, 7				
TIP4-ÇSH103	1	T	Diagnosis in childhood cancers, Methods and differential diagnosis	1, 2	4, 5, 6, 7				
TIP4-ÇSH104	1	T	Nephritic syndrome	1, 2	4, 5, 6, 7				
TIP4-ÇSH105	1	T	General features of cyanotic congenital heart diseases	1, 2	4, 5, 6, 7				
TIP4-ÇSH106	1	T	Approach to the cyanotic patient/baby	1, 2	4, 5, 6, 7				
TIP4-ÇSH107	1	T	Congenital heart diseases with right-left shunt	1, 2	4, 5, 6, 7				
TIP4-ÇSH108	1	T	Malnutrition and its treatment	1, 2	4, 5, 6, 7				
TIP4-ÇSH109	1	T	Ca-P metabolism disorders	1, 2	4, 5, 6, 7				
TIP4-ÇSH110	1	T	Approach to rash diseases	1, 2	4, 5, 6, 7				
TIP4-ÇSH111	1	T	Poisoning in childhood	1, 2	4, 5, 6, 7				
TIP4-ÇSH112	1	T	Paracetamol poisoning, tricyclic antidepressant poisoning	1, 2	4, 5, 6, 7				
TIP4-ÇSH113	1	T	Chronic liver diseases	1, 2	4, 5, 6, 7				
TIP4-ÇSH114	1	T	Acute liver failure and hepatic coma	1, 2	4, 5, 6, 7				
TIP4-ÇSH115	1	T	Enuresis nocturna	1, 2	4, 5, 6, 7				
TIP4-ÇSH116	1	T	Recurrent lung diseases	1, 2	4, 5, 6, 7				
TIP4-ÇSH117	1	T	Cystic fibrosis	1, 2	4, 5, 6, 7				
TIP4-ÇSH118	1	T	Childhood leukemias	1, 2	4, 5, 6, 7				
TIP4-ÇSH119	1	T	Childhood lymphomas	1, 2	4, 5, 6, 7				
TIP4-ÇSH120	1	T	Diabetic ketoacidosis	1, 2	4, 5, 6, 7				
TIP4-ÇSH121	1	T	Water metabolism disorders	1, 2	4, 5, 6, 7				
TIP4-ÇSH122	1	T	Neuroblastoma	1, 2	4, 5, 6, 7				
TIP4-ÇSH123	1	T	Wilms tumor	1, 2	4, 5, 6, 7				
TIP4-ÇSH124	1	T,P	Pediatric ECG	1, 2	4, 5, 6, 7				
TIP4-ÇSH125	1	T	Dysrhythmias	1, 2	4, 5, 6, 7				
TIP4-ÇSH126	1	T	Chronic kidney disease	1, 2	4, 5, 6, 7				
TIP4-ÇSH127	1	T	Nephrotic syndrome	1, 2	4, 5, 6, 7				
TIP4-ÇSH128	1	T	Malabsorption syndromes	1, 2	4, 5, 6, 7				

