

COURSE INFORMATION					
Course Title	Code	Semester	Lecture+Practice+Labrotory Hour	Credits	ECTS
Pediatric Surgery (Clinical Clerkship)	MED509	Phase 5 / 9-10	23+21	3	3*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should completed Phase 1, 2, 3 and 4 year courses of medical faculty.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory
Course Coordinator	Şafak KARAÇAY, MD. Assoc. Prof
The instructors	Şafak KARAÇAY, MD. Assoc. Prof Levent Elemen, MD Prof. Sefa Sağ, MD Assist. Prof. Kaan Maşrabacı, MD
Assistants	Affiliated Training Hospital Lecturers
Goals	The course aims to equip the students with necessary knowledge, skills and attitudes to become familiar with the recognition, natural history, and general and specific treatment of those pediatric surgical conditions that one would expect to encounter in general medical practice in a community lacking the immediate availability of a pediatric surgeon.

Learning Outcomes	Program Learning Outcomes	Teaching Methods	Assessment Methods
<i>At the end of this clerkship, the student should be able to:</i>			
1. Explain the causes of acute abdomen in children	1.1.9., 1.1.6.	1,2,3	A,C
2. Assess and compare hernias and common surgical problems of inguinal region	1.1.2., 1.1.9.	1,2,3	A,C
3. Explain causes of rectal bleeding in children	1.1.6., 1.1.8.	1,2,3	A,C
4. List the common anorectal problems	1.1.3, 1.1.6.	1,2,3	A,C

5. Describe the approach to the constipated child	1.1.2., 1.1.6., 1.1.9.	1,2,3	A,C
6. List the causes of non-bilious and bilious vomiting in children	1.1.2., 1.1.3., 1.1.6.,	1,2,3	A,C
7. List and describe the abdominal masses and solid tumors in childhood	1.1.12., 1.1.3., 1.1.6.	1,2,3	A,C
8. Describe the common neonatal surgical conditions	1.1.2., 1.1.6., 1.1.9.,	1,2,3	A,C
9. Assess the general approach to trauma and the multiply injured child	1.1.12., 1.1.3., 1.1.6	1,2,3	A,C
10. List the prenatal diagnosed disease related to the pediatric general and urological conditions	1.1.9.	1,2,3	A,C
11. List common pediatric urological conditions	1.1.3., 1.1.6	1,2,3	A,C
12. Describe surgical aspects in urinary tract infections in childhood	1.1.2., 1.1.6., 1.1.9.	1,2,3	A,C
13. Explain surgical fluid and electrolyte hemostasis	1.1.9., 1.1.10.	1,2,3	A,C
14. Describe congenital anomalies of genito-urinary tract	1.1.2., 1.1.6., 1.1.9.	1,2,3	A,C
15. Refer to a specialist when necessary	1.1.9., 1.2.2.,	1,2,3	A,C

Teaching Methods: 1: Lecture, 2: Question-Answer, 3: Discussion

Assessment Methods: A: Testing C: Presentation

COURSE CONTENT

Week	Topics	Study Materials
1	Introductory Session (Introduction to Pediatric Surgery)	Materials for the course provided by the the instructor
1	Lecture Child and Surgery	Materials for the course provided by the instructor
1	Lecture Newborn as a Surgical Patient	Materials for the course provided by the instructor
1	Lecture Abdominal Wall Defects and Umbilical Pathologies	Materials for the course provided by the instructor
1	Lecture Fetal Surgery	Materials for the course provided by the instructor
1	Lecture Head and Neck Pathologies	Materials for the course provided by the instructor
1	Lecture Inguinal Pathologies of Children	Materials for the course provided by the instructor
1	Lecture Scrotal Pathologies of Children	Materials for the course provided by the instructor
1	Lecture Acute Abdomen in Children	Materials for the course provided by the instructor
1	Lecture Surgical Pathologies of Lungs, Pleura and Diaphragm	Materials for the course provided by the instructor
1	Lecture Burns in Children	Materials for the course provided by the instructor
1	Lecture Nonobstructive Pediatric Urological Pathologies	Materials for the course provided by the instructor
1	Lecture Trauma in Children	Materials for the course provided by the instructor
1	Lecture Obstructive Pediatric Urological Pathologies	Materials for the course provided by the instructor
2	Lecture GI Obstruction of Newborn	Materials for the course provided by the instructor
1	Lecture Caustic Ingestions and Foreign Body Ingestions in Children	Materials for the course provided by the instructor
1	Lecture Biliary Atresia and Obstructive Jaundice	Materials for the course provided by the instructor

2 Lecture Surgical GI Bleeding in Children	Materials for the course provided by the instructor
1 Lecture Hirschsprung's Disease and Constipation	Materials for the course provided by the instructor
2 Lecture Solid Tumors in Children	Materials for the course provided by the instructor
15 Lecture Clinical Training (Inpatient) and Ward Round	Materials for the course provided by the instructor
2 Lecture Program Evaluation Session	Materials for the course provided by the instructor

NCC 2014 – Essential Medical Procedures (National Core Curriculum)	Performance Level
General and symptom-based history taking	1
Abdominal physical examination	4
Consciousness assessment and psychiatric examination	3
Child and newborn examination	1
Digital rectal examination	4
Respiratory system examination	1
Urological examination	1
Starting IV line	1
Hand washing	4
Urinary catheterization	1
Administration of enema	1
Nasogastric catheterization	3
Superficial suturing and removal of sutures	1
Providing medical service in extraordinary situations	1

RECOMMENDED SOURCES	
Textbook	1-Pediatric Surgery Mark M. Ravitch 2- Çocuk Cerrahisi Ders Notları _A. Can Başaklar
Additional Resources	Lecture notes

ASSESSMENT		
Questions Types (Pencil-Paper Tests)	Proportion (in Pass/Fail Decision)	Questions Types (Pencil-Paper Tests)
Multiple Choice Questions	%60	Multiple Choice Questions
Total	%60	Total
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)	Other Assessment Methods and Tools
Evaluation of Student's Seminar (Without Checklist)	%40	Evaluation of Student's Seminar (Without Checklist)
	Total %40	Total
Pass/Fail Decision	Proportion (in Pass/Fail Decision)	Pass/Fail Decision
Pencil-Paper Tests	%60	Pencil-Paper Tests
Other Assessment Methods and Tools	%40	Other Assessment Methods and Tools
	Total %100	Total

MATERIAL SHARING	
Documents	Photocopy shareable.
Assignments	Not Shareable
Exams	Not shareable

COURSE CATEGORY	Expertise / Field Courses
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COURSE'S CONTRIBUTION TO PROGRAM						
	PODG.1. Basic Professional Competencies	Contribution				
	POD.1.1. Clinical Competencies	1	2	3	4	5
PO.1.1.1.	<i>values</i> preventive health services, <i>offers</i> primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, <i>provides</i> consultancy on these issues.					

PO.1.1.2.	employs a patient-centered approach in patient management.					X
PO.1.1.3.	recognizes most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.				X	
PO.1.1.4.	takes medical history from the applicant himself/herself or from the individual's companions.					
PO.1.1.5.	does general and focused physical and mental examination.				X	
PO.1.1.6.	interprets findings in medical history, physical and mental examination.				X	
PO.1.1.7.	employs diagnostic procedures that are used frequently at the primary health care level.		X			
PO.1.1.8.	selects tests that have evidence-based high efficacy at the primary health care level and interprets results.					
PO.1.1.9.	makes clinical decisions using evidence-based systematic data in health care service.		X			
PO.1.1.10.	performs medical interventional procedures that are used frequently at the primary health care level.					
PO.1.1.11.	manages healthy individuals and patients in the context of health care services.					
PO.1.1.12.	keeps medical records in health care provision and uses information systems to that aim.					X
POD.1.2. Competencies related to Communication						
PO.1.2.1.	throughout his/her career, communicates effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.			X		
PO.1.2.2.	collaborates as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.				X	
PO.1.2.3.	recognizes the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.				X	
PO.1.2.4.	communicates with all stakeholders taking into consideration the socio-cultural diversity.					X
POD.1.3. Competencies Related to Leadership and Management						
PO.1.3.1.	manages and leads within the health care team in primary health care organization.					
PO.1.3.2.	recognizes the principles of health management and health sector economy, models of organization and financing of health care services.					
PO.1.3.3.	recognizes the resources in the health care service, the principles for cost-effective use.					
POD.1.4. Competencies related to Health Advocacy						
PO.1.4.1.	recognizes the health status of the individual and the community and the factors affecting the health, implements the necessary measures to prevent effects of these factors on the health.					
PO.1.4.2.	recognizes and manages the health determinants including conditions that prevent access to health care.					
POD.1.5. Competencies related to Research						
PO.1.5.1.	develops, prepares and presents research projects					
POD.1.6. Competencies related to Health Education and Counseling						

PO.1.6.1.	<i>provides</i> consultancy services and <i>organizes</i> health education for the community to sustain and promote the health of individual and community.					
	PODG.2. Professional Values and Perspectives					
	POD.2.1. Competencies related to Law and Legal Regulations					
PO.2.1.1.	<i>performs</i> medical practices in accordance with the legal framework which regulates the primary health care service.					X
	POD.2.2. Competencies Related to Ethical Aspects of Medicine					
PO.2.2.1.	<i>recognizes</i> basic ethical principles completely, and <i>distinguishes</i> ethical and legal problems.					X
PO.2.2.2.	<i>pays importance to</i> the rights of patient, patient's relatives and physicians, and <i>provides</i> services in this context.					X
	POD.2.3. Competencies Related to Social and Behavioral Sciences					
PO.2.3.1.	<i>relates</i> historical, anthropological and philosophical evolution of medicine, with the current medical practice.					
PO.2.3.2.	<i>recognizes</i> the individual's behavior and attitudes and factors that determine the social dynamics of the community.					
	POD.2.4. Competencies Related to Social Awareness and Participation					
PO.2.4.1.	<i>leads</i> community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, <i>develops</i> projects directed towards health care services.					
	POD.2.5. Competencies Related to Professional Attitudes and Behaviors					
PO.2.5.1.	<i>displays</i> a patient-centered and holistic (biopsychosocial) approach to patients and their problems.					
PO.2.5.2.	<i>respects</i> patients, colleagues and all stakeholders in health care delivery.			X		
PO.2.5.3.	<i>displays</i> the proper behavior in case of disadvantaged groups and situations in the community.					
PO.2.5.4.	<i>takes</i> responsibility for the development of patient safety and healthcare quality.					
PO.2.5.5.	<i>evaluates</i> own performance as open to criticism, <i>realizes</i> the qualifications and limitations.					
	PODG.3. Professional Development and Self-Worth					
	PODG.3.1. Personal Development and Values					
PO.3.1.1.	<i>embraces</i> the importance of lifelong self-learning and <i>implements</i> .					
PO.3.1.2.	<i>embraces</i> the importance of updating knowledge and skills; <i>searches</i> current advancements and <i>improves</i> own knowledge and skills.					
PO.3.1.3.	<i>uses</i> English language at least at a level adequate to follow the international literature and to establish communication related to the profession.					
	POD.3.2. Competencies Related to Career Management					
PO.3.2.1.	<i>recognizes</i> and <i>investigates</i> postgraduate work domains and job opportunities.					
PO.3.2.2.	<i>recognizes</i> the application requirements to postgraduate work/job domains, and <i>distinguishes</i>					

	and plans any requirement for further training and work experience.					
PO.3.2.3.	prepares a resume, and recognizes job interview methods.					
	POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health					
PO.3.3.1.	implements the rules of healthy living.					
PO.3.3.2.	displays appropriate behavior specific to work under stressful conditions.					
PO.3.3.3.	uses self-motivation factors.					

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity/ day	Duration (Hour)	Total Workload (Hour)
Course Duration (2 weeks)	10	4.5	45
Hours for off-the-classroom study (Pre-study, practice, review/week)	10	3	30
Homework	-	-	-
Exam	2	2	4
Total Work Load			79
Total Work Load / 30 (h)			2.63
ECTS Credit of the Course			3