AREA-BASED CLINICAL APPROACH IN PEDIATRIC EMERGENCY COURSE

12-13 SEPTEMBER 2026, BEZMIALEM VAKIF UNIVERSITY, İSTANBUL / TÜRKİYE

Day 1. RED AREA

Time	Activity	Learning Objectives / Goals	Instructor
09:00 - 09:20	Opening Remarks and Course Introduction	Participants will gain an overview of the course structure, learning expectations, and area-based approach used in pediatric emergency care.	Başar Cander, M.D., Prof.
09:20 - 09:50	Pediatric CPR	Participants will learn the recognition and initial management of pediatric cardiopulmonary arrest using current resuscitation principles.	Serhat Örün, M.D., Assoc. Prof.
09:50 - 10:20	Respiratory Failure	Participants will identify signs of pediatric respiratory failure and understand timely emergency interventions.	Behçet Al, M.D., Prof.
10:20 - 10:50	Mechanical Ventilation	Core indications, initial ventilator settings, and practical considerations in pediatric emergency ventilation will be reviewed.	Başar Cander, M.D., Prof.
10:50 - 11:00	Question and Answer Session	Key learning points from the morning sessions will be reinforced through interactive discussion.	All instructors
11:00 - 11:10	**Coffee Break**		
11:10 - 11:30	Shock Management	Participants will learn early recognition of pediatric shock and appropriate fluid and vasoactive treatment strategies.	Arif Karagöz, M.D., Assoc. Prof.
11:30 - 11:50	Seizure Management	This session will focus on the emergency evaluation and treatment of seizures and status epilepticus in children.	Bilgehan Demir, M.D., Assoc. Prof.
11:50 - 12:10	Trauma Approach	Participants will review the systematic assessment and initial management of pediatric trauma patients.	Bahadır Taşlıdere, M.D., Assoc. Prof.
12:10 - 12:30	Question and Answer Session Interactive review of the red area topics and clinical decision points		All instructors
12:20 - 13:30	**Lunch Break**		

Practical Training (Group Rotation)

Time	Room 1 (CPR)	Room 2 (Airway)	Room 3 (Fluids and Procedures)	Room 4 (Integrated Simulation)
Learning Objectives and Goals	Hands-on pediatric CPR practice will reinforce compression quality, ventilation, teamwork, and rhythm-based interventions.	Participants will practice pediatric airway management techniques, including bag-mask ventilation and advanced airway basics.	Participants will apply fluid therapy principles and common emergency procedures in simulated pediatric critical care scenarios.	This station will integrate assessment, intervention, and team communication through case-based pediatric emergency simulations.
13:30 - 14:30	A	B	C	D
14:30 - 14:40	**Coffee Break**			
14:40 - 15:40	B	C	D	A
15:40 - 15:50	**Coffee Break**			
15:50 - 16:50	C	D	A	B
16:50 - 17:00	Question and Answer Session	All instructors		

Day 2. YELLOW AND GREEN AREAS

Time	Activity	Learning Objectives / Goals	Instructor
09:00 - 09:20	Electrolyte Disorders	Participants will recognize life-threatening electrolyte abnormalities in children and understand emergency treatment priorities.	Şeyma Çalışır, M.D.
09:20 - 09:40	Poisonings	This session will review the assessment and early management of common pediatric toxic exposures.	Ayşe Büşra Özcan, M.D.
09:40 - 10:00	Asthma Exacerbation	Participants will learn severity assessment and emergency treatment strategies for acute pediatric asthma attacks.	Jülide Gürbüz, M.D.
10:00 - 10:10	Question and Answer Session	Morning topics will be consolidated through discussion and practical clinical questions.	
10:10 - 10:20	**Coffee Break**		
10:20 - 10:40	Anaphylaxis	Participants will review rapid recognition and immediate management of pediatric anaphylaxis.	Turgut Dolanbay, M.D., Assoc. Prof.
10:40 - 11:00	Pneumonia	This session will focus on evaluation of pediatric pneumonia and emergency treatment planning.	Abdussamet Vural, M.D.Assoc. Prof.
11:00 - 11:20	Gastroenteritis	Participants will review dehydration assessment, rehydration strategies, and disposition decisions in children with gastroenteritis.	Sema Ayten, M.D.
11:20 - 11:30	Question and Answer Session	Interactive review of yellow area topics and common pitfalls.	
11:30 - 12:30	**Lunch Break**		
12:30 - 12:50	Febrile Child	Participants will learn a structured approach to the febrile child in the green area setting.	Fatma Çakmak, M.D. Assoc. Prof.
12:50 - 13:10	Rashes	This session will address common pediatric rashes and red flags requiring urgent evaluation.	Gamze Bozkuş, M.D.
13:10 - 13:30	Upper Respiratory Tract Infections	Participants will learn evidence-based emergency evaluation of common upper respiratory complaints in children.	Liliana Mehmetaj, M.D.
13:30 - 13:40	**Coffee Break**		
13:40 - 14:00	Discharge Criteria	Safe discharge planning, follow-up advice, and warning signs will be discussed.	Bilal Araç, M.D.
14:00 - 14:20	Burns	Participants will review initial assessment and emergency management of pediatric burns.	Bedia Gülen, M.D., Prof.
14:20 - 14:40	Hypoglycemia	Rapid recognition and treatment of pediatric hypoglycemia will be emphasized.	Tarık Ocak, M.D., Prof.

Practical Training (Group Rotation)

Time	Room 1 (Trauma)	Room 2 (E-FAST)	Room 3 (Case Discussion)	Room 4 (Integrated Simulation)
Learning Objectives and Goals	Participants will practice pediatric trauma assessment using a systematic emergency approach and prioritization of life-threatening injuries.	This station will teach focused bedside ultrasonography principles and E-FAST application in pediatric emergency settings.	Participants will strengthen clinical reasoning through structured discussion of common yellow and green area pediatric cases.	This station will integrate triage, diagnosis, treatment, and disposition decisions through scenario-based simulation.
14:50 - 15:50	A	B	C	D
15:50 - 16:00	**Coffee Break**			
16:00 - 16:50	B	C	D	A
16:50 - 17:00	Closing Ceremony	All instructors		