



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. |
| 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 Çalısır; 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. | Başar Cander, M.D., Prof. |
| 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. | Bahadır Taşlıdere, 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. | Başar Cander, M.D., Prof. |
| 12:50 - 13:10 | Rashes | This session will address common pediatric rashes and red flags requiring urgent evaluation. | Ayşe Büşra Özcan, M.D. |
| 13:10 - 13:30 | Upper Respiratory Tract Infections | Participants will learn evidence-based emergency evaluation of common upper respiratory complaints in children. | Başar Cander, M.D., Prof. |
| 13:30 - 13:40 | Coffee Break | | |
| 13:40 - 14:00 | Discharge Criteria | Safe discharge planning, follow-up advice, and warning signs will be discussed. | Başar Cander, M.D., Prof. |
| 14:00 - 14:20 | Burns | Participants will review initial assessment and emergency management of pediatric burns. | Başar Cander, M.D., Prof. |
| 14:20 - 14:40 | Hypoglycemia | Rapid recognition and treatment of pediatric hypoglycemia will be emphasized. | Başar Cander, 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 | | |