

Optional course for the Master of Medicine at USI

Title of the course	Pediatric Emergency Room
Brief description of the course	Simulated pediatric emergencies to reinforce the important concepts of a systematic approach to pediatric assessment, basic life support, treatment algorithms, effective resuscitation, and team dynamics. The goal of the course is to improve the quality of care provided to seriously ill or injured children, resulting in improved outcomes and to learn and to recognize common pediatric emergencies.
Teacher(s)	Primary teacher: Dr. med. Gianluca Gualco
Discipline	Primary Discipline: Pediatric Emergency Medicine
Learning objectives	<p>Pediatric Basic Life Support (PBLS) is a rescue procedure which has purpose of preventing the anoxic brain damage by promoting the return of spontaneous circulation and breathing in cases of cardiac arrest.</p> <ul style="list-style-type: none">- to know stages of resuscitation, sequence ABC- to use Defibrillator- to recognize and manage airway obstruction in Children- Clinical cases and approach in pediatric Emergency medicine (trauma, shock, airway obstruction management, procedural Skills)- Simulation Training
Topics treated	<ul style="list-style-type: none">- Pediatric Basic Life Support PBLS- High-quality Child CPR AED and Infant CPR- Recognition of patients who do and do not require immediate intervention- Recognition of cardiopulmonary arrest early and application of CPR within 10 seconds- Apply team dynamics- Management airway obstruction- Differentiation between compensated and decompensated (hypotensive) shock- Early interventions for the treatment of shock- Differentiation between unstable and stable patients- Post-cardiac arrest management- Simulation training- Trauma management- Clinical cases and approach in pediatric Emergency medicine
PROFILES	EPA 6.3, 6.4, 6.5, 6.7, 6.8, 6.9, 6b SSP 214, 191, 211
Teaching format	Group work, practical exercises

Structure of the course	1 st lesson: Pediatric Basic Life Support PBLS, Management airway obstruction, Simulation Training 2 nd lesson: Diagnosis and treatment of shock, Trauma management, Simulation Training 3 rd lesson: Clinical cases and approach in pediatric Emergency medicine, Simulation Training
Place of course	CeSi (simulation center)
Teaching language	English.
