



Fundamental Critical Care Support: Pediatrics Sample Agenda Option B

Modules to Complete Online Before Attending Course	
22 min	“Abusive” Trauma: Diagnosis and Management (optional)
14 min	Acute Kidney Injury (optional)
17 min	Acute Poisoning in Children (optional)
11 min	Invasive Medical Devices (optional)
19 min	Mechanical Ventilation (optional)
29 min	Oncologic and Hematologic Emergencies and Complications (optional)

DAY 1	
7:00 a.m. – 7:15 a.m.	Welcome, Course Announcements FCCS: Pediatrics Overview
7:15 a.m. – 7:45 a.m.	Assessment of the Critically Ill Child <u>Objectives:</u> <ul style="list-style-type: none"> Understand and use the knowledge of the unique anatomic and physiologic differences between pediatric and adult patients to identify critically ill children Apply the DIRECT—Detection, Intervention, Reassessment, Effective Communication, and Teamwork—methodology
7:45 a.m. – 8:30 a.m.	Airway Management <u>Objectives:</u> <ul style="list-style-type: none"> Identify unique anatomic and physiologic variables involved in the management of the pediatric airway Recognize the signs and symptoms of respiratory failure and indications for intubation
8:30 a.m. – 9:15 a.m.	Diagnosis and Management of the Child with Acute Upper and Lower Airway Disease <u>Objective:</u> Summarize the diagnosis, pathophysiology, and treatment of children with upper and lower airway disorders
9:15 a.m. – 10:00 a.m.	Skill Station: Mechanical Ventilation <u>Objectives:</u> <ul style="list-style-type: none"> Describe the indications for initiation of mechanical ventilation Modify the ventilator prescription in response to patient data Assemble the equipment necessary for NPPV Practice techniques of NPPV
10:00 a.m. – 10:15 a.m.	BREAK
10:15 a.m. – 11:00 a.m.	Pediatric Burn Injury (optional) <u>Objective:</u> <ul style="list-style-type: none"> Describe the management of the burned infant or child

11:00 a.m. – 11:45 a.m.	<p>Diagnosis and Management of Shock</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Define and recognize key shock categories • Outline initial management of shock
11:45 a.m. – 12:45 p.m.	LUNCH
12:45 p.m. – 1:15 p.m.	<p>Fluids, Electrolytes, and Metabolic Derangements</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Outline the basic concepts of maintenance of intravascular fluid homeostasis • Describe intravenous fluid management of the typical pediatric inpatient
1:15 p.m. – 1:45 p.m.	<p>Acute Infections (optional)</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Recognize severe, life-threatening infections • Initiate timely, goal-directed management
1:45 p.m. – 2:15 p.m.	<p>Neurologic Emergencies</p> <p><u>Objective:</u> Review the emergent neurologic assessment of the pediatric patient</p>
2:15 p.m. – 2:30 p.m.	BREAK
2:30 p.m. – 3:15 p.m.	<p>Traumatic Injuries in Children (optional)</p> <p><u>Objective:</u></p> <ul style="list-style-type: none"> • Identify key anatomic, physiologic, and mechanistic issues in trauma in childhood
3:15 p.m. – 4:00 p.m.	<p>Skill Station: Radiology and Invasive Devices</p> <p><u>Objective:</u></p> <ul style="list-style-type: none"> • Demonstrate the systematic approach to radiologic interpretation
4:00 p.m. – 4:15 p.m.	WRAP UP DAY 1

DAY 2	
7:30 a.m. – 7:45 a.m.	Welcome and Announcements
7:45 a.m. – 8:30 a.m.	<p>Management of the Child with Congenital Heart Disease (optional)</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Identify congenital cardiac defects in neonates who present with low cardiac output • Review initial management and diagnostic testing of a cyanotic infant • Summarize the most common arrhythmias
8:30 a.m. – 9:15 a.m.	<p>Pediatric Cardiac Arrest</p> <p><u>Objective:</u></p> <ul style="list-style-type: none"> • Assess and initiate high-quality, goal directed post-resuscitation care for infants and children following cardiac arrest
9:15 a.m. – 10:00 a.m.	<p>Skill Station: Cardiopulmonary Dysfunction</p> <p><u>Objective:</u></p> <ul style="list-style-type: none"> • Describe the management of children with cardiopulmonary deficiency, including the initial assessment and importance of rapid detection and intervention
10:00 a.m. – 10:15 a.m.	BREAK

10:15 p.m. – 10:45 p.m.	<p>Pediatric Emergency Preparedness (optional)</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Understand the unique features of the pediatric population that make them particularly vulnerable during disasters • Identify how limited resources during a disaster affect care for pediatric patients
10:45 p.m. – 11:30 p.m.	<p>Pediatric Transport (optional)</p> <p><u>Objective:</u></p> <ul style="list-style-type: none"> • Specify the information the referring institution should provide to the transport team and accepting hospital to facilitate stabilization, appropriate referral, and timely transfer
11:30 a.m. – 12:30 p.m.	LUNCH
12:30 p.m. – 1:15 p.m.	<p>Skill Station: Transport</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Use case-based scenario to discuss factors that influence team composition and mode of transport • Identify problems or complications that can occur during transport
1:15 p.m. – 1:45 p.m.	<p>Postoperative Management</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Discuss the effect of anesthesia on critically ill children during the postoperative period • Recognize and manage common postoperative complications
1:45 p.m. – 2:15 p.m.	<p>Sedation, Analgesia, and Neuromuscular Blockade</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Identify the indications, risk factors, and level of monitoring needed for pediatric patients undergoing procedural sedation • Describe the differences among mild, moderate, and deep sedation
2:15 p.m. – 2:30 p.m.	BREAK
2:30 p.m. – 3:15 p.m.	<p>Skill Station: Sedation</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Identify the indications, risk factors, and level of monitoring needed for pediatric patients undergoing procedural sedation • Describe the differences among mild, moderate, and deep sedation
3:15 p.m. – 3:45 p.m.	<p>Skill Station: Advanced Integration Scenario</p> <p><u>Objective:</u></p> <ul style="list-style-type: none"> • Demonstrate the DIRECT methodology to provide care to a complex patient case using the knowledge and skills obtained during the course
3:45 p.m. – 4:00 p.m.	WRAP UP DAY 2