

Course Curriculum



Abdomen/GI

Abdominal emergencies overview
Acute gastroenteritis
Appendicitis
Bilious vomiting
Constipation
Extra-abdominal causes of abdominal pain
Hirschsprung
Intussusception
Meckel's diverticulum
Necrotizing enterocolitis
Neonatal jaundice
Omphalitis
Pyloric stenosis



Cardiovascular

Acquired heart disease
Arrhythmias
Congenital heart disease
Pediatric chest pain and ECG
Pediatric ECG basics
Pediatric venous thromboembolism



Dermatology

Common Pediatric Rashes
Wound Care In Children

 **Endocrine Metabolic Nutrition**

Congenital adrenal hyperplasia
Dehydration
Diabetic ketoacidosis
Electrolyte emergencies
Inborn errors of metabolism
Metabolic emergencies

 **The Genitourinary and Renal Systems**

Female GU emergencies
Other GU emergencies
Penile emergencies
Testicular emergencies

 **Hematologic Oncology**

Anemia
Oncologic emergencies
Sickle cell crises

 **Immunologic**

Henoch Schonlein purpura
Kawasaki Disease



Infectious Diseases

Fever management
Fever myths, truths, and approach
Influenza
Measles
Meningitis and meningococemia
Necrotizing fasciitis
Neonatal fever
Otitis media
Pneumonia
Roseola
Sepsis
Strep pharyngitis
The red butt
The red eye
Urinary tract infections

Musculoskeletal

Orthopedic Injuries Part 1: Triplane injuries, Supracondylar fractures, and Radial head subluxations
Orthopedic Injuries Part 2: Forearm and elbow injuries, Ossification centers
Orthopedic Injuries Part 3: SCFE, Legg-Calve-Perthe, Toddler's fractures
Orthopedic Injuries Part 4: Osgood Schlatter and Sever's disease
Salter Harris





The Nervous System

Acute cerebellar ataxia
Acute disseminated encephalomyelitis
Altered mental status approach
Febrile Seizure
First-time seizure
Headache
Must know CNS emergencies
Neonatal seizures
Neurologic emergencies summary
Status epilepticus algorithm
Status epilepticus etiologies
Stroke
Transverse myelitis
Unusual CNS Emergencies Summary



Pain and Procedural Sedation

Analgesic devices
Analgesic medications
Procedural sedation
Procedural sedation approach and techniques



Psychiatry

Pediatric Psychiatric Emergencies



Special Topics

BRUE

Child Abuse - Cases

Child Abuse - Nonaccidental trauma

Child Abuse - Overview

CNS shunt complications

Foreign bodies - Acute asphyxia

Foreign bodies - Aural foreign bodies

Foreign bodies - Bronchoscopy

Foreign bodies - GI

Foreign bodies - Nasal

Gastrostomy tube complications

Inconsolable child - Chest and the crying infant

Inconsolable child - Colic

Inconsolable child - Extremities and the crying infant

Inconsolable child - GI and GU and the crying infant

Inconsolable child - Head and the crying infant

Inconsolable child - The crying infant algorithm

Inconsolable child - The crying infant overview

Pediatric chest and C-spine xray

Tracheostomy complications

Umbilical vein line

Thoracic Respiratory

Asthma exacerbation intubation and cardiac arrest

Asthma exacerbation medical management

Bag valve mask

Bronchiolitis

Croup

Jet ventilation and needle cricothyrotomy

Noninvasive positive pressure ventilation

Pediatric airway anatomy

Pediatric intubation and difficult airway algorithm



 **Toxicology**

Amanita phalloides overdose
Beta blocker overdose
Calcium channel blocker overdose
Camphor overdose
Ethylene glycol overdose
Lomotil overdose
Pediatric toxicology overview
Pediatric toxicology summary
Salicylate overdose (methyl salicylate)
Sulfonylurea overdose
Theophylline overdose
Tricyclic antidepressant overdose

 **Trauma and Critical Care**

Abdominal and orthopedic trauma
Burns
Cervical spine trauma
Chest trauma
Critically ill neonate summary
Head trauma
Neonatal emergencies overview
Neonatal resuscitation
Pediatric advanced life support
Pediatric trauma overview
Postpalatal trauma
Resuscitation principles
The blue baby

