

Introduction



Introduction

Introduction to Peds EM Bootcamp

The Practice of Pediatric EM

The Practice of Pediatric EM

Clinical Approach



Practical Approaches to Unique Pediatric Presentations

Practical Approach to the Crashing Neonate

Practical Approach to the Congenital Heart Baby

Practical Approach to Common Neonatal Complaints: Jaundice

Practical Approach to Common Neonatal Complaints: The Crying Infant

Practical Approach to Respiratory Distress

Practical Approach to Pediatric Trauma

Practical Approach to Pediatric Painful Limp

Practical Approach to Non-accidental Trauma (NAT)

Practical Approach to Pediatric Burns

Practical Approach to Pediatric Status Epilepticus

Practical Approach to Metabolic Kid

Practical Approach to Pediatric DKA



Disease-based Approach

Abdomen/GI

Deep Dive: Abdominal Pain

Deep Dive: Nausea, Vomiting, and Diarrhea

Abdominal Emergencies Overview

Appendicitis

Bilious Vomiting

Constipation

Foreign Bodies – GI

Gastronomy Tube Complications

Hirschsprung

Intussusception

Abdomen/GI (continued)

Meckel's Diverticulum
Necrotizing Enterocolitis
Neonatal Jaundice
Omphalitis
Pyloric Stenosis
Extra-abdominal Causes of Abdominal Pain

Cardiovascular

Pediatric Chest Pain and ECG
Pediatric ECG Basics
Arrhythmias
Acquired Heart Disease
Congenital Heart Disease
Pediatric Venous Thromboembolism
The Blue Baby

Dermatology

Common Pediatric Rashes

Ear, Nose, and Throat

Otitis Media
Aural Foreign Bodies
Nasal Foreign Bodies
Foreign Bodies - Acute asphyxia
Foreign Bodies - Bronchoscopy
Strep Pharyngitis
Mononucleosis

Endocrine Metabolic Nutrition

Diabetic Ketoacidosis
Metabolic Emergencies
Inborn Errors of Metabolism
Congenital Adrenal Hyperplasia
Dehydration
Electrolyte Emergencies

The Genitourinary and Renal Systems

Female GU Emergencies
Penile Emergencies
Testicular Emergencies
Other GU Emergencies

Hematologic Oncology

Oncologic Emergencies

Anemia

Sickle Cell Crises

Immunologic

Henoch Schonlein Purpura

Kawasaki Disease

Infectious Diseases

Pediatric Fever

Deep Dive: Fever Part 1

Deep Dive: Fever Part 2

Deep Dive: Fever Part 3

Influenza

Pneumonia

Deep Dive: Upper and Respiratory Tract Infections

Measles

Meningitis and Meningococemia

Necrotizing Fasciitis

The Red Butt

The Red Eye

Roseola

Sepsis

Urinary Tract Infections

Deep Dive: 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

Neonatal

Neonatal Emergencies: Overview

Neonatal Resuscitation

Neonatal Seizures

Critically Ill Neonate Summary

Neurology

Acute Cerebellar Ataxia
Acute Disseminated Encephalomyelitis
Altered Mental Status Approach
CNS Shunt Complications
First-time Seizure
Headache
Must Know CNS Emergencies
Neurologic Emergencies Summary
Stroke
Febrile Seizure
Status Epilepticus Etiologies
Transverse Myelitis
Unusual CNS Emergencies Summary

Psychiatry

Pediatric Psychiatric Emergencies

Thoracic Respiratory

Asthma Management
Asthma Exacerbation Intubation and Cardiac Arrest
Bronchiolitis
Deep Dive: Croup and Bronchiolitis
Noninvasive Positive Pressure Ventilation
Tracheostomy Complications

Trauma and Critical Care

Pediatric Trauma Overview
Pediatric Airway Anatomy
Bag Valve Mask
Pediatric Intubation and Difficult Airway Algorithm
Jet Ventilation and Needle Cricothyrotomy
Cervical Spine Trauma
Chest Trauma
Abdominal and Orthopedic Trauma
Head Trauma
Postpalatal Trauma
Deep Dive: Head Injury
Burns
Pediatric Advanced Life Support
Resuscitation Principles

Toxicology

Pediatric Toxicology Overview
Amanita Phalloides Overdose
Beta Blocker Overdose
Camphor Overdose
Ethylene Glycol Overdose
Lomotil Overdose
Salicylate Overdose (methyl salicylate)
Sulfonylurea Overdose
Tricyclic Antidepressant Overdose
Theophylline Overdose
Pediatric Toxicology Summary



Special Topics

BRUE
Child Abuse – Overview
Child Abuse – Cases
Child Abuse – Nonaccidental trauma
Inconsolable Child – The crying infant overview
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

Procedural Fundamentals



Intro to Procedures

Basic Approach to Pediatric Procedures



Anesthesia

Anatomical Nerve Blocks

Digital Nerve Blocks
Tips and Tricks
Dental: Anterior Superior Alveolar
Dental: Middle Superior Alveolar
Dental: Posterior Superior Alveolar
Dental: Gow-Gates

Anatomical Nerve Blocks (continued)

Dental: Supraperiosteal

Auricular/Ear

Infraorbital

Mental

Supraorbital

Procedural Sedation

Procedural Sedation

Procedural Sedation: Approach and Techniques

Analgesic Devices

Analgesic Medications



Genitourinary

Urine Catheterization



HEENT

Dental

Dental Fracture Repair

Dental Splinting

Ear

Foreign Body Removal: Ear

Nasal

Pediatric Epistaxis

Foreign Body Removal: Nose

Ophthalmology

Introduction to Ophthalmologic Procedures

Visual Acuity Exam

Ophthalmoscope Exam

Fluorescein Exam

Slit Lamp Exam

Retracting and Everting the Eyelid

Foreign Body Removal: Eye



Imaging

Pediatric Musculoskeletal Plain Films

CXR

Pediatric Chest and C-spine X-ray

Ultrasound

Ultrasound Transducer Basics
Gallbladder Ultrasound
Biliary: Abnormal Findings
Bladder Ultrasound (bladder volume)
Cardiac Ultrasound (SN)
Cardiac Ultrasound (SC)
Cardiac Ultrasound (PS)
Cardiac: Abnormal Findings
FAST: Ultrasound Image Optimization
FAST: Right Upper Quadrant
FAST: Left Upper Quadrant
FAST: Female Pelvis
FAST: Male Pelvis
FAST: Abnormal Findings
Right Kidney Ultrasound
Left Kidney Ultrasound
Renal: Abnormal Findings
Lung Ultrasound
Lung: Abnormal Findings
Abdominal Aorta Ultrasound (female)
IVC Ultrasound



Musculoskeletal

Joint Arthrocentesis

Arthrocentesis Tips & Tricks
Elbow Arthrocentesis
Knee Arthrocentesis
Wrist Arthrocentesis
Ankle Arthrocentesis
Shoulder Arthrocentesis

Joint Reduction

Shoulder
Elbow
Radial Head Subluxation “Nursemaid’s”
Digit
Hip
Knee

Joint Reduction (continued)

Patellar

Ankle

Splinting

Basic Wetting Techniques

Knee Immobilizer/Medial-Lateral Strut

Volar

Thumb Spica

Ulnar Gutter

Sugar-Tong Humerus/Double Sugar-Tong

Long Leg Posterior

Ankle Wraps and Semirigid Orthosis

U-Splint/Stirrup

Splinting Tips and Tricks

Short Leg Posterior

Finger Splints

Sugar-Tong Forearm

Long Arm Posterior

Ring Removal

String-Wrap Technique

String-Wrap Technique: Oxygen Mask Strap

Tungsten: Locking Pliers Technique

Ring Cutter: Electric/Dremel

Ring Cutter: Manual Cutting Disk



Neurology

Lumbar Puncture



Pediatric Airway Management

BVM, Artificial Airways

LMA, Bougie

Percutaneous Jet Ventilation

Endotracheal, RSI

Gastric Distention



Trauma and Critical Care

IO Access

IO Anatomy and Placement

IO Access: Tips and Tricks

IO Access: Removal

IV Access

Umbilical Vein Line



Wound Care in Children

Introduction

Wound Care in Children

Simple Wound Repair

Wounds That Shouldn't Be Closed

Wound Prep

Skin Adhesive Glue

Skin Tape

Staples

Scalp Lacerations

General Suturing Techniques/Instrument Tie

Selecting Suture Types

Simple Interrupted

Deep Dermal

Horizontal Mattress

Corner Stitch

Vertical Mattress

Elliptical Cut with Undermining

Dog Ear Correction

Figure 8 Stitch for Hemostasis

Suture Removal

Staple Removal

Soft Tissue

Skin Foreign Body Removal

Standard Incision and Drainage

Loop Drainage

Ingrown Nail Removal

Nail Bed Laceration

Paronychia

Felon

Subungual Hematoma