

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

Abdominal Emergencies Overview

Acute Gastroenteritis

Appendicitis

Bilious Vomiting

Deep Dive: Nausea, Vomiting, and Diarrhea

Constipation

Extra-abdominal Causes of Abdominal Pain

Deep Dive: Abdominal Pain

Foreign Bodies – GI

Gastronomy Tube Complications

Abdomen/GI (continued)

Hirschsprung

Intussusception

Meckel's Diverticulum

Necrotizing Enterocolitis

Neonatal Jaundice

Omphalitis

Pyloric Stenosis

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

Foreign Bodies - Acute asphyxia

Foreign Bodies - Bronchoscopy

Otitis Media

Deep Dive: Otitis Media

Strep Pharyngitis

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

Fever Management

Fever Myths, Truths, and Approach

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 Fever

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 Algorithm
Status Epilepticus Etiologies
Transverse Myelitis
Unusual CNS Emergencies Summary

Psychiatry

Pediatric Psychiatric Emergencies

Thoracic Respiratory

Asthma Exacerbation Medical Management
Deep Dive: Asthma
Asthma Exacerbation Intubation and Cardiac Arrest
Bronchiolitis
Croup
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

Trauma and Critical Care (continued)

Deep Dive: Head Injury

Burns

Pediatric Advanced Life Support

Resuscitation Principles

Toxicology

Pediatric Toxicology Overview

Amanita Phalloides Overdose

Beta Blocker Overdose

Calcium Channel 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



Anesthesia

Anatomical Nerve Blocks

Digital Nerve Blocks

Tips and Tricks

Dental: Anterior Superior Alveolar

Anatomical Nerve Blocks (continued)

Dental: Middle Superior Alveolar
Dental: Posterior Superior Alveolar
Dental: Gow-Gates
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

Aural Foreign Bodies
Foreign Body Removal: Ear

Nasal

Pediatric Epistaxis
Nasal Foreign Bodies
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

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

Joint Reduction (continued)

Radial Head Subluxation “Nursemaid’s”

Digit

Hip

Knee

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

Basics of Laceration Repair

Wounds That Shouldn't Be Closed

Wound Prep

Skin Adhesive Glue

Skin Tape

Staples

Scalp Lacerations

General Suturing Techniques/Instrument Tie

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

Standard Incision and Drainage

Loop Drainage

Ingrown Nail Removal

Paronychia

Felon

Subungual Hematoma