

Introduction



Introduction

Introduction to Adult EM Bootcamp

The Practice of Emergency Medicine



The Practice of Emergency Medicine

The Practice of EM

Medicolegal Issues in EM

The Art of Being An APP in the ED

Clinical Approach



Undifferentiated Symptom-based Approach

Abdominal Pain

Altered Mental Status

Arrhythmia Simplified: Bradycardia

Arrhythmia Simplified: Tachycardia

Chest Pain

Dizziness

Headache

Low Back Pain

Shock

Shortness of Breath

Syncope

Vaginal Bleeding and Pelvic Pain

Vomiting and Diarrhea



Disease-based Approach

Cardiovascular

Acute Coronary Syndrome

Acute Aortic Dissection

Non-traumatic Subarachnoid Hemorrhage

Acute CHF Exacerbation

Deep Venous Thrombosis

Elevated Blood Pressure, Asymptomatic

Dermatology

Approach to Rashes

Rash Emergencies

Contact Dermatitis

Wound Care

Tinea

Burns

Blisters

Bites and Infestations

Psoriasis

Eczema

Topical Steroids

Ear, Nose, and Throat

Dental Pain

Ear Pain

Epistaxis

Endocrine/Metabolic

End-stage Renal Disease: Common Issues

Hypoglycemia and Hyperglycemia

Potassium Abnormalities

Sodium Abnormalities

Gastrointestinal

Anorectal Complaints

GI Foreign Bodies

Biliary Complications

Small Bowel Obstruction

Appendicitis

Upper GI Bleed

Genitourinary

Kidney Stones

Testicular Pain

Hematologic/Immunologic

Oncologic Emergencies

Allergic Reactions

Anticoagulation Reversal

Anemia

Infectious Disorders

Bacterial Meningitis

Sexually Transmitted Infections

Skin and Soft Tissue Infections: Diabetic Foot Infections

Skin and Soft Tissue Infections: Flesh Eating Bacteria

Skin and Soft Tissue Infections: Cellulitis

Skin and Soft Tissue Infections: Abscesses

Skin and Soft Tissue Infections: Septic Arthritis

Skin and Soft Tissue Infections: Tetanus and Rabies Vaccination

Skin and Soft Tissue Infections: Animal and Human Bites

Skin Infections: Key Points

HIV/AIDS Basics

Sepsis

Pneumonia

Upper Respiratory Illness

Urinary Tract Infection

Neurology

Neuro Exam Review

Seizures

Stroke and TIA

Non-stroke Causes of Neuro Deficits

Spinal Cord Pathology

OB/GYN

Delivery in the Emergency Department

Reproductive-Age Females

Vaginal Bleeding in Pregnancy

Hyperemesis Gravidarum

Elevated Blood Pressure in the Pregnant Patient

Premature Rupture of Membranes

Fetal Monitoring

Ophthalmology

Approach to Eye Emergencies

Painful Red Eye

Eye Trauma

Acute Vision Loss

Everyday Bread and Butter

Psychiatry

Psychiatric Medical Clearance

Pulmonary

Asthma and COPD Exacerbation
Acute Pulmonary Embolism
Tuberculosis Evaluation
Mechanical Ventilation

Toxicology

Clinically Practical Toxicology

Trauma

Overview of Approach to Trauma
Head Trauma
Facial Trauma
Neck and Spine Trauma
Chest Trauma
Abdominal Trauma
Upper Extremity Injuries
Lower Extremity Injuries

Procedural Fundamentals



Airway

Basic Rapid Sequence Intubation
Surgical Cricothyrotomy
Percutaneous Cricothyrotomy
Difficult Intubations
Airway Management



Anesthesia

Procedural Sedation

Ultrasound-guided Regional Nerve Blocks

Supraclavicular Brachial Plexus
Infraclavicular Brachial Plexus
Interscalene Brachial Plexus
Upper Arm: Radial
Upper Arm: Median
Upper Arm: Ulnar
Forearm: Radial
Forearm: Median
Forearm: Ulnar
Tibial

Anatomical Nerve Blocks

Tips and Tricks

Supraorbital

Infraorbital

Mental

Auricular/Ear

Dental: Posterior Superior Alveolar

Dental: Anterior Superior Alveolar

Dental: Middle Superior Alveolar

Dental: Gow-Gates

Dental: Supraperiosteal

Digital



Cardiovascular

IO Access: Anatomy

IO Placement: Power Drill

IO Placement: Manual

IO Access: Removal

IO Access: Tips and Tricks

Sites for Central Venous Access Placement

Central Venous Access: Internal Jugular

Central Venous Access: Subclavian



ECG Interpretation

Basic ECG Interpretation

ECG Workshop

Common STEMI Patterns

Subtle-Ts

STEMI Equivalents

Pulmonary Embolism

STEMI Mimics (Part 1)

STEMI Mimics (Part 2)

STEMI Mimics (Part 3)

Syncope (Case 1)

Syncope (Case 2)

Syncope (Case 3)

Syncope (Case 4)



Gastrointestinal

Abdominal Paracentesis



HEENT

Dental

Dental Fracture Repair

Dental Splinting

Nasal

Epistaxis: Introduction

Anterior Epistaxis: Cautery

Anterior Epistaxis: Nasal Anesthesia & Anterior Nasal Examination

Anterior Epistaxis: Initial Steps, Topical Vasoconstrictor & External Compression

Anterior Epistaxis: Nasal Tampon

Anterior Epistaxis: Balloon Device

Posterior Epistaxis: Foley Balloon

Posterior Epistaxis: Balloon Device

Ophthalmology

Introduction to Ophthalmologic Procedures

Visual Acuity Exam

Foreign Body Removal

Ophthalmoscope Exam

Slit Lamp Exam

Fluorescein Exam

Retracting and Everting the Eyelid

Tonometry Exam



Lacerations

Wound Prep

Wounds That Shouldn't Be Closed

Non-suturing Techniques

Skin Adhesive Glue

Staples

Skin Tape

Suturing Techniques

Selecting Suture Types

General Suturing Techniques / Instrument Tie

Simple Interrupted

Vertical Mattress

Horizontal Mattress

Deep Dermal

Suturing Techniques (continued)

Elliptical Cut with Undermining
Dog Ear Correction
Corner Stitch
Figure 8 Stitch for Hemostasis

Suture Removal

Staple Removal



Musculoskeletal

Joint Arthrocentesis

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

Joint Reduction

Shoulder
Elbow
Digit
Ankle
Hip
Knee
Patellar

Ring Removal

String-Wrap Technique
String-Wrap Technique: Oxygen Mask Strap
Ring Cutter: Electric/Dremel
Ring Cutter: Manual Cutting Disk
Tungsten: Locking Pliers Technique

Splinting

Basic Wetting Techniques
Splinting Tips and Tricks
Finger Splints
Volar
Thumb Spica
Ulnar Gutter
Long Arm Posterior

Splinting (continued)

Sugar-Tong Forearm
Sugar-Tong Humerus / Double Sugar-Tong
Knee Immobilizer / Medial-Lateral Strut
Short Leg Posterior
Long Leg Posterior
U-Splint/Stirrup
Ankle Wraps and Semirigid Orthosis

X-Ray Interpretation

General Radiographic Principles
Cervical Spine
Shoulder
Humerus
Elbow
Forearm
Wrist
Hand
Lumbosacral and Thoracic Spine
Pelvis
Femur and Hip
Tibia and Fibula
Knee
Ankle
Foot



Neurology

Lumbar Puncture
Lumbar Puncture Anatomy



Pulmonary

Chest X-Ray Interpretation
Tube Thoracostomy
Needle Thoracostomy



Soft Tissue

Standard Incision and Drainage
Loop Drainage
Paronychia
Felon
Subungual Hematoma
Ingrown Nail Removal



Ultrasound

Ultrasound Transducer Basics

Biliary

Gallbladder Ultrasound

Abnormal Findings

Bladder Ultrasound (bladder volume)

Cardiac

Abnormal Findings

Ultrasound (SN)

Ultrasound (SC)

Ultrasound (PS)

FAST

Abnormal Findings

Ultrasound Image Optimization

Right Upper Quadrant

Left Upper Quadrant

Male Pelvis

Female Pelvis

Kidney

Right Kidney Ultrasound

Left Kidney Ultrasound

Renal: Abnormal Findings

Lung

Lung Ultrasound

Lung: Abnormal Findings

Vascular

Abdominal Aorta Ultrasound (female)

IVC Ultrasound