

## Course Curriculum

### Introduction to Adult EM Bootcamp

### 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

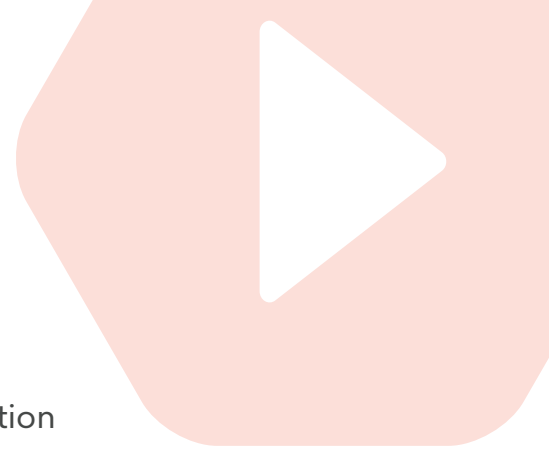
Everyday Bread and Butter

## **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 Equivalent  
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
- 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  
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

