3-Day Clinical Skills and Procedure Workshop + Ultrasound Schedule

Day 1 Morning



Introduction to Ultrasound

- · Ultrasound Physics
- · Probe functions and types
- · Methods of scanning (sliding, rocking, other movements and techniques)
- · Probe Settings (depth, "knobology")
- · Hand movements and dexterity



Abdominal Ultrasound

- · Aorta (all views, normal anatomy, pathology)
- Biliary Quadrant (gallbladder, stones, techniques)
- · Kidney (hydronephrosis, pyelonephritis)
- · Trans-abdominal Pelvis



Trauma Ultrasound

- · eFAST exam
- · Right upper quadrant imaging
- · Left upper quadrant imaging
- · Bladder Imaging
- · Cardiac Imaging
- · Lung Imaging



Free Scan with Live Models

· Small groups, team led with hands-on guidance and findings

Day 1 Afternoon



Specialty Ultrasound

- . Ocular Ultrasound (retinal detachment, foreign bodies)
- · Foreign body imaging
- · Ultrasound-Guided IV and Central access technique
- · Lower Extremity Vascular Ultrasound



Afternoon Free Scan

- . Small groups, team led with hands-on guidance and findings
- · Review and individual practice sessions with instructors
- · Additional ultrasound applications
- . Wrap-Up and Closing

Day 2 Morning



Cardiac Disorders

- · Course Introduction
- · Cardiac Overview
- EKG Interpretation
- · Acute MI (recognition, management)
- . Common Dysrhythmias
- · Electrolyte Abnormalities and rhythm impacts
- · Condition blocks
- . Bundle Branch Blocks
- · Application to practice



Pulmonary Disorders

- · Pulmonary Overview
- . Basic Airway Assessment
- · Pneumothorax
- Asthma Management
- · COPD Management
- · Supplemental Oxygenation
- · Wells Criteria
- · PERC Rule
- . Using D-Dimer
- · Pulmonary Embolism
- . Treatment of Pulmonary Embolism



Introduction to Radiology – Chest and Abdomen

- · Overview of Radiograph Interpretation
- · Chest, Shoulder, Clavicle Radiographs
- · Systemic Reading Process
- · Abnormal Radiographs
- · Radiographic Signs of Major Diseases
- · Suggested treatment guidelines based on findings
- · Radiographic Signs of High Impact Injuries
- · Foreign body ingestion, aspiration, and insertion
- · Pediatric foreign body aspiration and management

Day 2 Afternoon



Procedure Overview

- · Procedural Overview
- · Needle Decompression
- · Chest Tube Insertion
- · Tracheostomy Replacement
- · Shoulder Reduction and Immobilization
- · Upper Extremity Joint Aspiration
- · Trigger Point Injection
- · Nail Trephination
- · Nail Removal
- Foreign Body and Fish Hook Removal Introduction to Suture Techniques



The Suturing Course

- · Suture Clinic and Equipment Introduction
- · Knot Tying
- · Simple Interrupted
- · Simple Running
- · Mattress
- · Subcutaneous/Multiple Layer Closure
- · Staples
- · Skin Adhesive
- · Surgeon's Knot
- · Buried Knot
- . Billing and Documentation for Sutures
- · Local Injections and Digital Blocks



Procedure Workshop

- · Knee Injection and Aspiration
- · Shoulder Injection
- · Needle Decompression
- · Chest Tube Insertion

Day 3 Morning



Cervical Spine Injuries

- . Long Board and Collar Removal
- · NEXUS Criteria
- Unstable Fractures
- · Mechanisms of Common Fractures
- Immobilization
- · Ordering the Correct Studies
- . Correct Consult and Referral



Thoracic and Lumbar Spine Injuries

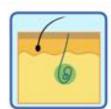
- · Spine form and function
- · Mechanisms of Injury
- Unstable Fractures
- · Mechanisms of Common Fractures
- · Cauda Equina Syndrome
- · Epidural Abscess
- · Ordering the Correct Studies
- · Correct Consult and Referral



Upper and Lower Extremity Injuries

- · Speaking Orthopedics
- . Common Patterns of Fractures
- Common Dislocation and Reduction Techniques
- · Splinting Techniques and Compartment Syndrome
- Clavicle, Shoulder, Humerus, Elbow, Radius. Ulna. Paired fractures, Wrist and Carpal Bones, Hand
- · Amputations
- . When to Consult Orthopedics
- . When to Consider Transfer/EMS
- · What to send home

Day 3 Afternoon



Skin Conditions Not to Miss

- · Skin and Soft Tissue Conditions
- · Emergent Rash Identification
- · Cellulitis
- · Abscess Incision and Drainage
- · DVT Identification and Decisions Rules
- . Burn Care and Referral Criteria
- · What Not to Send Home



Procedure Workshop

- · Procedure Clinic
- Lumbar Puncture
- · Splinting Workshop
- · Intraosseous Access
- · Central Venous Catheter Insertion