

RESIDENTS COMPREHENSIVE FRACTURE COURSE

**Wednesday - Friday,
October 7 - 9, 2015**

Kyle J Jeray, MD & Toni M McLaurin, MD,
Program Chairs

Course Description

The Residents Comprehensive Fracture Course will be presented in six (6) separate small group modules, with 22 - 24 residents and 5 experienced faculty educators per module.

The modules will have a rapid-fire series of mini-lectures, an extensive open case-based discussion, video demonstrations of techniques, and hands-on skills lab exercises. Modules will cover fundamental principles of fracture care distributed among six topics: articular, diaphyseal, foot & ankle, geriatrics, pediatrics, and pelvis/polytrauma/acetabulum, plus a lunch-time spine session.

This course offers pre-course educational on-demand video materials. Details will be sent with registration confirmation as well as an online basic science pre-test and an onsite clinical post test.

Target Audience

This course is targeted for PGY2 – PGY4's, others who feel they will benefit will not be excluded. Attendance is limited, so early registration is recommended.



Modules

Module One

Articular Fractures

Module Leaders: **Frank A Liporace, MD**
Timothy S Achor, MD

Topics

Distal Humerus

Anatomy/Approaches (incl. Osteotomy)
Reduction and Implant Techniques
Post-Operative Treatment
Total Elbow Arthroplasty

Elbow

Anatomy and Radiographs
Monteggia Fractures
Olecranon Fractures
Terrible Triad

Tibial Plateau

Fragment Specific Fixation
Medial/Posteromedial Fragment
Treatment Algorithms: Low Energy - High Energy
Classification
Lateral Articular Fragment

Supracondylar Femur

Anatomy
Implant Position and Surgical Techniques
ORIF - Intramedullary Nailing
Radiography

Case-Based Discussions

Intra-articular Distal Humerus Fracture	Monteggia Fracture
Olecranon Fracture	Terrible Triad
Intercondylar Femur Fracture	Lateral Plateau Fracture
Bicondylar Plateau Fracture	B3 Distal Femur Fracture

Hands-on Skills Labs

Olecranon Tension Banding and Plating	Tibial Plateau
Supracondylar Femur	

Module Two

Diaphyseal Fractures

Module Leaders: **Michael P Leslie, DO**
David B Weiss, MD

Lectures/Case-Based Discussions

Primary Bone Healing vs. Callus	Plating Mechanics
Intramedullary Nail Mechanics	Failed Fixation

Hands-on Skills Labs

Intramedullary Nailing Proximal Tibia Fracture
Lag Screw / Compression Plating Radius and Bridge Plating Ulna
(Open Reduction Internal Fixation Forearm Fracture)

Module Three

Foot and Ankle

Module Leaders: **S Andrew Sems, MD**
TBD

Topics

Ankle Fractures	Talus Fractures
Tibial Pilon Fractures	Calcaneus

Lectures/Case-Based Discussions

- Classic Maissonneuve Injury
- Trimalleolar with Displaced Posterior Malleolus
- Low Energy - Partial Articular Fracture
- High Energy - AO/OTA 43.C3 with Staged External/Internal Fixation
- Definitive Treatment with External Fixation
- Hawkins II Talar Neck Fracture
- Hawkins III Talar Neck Fracture with Involvement of Talar Body
- LisFranc
- Sanders II Joint Depression
- Sanders IV Fracture with Blood-filled Blisters in
60 Year Old Roofer who Smokes
- Mid-Foot/Tarso-Metatarsal
 - Divergent Lisfranc Injury*
 - Subtle Lisfranc Injury*
 - Multiple Displaced Metatarsal Shaft Fractures*

Hands-on Skills Labs/Videos

- Trimalleolar Ankle Fracture with Unstable Syndesmosis
- External Fixation of a Comminuted Pilon Fracture

Module Four

Geriatric

Module Leaders: **Charisse Y Sparks, MD**
Carla S Smith, MD

Lectures

Periprosthetic Fracture Management	Femoral Neck
Intertrochanteric Hip Fractures	Locked Plating Basics
Osteoporosis Evaluation and Management	

Case-Based Discussions

Femoral Neck	Intertrochanteric
Periprosthetic Femur Fractures	Distal Humerus
Distal Radius	Proximal Humerus

Surgical Video

- Proximal Humerus Fracture Locked Plating

Hands-on Skills Labs

Sliding Hip Screw	IM Hip Nail
Distal Radius	

Module Five

Pediatrics

Module Leaders: **Anthony I Riccio, MD**
R Lane Wimberly, MD

Lectures

- Unique Aspects of Children's Fractures
- Timing of Children's Fractures

Case-Based Discussions

- Distal Humerus
- Forearm
- Femur
- Intra-articular

Videos

- Forearm Fracture Reduction
- Spica Casting

Hands-on Skills Labs/Videos

- Closed Reduction and Percutaneous Pinning of
Supracondylar Humerus Fracture
- Flexible Elastic Nailing of Femoral Shaft Fracture

Presented in partnership with OTA and POSNA



Module Six

Polytrauma, Pelvis and Acetabulum

Module Leaders: **Marcus F Sciadini, MD**
Ryan P Finnan, MD
Raymond D Wright Jr, MD

Lectures

- Damage Control and Hemodynamic Stabilization
- Open Fractures
- Pelvic Ring Injuries – Stability and Reduction
- Stable LCI Type Injury - Nonoperative Principles
- Pelvic Radiographs & SI Screws
- Radiograph & Model Interpretation Session

Case-Based Discussions

Polytrauma Patient	Open Fractures
Vertical Shear or Unstable Pelvis	

Surgical Video

- Sheet Wrap / Pelvic Binder

Hands-on Skills Labs

- Supra-acetabular & Iliac Crest Pelvic Ex Fix
- Pubic Diastasis with Symphyseal Plate