RESIDENT COMPREHENSIVE FRACTURE COURSE

WEDNESDAY, OCTOBER 11
THURSDAY, OCTOBER 12
FRIDAY, OCTOBER 13
RESIDENT COMPREHENSIVE FRACTURE COURSE

MARCUS F. SCIADINI, MD / CARLA S. SMITH, MD
Program Chairs

WEDNESDAY, OCTOBER 11
THURSDAY, OCTOBER 12
FRIDAY, OCTOBER 13

COURSE DESCRIPTION
The Resident 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 and 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

LECTURES
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
Classification
Lateral Articular Fragment

Supracondylar Femur
ORIF - Intramedullary Nailing
Implant Position and Surgical Techniques
Anatomy
Radiography

CASE-BASED DISCUSSIONS
B3 Distal Femur Fracture
Bicondylar Tibial Plateau Fracture
Femoral Head Fracture
Intra-Articular Distal Humerus
Requiring Osteotomy
Intercondylar Femur Fracture

HANDS-ON SKILLS LAB
Olecranon Tension Band
Wiring

MODULE TWO
DIAPHYSEAL

LECTURES
Failed Fixation
Intramedullary Nail Mechanics
Plate Mechanics
Primary Bone Healing vs. Callus

HANDS-ON SKILLS LAB
Bridge Plating Ulna
Intramedullary Nailing
Open Reduction Internal
Fixation Forearm Fracture

MODULE THREE
FOOT AND ANKLE

LECTURES
Topics
Ankle Fractures
Tibial Pilon Fractures
Talus Fractures
Calcaneus

CASE-BASED DISCUSSIONS
Classic Maisonneuve Injury
Divergent Lisfranc Injury
Hawkins II Talar Neck Fracture
Hawkins II Talar Neck Fracture
with Involvement of Talar Body
High Energy AO/OTA 43C3
with Staged Treatment
Low Energy Partial Articular
Multiple Displaced Metatarsal
Shaft Fractures
Sanders II Joint Depression
with Soft Tissue Swelling
Sanders IV Fracture with Blood
Filled Blisters in 60 Year Old
Roofers Who Smokes
Trimalleolar Fracture
With DTFS Injury

HANDS-ON SKILLS LAB
Bridge Plating Ulna
Intramedullary Nailing
Proximal Third Tibia Fracture
Open Reduction Internal
Fixation Forearm Fracture

MODULE FOUR
GERIATRIC

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

CASE-BASED DISCUSSIONS
Distal Humerus
Distal Radius
Femoral Neck

HANDS-ON SKILLS LAB
Distal Radius (Volar Locking
Plate)
Femoral Neck Basics

MODULE FIVE
PEDIATRICS

LECTURES
Unique Aspects of Children’s Fractures
Timing of Children’s Fractures

CASE-BASED DISCUSSIONS
Pediatric BBFA Fractures
Pediatric Elbow Fractures
Femoral Fracture ESIN
SCH Fracture CRPP

HANDS-ON SKILLS LAB
Femur Fracture ESIN
SPICA Casting

MODULE SIX
POLYTRAUMA,
PELVIS, AND
ACETABULUM

LECTURES
Unique Aspects of Children’s Fractures
Timing of Children’s Fractures

CASE-BASED DISCUSSIONS
APC–2 Pelvic Injury
Open Fractures
Femoral Fracture ESIN
SCH Fracture CRPP

HANDS-ON SKILLS LAB
ORIF PSD
Pelvic Ex-Fix

VIDEOS
Circumferential Sheet Placement
for Pelvic Ring Injury