

FELLOWSHIP CURRICULUM

MONTHLY

Aug - Outcomes of Musculoskeletal Trauma, Delivery of Orthopaedic Trauma Care, Evaluation of the Polytrauma Patient and Management of the Polytrauma Patient and Damage Control Orthopaedic Care

Sept - Evaluation and Management of Soft-Tissue Injury and Open Fractures, The Mangled Lower Extremity, Amputations in Patients with Trauma, Acute Compartment Syndrome and Degloving Injuries in the Upper Extremities

Oct - Osteoporosis and Pathologic Bone, Biologic Adjuvants for Fracture Healing and Diagnosis and Management of Infection Associated with Fractures and Nonunions

Nov - Tibial Shaft Fractures, Ankle Fractures, Distal Tibial Pilon Fractures and Foot Fractures and Dislocations

Dec - Biomechanics of Fracture Healing, Nonunions and Malunions

Jan - Pelvic Fractures: Evaluation and Acute Management, Pelvic Fractures: Definitive Treatment and Outcomes, Evaluation and Management of Acetabular Fractures

Feb - Femoral Shaft Fractures, Fractures of the Distal Femur, Patella Fractures and Extensor Mechanism Injuries and Fractures of the Tibial Plateau

March - Career and Practice Management in Orthopaedic Trauma, Disaster and Mass Casualty Preparedness, Fractures of the Proximal Radius and Ulna, and Dislocations of the Elbow and Fractures of the Forearm and Distal Radius

April - Computer-Assisted Orthopaedic Trauma Surgery, Principles of Minimally Invasive Fracture Care, New Technologies in Orthopaedic Trauma and Deep Vein Thrombosis Prophylaxis in Fracture Patients

May - Hip Dislocations and Femoral Head Fractures, Femoral neck Fractures in the Younger Patient, Subtrochanteric Femoral Fractures, Femoral Neck Fractures in the Geriatric Population and Intertrochanteric Hip Fractures in the Geriatric Population

June - Fractures of the Clavicle and Scapula, Proximal Humerus Fracture, Humeral Shaft Fractures and Distal Humerus Fracture

July - Osteoporosis and Pathologic Bone, Perioperative and Postoperative Considerations in the Geriatric Patient, Management of Osteoporotic Fractures, Periprosthetic Fractures

FELLOWSHIP CURRICULUM

RESEARCH (QUARTERLY)

Fellow to meet with Research Director and other faculty members to review/discuss current orthopaedic research methodologies as highlighted below:

1st Quarter - Study Design, Power and Sample size calculation and How to Limit Bias in Experimental Research.

2nd Quarter - Evidence-Based Research, How to Prepare for a Period in Research and Use of Human and Animal Specimens in Biomechanical Testing

3rd Quarter - Functional Biomechanics with Cadaver Specimens, Principles of finite Elements Analysis and Animal Models for Bone Healing

4th Quarter - Musculoskeletal Dynamics, Measurement Techniques and Clinical Assessment of Function

FELLOWS RESEARCH TIMELINE

Fellow to meet with faculty to discuss potential topics of interest for project at the beginning of year.

Final topic selection no later than, August 31st

Completed draft submitted to Faculty for review and comments no later than, February 28th

Final edits for submission to be completed no later than, May 31st

Final submission no later than, June 30th