

30th Annual Baltimore Limb Deformity Post-Course

Art and Science of Distraction Osteogenesis

Sunday, August 30, 2020

(As of 03/04/2020)

Four Seasons Hotel
Baltimore, Maryland, USA



Course Chair

Philip McClure, MD

Course Directors

John Herzenberg, MD

Shawn Standard, MD

Invited Faculty and Lab Assistants

Michael Assayag, MD	Baltimore, Maryland
Alexander Cherkashin, MD	Dallas, Texas
Mark Eidelman, MD	Haifa, Israel
Vaida Glatt, PhD	San Antonio, Texas
Connor Green, MD	Dublin, Ireland
Christopher Iobst, MD	Columbus, Ohio
Joseph Stains, PhD	Baltimore, Maryland
Charles Taylor, MD	Memphis, Tennessee

Sunday, August 30, 2020

- 7:00–7:30 Registration and Breakfast *Cobalt Ballroom Pre-Function and Grand Ballroom Pre-Function, Level 2*
- 7:30–7:45 Welcome *Grand Ballroom, Level 2*
 Philip McClure, MD
- 7:45–8:05 Ring Components of Stability: Size, Full/Partial Rings, Ring Blocks, and Thickness
 Alexander Cherkashin, MD
- 8:05–8:25 Ilizarov versus Six-axis Stability
 Christopher Iobst, MD
- 8:25–8:45 Pin Factors: Divergence in the Axial Plane and in the Coronal/Sagittal Planes
 Connor Green, MD
- 8:45–9:05 Health Break and Visit with Corporate Partners *Grand Ballroom Pre-function*
- 9:05–9:25 Wire Factors: Safe Wire Placement, Reference Wire, Tension, Diameter, and Divergence *Grand Ballroom, Level 2*
 TBA
- 9:25–9:45 Frame Design Considerations: Angular Correction (Fixation Crowding), Lengthening (Soft-tissue Recruitment), Transport (Pin Pathways), and Fracture (Stiffness Considerations)
 Philip McClure, MD
- 9:45–10:00 History of Hexapods
 TBA
- 10:00–11:00 Hands-on Lab: Stable Tibial Frame (All Wires)
Facilitator: *TBA*
Lab Assistants:
Michael Assayag, MD Philip McClure, MD
Alexander Cherkashin, MD Joseph Stains, PhD
Connor Green, MD Shawn Standard, MD
John Herzenberg, MD Charles Taylor, MD
Christopher Iobst, MD
- 11:00–12:00 Hands-on Lab: Stable Tibial Frame (All Half-pins)
Facilitator: *TBA*
Lab Assistants:
Michael Assayag, MD Philip McClure, MD
Alexander Cherkashin, MD Joseph Stains, PhD
Connor Green, MD Shawn Standard, MD
John Herzenberg, MD Charles Taylor, MD
Christopher Iobst, MD

Sunday, August 30, 2020

12:00–1:00	<u>Luncheon</u>	
1:00–1:25	Basic Histology for Bone Pathology: Stains <i>TBA</i>	<i>Grand Ballroom, Level 2</i>
1:25–1:40	Biology of Fracture Healing: Histology <i>Vaida Glatt, PhD</i>	
1:40–2:05	Biology of Fracture Healing: Cell Signaling <i>Joseph Stains, PhD</i>	
2:05–2:20	Biology of Distraction Osteogenesis: Histology <i>Vaida Glatt, PhD</i>	
2:20–2:45	Biology of Distraction Osteogenesis: Cell Signaling <i>Joseph Stains, PhD</i>	
2:45–2:50	Discussion	
2:50–3:05	<u>Health Break and Visit with Corporate Partners</u>	<i>Grand Ballroom Pre-function</i>
3:05–3:15	Biomechanical Optimization of Regenerate: Rate/Rhythm and Reading Regenerate <i>John Herzenberg, MD</i>	<i>Grand Ballroom, Level 2</i>
3:15–3:25	Biomechanical Optimization of Regenerate: Reverse Dynamization <i>Vaida Glatt, PhD</i>	
3:25–3:30	Biomechanical Optimization of Regenerate: What I Do <i>Philip McClure, MD</i>	
3:30–3:50	Surgical Optimization/Rescue of the Regenerate <i>Michael Assayag, MD</i>	
3:50–4:10	Biological Optimization of the Regenerate <i>Philip McClure, MD</i>	
4:10–4:30	Biological Optimization of the Regenerate: What’s Out There <i>TBA</i>	
4:30	Adjourn	