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

*Philip McClure, MD*

Grand Ballroom, Level 2

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

*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

Alexander Cherkashin, MD

Connor Green, MD

John Herzenberg, MD

Christopher Iobst, MD

Philip McClure, MD

Joseph Stains, PhD

Shawn Standard, MD

Charles Taylor, MD

11:00–12:00 Hands-on Lab: Stable Tibial Frame (All Half-pins)

Facilitator: *TBA*

Lab Assistants:

Michael Assayag, MD

Alexander Cherkashin, MD

Connor Green, MD

John Herzenberg, MD

Christopher Iobst, MD

Philip McClure, MD

Joseph Stains, PhD

Shawn Standard, MD

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