30th Annual Virtual
Baltimore Limb Deformity Course:
Pre-recorded and Interactive Sessions
(as of 7/21/20)

Course Chairmen
John Herzenberg, MD
Philip McClure, MD

Course Directors
Michael Assayag, MD
Janet Conway, MD
Noman Siddiqui, DPM
Shawn Standard, MD

Endorsed by:
Faculty

Franck Accadbled, MD  Toulouse, France
Alejandro Baar, MD  Santiago, Chile
Rainer Baumgart, MD  Munich, Germany
Douglas Beaman, MD  Portland, Oregon
Anil Bhave, PT  Baltimore, Maryland
Christopher Bibbo, DO  Baltimore, Maryland
Alexander Cherkashin, MD  Dallas, Texas
Mark Eidelman, MD  Haifa, Israel
Austin Fragomen, MD  New York, New York
Jeanne Franzone, MD  Wilmington, Delaware
Marie Gdalevitch, MD  Montreal, Canada
Stuart Green, MD  Los Alamitos, California
Vache Hambardzumyan, MD  Providence, Rhode Island
Christopher Iobst, MD  Columbus, Ohio
Guido LaPorta, DPM  North Abington Township, Pennsylvania
Daniel N’Dele, MD  Lausanne, Switzerland
L. Reid Nichols, MD  Wilmington, Delaware
David Podeszwa, MD  Dallas, Texas
Christof Radler, MD  Vienna, Austria
Katherine Rosenwasser, MD  Baltimore, Maryland
Daniel Ruggles, DO  Columbus, Ohio
Sanjeev Sabharwal, MD  Lafayette, California
Philip Wrotslavsky, DPM  San Diego, California
**Pre-recorded Core Curriculum: Pre-recorded Sessions 1 through 6**

**Session 1: Introduction to Planning**

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<thead>
<tr>
<th>Duration</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>15 min</td>
<td>Introduction to the Virtual Baltimore Limb Deformity Course</td>
<td>TBA</td>
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<tr>
<td>15 min</td>
<td>Introduction to Deformity Planning Concepts: The Apex/Axis Method - Mapping the ABCs</td>
<td>Shawn Standard, MD</td>
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<tr>
<td>15 min</td>
<td>Alphabet Soup of Limb Alignment (Frontal Plane): MAD, AMA, LPFA, MPFA, LDFA, MPTA, LDTA, and JLCA</td>
<td>Philip McClure, MD</td>
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<tr>
<td>15 min</td>
<td>Frontal Plane Measurements on Normal Bones (Workbook Frontal Cases NA 03, 04, and 05)</td>
<td>Janet Conway, MD</td>
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<tr>
<td>15 min</td>
<td>Radiology of Lower Limb Deformities</td>
<td>Janet Conway, MD</td>
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<tr>
<td>15 min</td>
<td>Clinical History and Physical Examination Considerations</td>
<td>Janet Conway, MD</td>
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<tr>
<td>30 min</td>
<td>Assessment of Limb Alignment: Frontal Plane MAP (Workbook Frontal Cases ALA 01–07)</td>
<td>John Herzenberg, MD</td>
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**Session 2: Frontal Plane - Tibial and Femoral Planning**

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<th>Duration</th>
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<tbody>
<tr>
<td>30 min</td>
<td>The ABCs of Deformity Correction: How to Approach Deformity Analysis and Osteotomy Planning</td>
<td>Shawn Standard, MD</td>
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<tr>
<td>45 min</td>
<td>Tibia: Frontal Plane Single-level Deformities (Workbook Cases TSL 01–07)</td>
<td>Michael Assayag, MD</td>
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<tr>
<td>15 min</td>
<td>Introduction to Bone Ninja</td>
<td>Shawn Standard, MD</td>
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<tr>
<td>30 min</td>
<td>Tibia: Frontal Plane Double-level Deformities (Workbook Cases TDL 01–04)</td>
<td>Philip McClure, MD</td>
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<tr>
<td>45 min</td>
<td>Femur: Frontal Plane Single-level Deformities (Workbook Cases FSL 01–04)</td>
<td>John Herzenberg, MD</td>
</tr>
<tr>
<td>15 min</td>
<td>Femur: Frontal Plane Double-level Deformities (Workbook Cases FDL 01 and 04)</td>
<td>Philip McClure, MD</td>
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Session 3: Sagittal and Oblique Plane Deformities

15 min  Introduction to Sagittal Plane Analysis: Is It Really That Much Different Than the Frontal Plane?
         *Shawn Standard, MD*

15 min  Alphabet Soup of Limb Alignment: Sagittal Plane
         *Philip McClure, MD*

15 min  Sagittal Plane: Normal Alignment (Workbook Sagittal Case ALA 02)
         *Philip McClure, MD*

15 min  Sagittal Plane Deformities: Assessing Limb Alignment (Workbook Sagittal Cases ALA 01 and 02)
         *Philip McClure, MD*

15 min  Alternative Methods for Reconciling Sagittal Deformity: Tables, See-Saws, and Maybe a Shortcut Through the Woods
         *Philip McClure, MD*

30 min  Tibia: Sagittal Plane Deformities (Workbook Cases TSP 01 and 02)
         *Michael Assayag, MD*

15 min  Femur: Sagittal Plane Deformities (Workbook Cases FSP 01 and 03)
         *Philip McClure, MD*

15 min  Introduction to the Oblique Plane
         *Shawn Standard, MD*

30 min  Tibia: Oblique Plane Deformities (Workbook Cases TOP 02 and 04)
         *Janet Conway, MD*

Session 4: Foot and Ankle - Introduction to Planning

15 min  Pre-Op Planning: Foot and Ankle
         *Noman Siddiqui, DPM*

15 min  Alphabet Soup of Foot and Ankle Alignment: Frontal, Sagittal, and Transverse Planes
         *Noman Siddiqui, DPM*

30 min  Foot and Ankle: Frontal, Sagittal, and Transverse Plane Deformities (Workbook AP Ankle Case 01, Lateral Ankle Case 02, AP Forefoot Case 06, AP Midfoot Case 09A, Hindfoot Saltzman View Case 10)
         *Noman Siddiqui, DPM*

15 min  Bone Ninja Demonstration: Ankle Varus (Ankle Case 01)
         *Noman Siddiqui, DPM*

15 min Bone Ninja Demonstration: Flexible Flatfoot (Midfoot Case 09A)
         *Noman Siddiqui, DPM*
Session 5: Pediatric Orthopedics

15 min  Radiographic Assessment of Limb Length Discrepancy: Determining Total Limb Length Discrepancy  
        Shawn Standard, MD

15 min  Incorporating the Multiplier Method into Your Pediatric Orthopedic Practice  
        John Herzenberg, MD

Session 6: Sawbone Video Labs: Deformity Planning and Correction Techniques

Hexapod Frames (Application, Planning, and Correction): A Variety of Devices

45 min  Blount Disease Hexapod Correction: Pre-planned and Pre-built Hexapod Construction  
        Philip McClure, MD

45 min  Blount Proximal Tibia Vara: Hexapod Frame  
        John Herzenberg, MD

30 min  Distal Tibia Vara: Hexapod Frame  
        John Herzenberg, MD

45 min  Distal Tibia Vara: Hexapod Frame  
        Michael Assayag, MD

30 min  Open Tibia Fracture with Soft-tissue Defect  
        Philip McClure, MD

30 min  Hexapod Butt Frame for Midfoot Deformity  
        John Herzenberg, MD

30 min  Equinus Correction with Hexapod Frame  
        Philip McClure, MD

15 min  Midfoot Charcot Rocker Bottom: Hexapod Frame  
        Noman Siddiqui, MD

15 min  Ankle Fusion Malunion with Midfoot Cavoaductus: Hexapod Butt Frame  
        Noman Siddiqui, DPM

30 min  Hyperequinus Foot  
        John Herzenberg, MD

30 min  Ponseti-Sequence Hexapod for Clubfoot  
        John Herzenberg, MD
Fixator-assisted Nailing

15 min  Fixator-assisted Nailing for Femoral Anteversion
         *Philip McClure, MD*

Pediatric Surgical Techniques

15 min  Correction of Coxa Vara: Locking Cannulated Blade Plate
         *Philip McClure, MD*

15 min  Valgus Hip Correction: Modular Blade Plate
         *Shawn Standard, MD*

15 min  Varus Hip Correction: Modular Blade Plate
         *Shawn Standard, MD*

Intramedullary Lengthening Nail Technique

15 min  Femoral Retrograde Lengthening Nail Implantation
         *Franck Accadbled, MD, and Daniel N’Dele, MD*
Pre-recorded Clinical Content: Sessions 7 through 11

Session 7: Deformity Correction – Planning and Surgical Techniques

15 min  Reverse Planning Method: Distal Femoral Lengthening with Deformity Correction  
*Philip McClure, MD*

15 min  Knee Contracture Management  
*Anil Bhave, PT*

15 min  Half-pins versus Wires: When and How  
*Christof Radler, MD*

15 min  Digital Osteotomies as a Tool in Patient Education  
*Vache Hambardzumyan, MD*

15 min  Clinical Biomechanics of External Fixation  
*Daniel Ruggles, DO*

15 min  New Concepts in Dynamization of Circular Frames  
*Alexander Cherkashin, MD*

15 min  High Tibial Osteotomy: Internal vs. External Fixation for Medial Compartment Osteoarthritis  
*Janet Conway, MD*

15 min  Fixator-assisted Locked Plating for Long Bone Deformity Correction  
*Janet Conway, MD*

30 min  Deformity Correction with Intramedullary Nails  
*Christopher Iobst, MD*

Session 8: Bone Defects

15 min  Bone Transport Options  
*Michael Assayag, MD*

15 min  Masquelet in the Pediatric Population: Review of the Literature and Case Example  
*Philip McClure, MD*

15 min  The Induced Membrane Technique: Clinical Evidence  
*Janet Conway, MD*

15 min  Limb Reconstruction Strategies for Tumor Defects  
*Rainer Baumgart, MD*

Session 9: Foot and Ankle Surgical Techniques

30 min  Equinus Deformity: Concepts, Clinical Assessment, and Treatment Options  
*Guido LaPorta, DPM*
45 min  Minimally Invasive Bunion Surgery
         Noman Siddiqui, DPM

15 min  Managing Complications in Charcot Foot Surgery
         Noman Siddiqui, DPM

30 min  Bone Loss Around the Ankle: Trauma and Failed Arthroplasty
         Douglas Beaman, MD

30 min  Charcot Foot Deformity: Role of Gradual Correction
         Philip Wrotslavsky, DPM

15 min  Ankle Distraction Arthroplasty for Post-traumatic Osteoarthritis
         Austin Fragomen, MD

**Session 10: Pediatric Topics**

30 min  Blount Disease: A Case Based Approach
         Sanjeev Sabharwal, MD

30 min  Nuances in Pediatric Orthopedic Infections
         Mark Eidelman, MD

30 min  Congenital Femoral Deficiency: Lengthening with External Fixation
         Shawn Standard, MD

30 min  Tips, Tricks, and Pitfalls for the Ganz Periacetabular Osteotomy
         David Podeszwa, MD

30 min  Obstacles in Osteogenesis Imperfecta: Limb Reconstruction
         Jeanne Franzone, MD

15 min  Treatment of Premature Growth Arrest
         Alejandro Baar, MD

**Session 11: Special Topics**

60 min  Strong Women: Adversity and Resilience

30 min  Adversity and Resilience: 10 Years after Residency
         Marie Gdalevitch, MD

15 min  Power of Persistence
         L. Reid Nichols, MD

15 min  Panel Discussion
         Moderator: Katherine Rosenwasser, MD
         Panel: Marie Gdalevitch, MD, and L. Reid Nichols, MD

60 min  Self-Inflicted Wounds: Tales of Greed, Deceit, and Stupidity
         Stuart Green, MD
Interactive Curriculum: August 29–30, 2020

Submit Your Case:
All cases must be submitted to mbacon@lifebridgehealth.org by Friday, July 31.
Please include:
- A brief summary of the case
- Whether it is a pediatric, adult, or foot/ankle case
- Which interactive session (numbers 1, 2, 3, or all sessions) that you plan to attend
- A PowerPoint or Keynote file
Cases will be previewed and sequenced by the moderator. Moderators will run the PowerPoint/Keynote files from their computer, and the presenters will narrate the presentations. A maximum of ten minutes will be dedicated to the presentation/discussion of each case.

Submit Your Questions:
Please submit your questions to mbacon@lifebridgehealth.org by Tuesday, August 25, and indicate which interactive session(s) (numbers 1, 2, or both) that you plan to attend. Questions will be previewed and sequenced by the moderator. Questions submitted by August 25 may be addressed first.

Saturday, August 29, 2020
**All times shown in military time (24-hour clock) and Eastern Daylight Time (EDT)**

Interactive Session 1

08:00–08:30 Visit with Corporate Partners
08:30–10:30 Interactive Help Sessions and Case Presentations
10:30–11:00 Visit with Corporate Partners

Interactive Session 2

18:00–18:30 Visit with Corporate Partners
18:30–20:30 Interactive Help Sessions and Case Presentations
20:30–21:00 Visit with Corporate Partners
Sunday, August 30, 2020

**All times shown in military time (24-hour clock) and Eastern Daylight Time (EDT)**

**Interactive Session 3**

09:30–10:00  Visit with Corporate Partners

10:00–13:00  Interactive Participant Case Presentations

**Adult Orthopedics Case Presentations**

10:00–10:15  Special Lecture  
Janet Conway, MD

10:15–13:00  Adult Case Presentations  
Panel: Michael Assayag, MD, and Janet Conway, MD

**Pediatric Orthopedics Case Presentations**

10:00–10:15  Knee Considerations in Intramedullary Limb Lengthening  
Shawn Standard, MD

10:15–13:00  Pediatric Case Presentations  
Panel: John Herzenberg, MD, Philip McClure, MD, and Shawn Standard, MD

**Foot/Ankle Case Presentations**

10:00–10:15  Special Lecture  
Noman Siddiqui, DPM

10:15–13:00  Foot/Ankle Case Presentations  
Panel: Christopher Bibbo, DO, and Noman Siddiqui, DPM

13:00–13:30  Visit with Corporate Partners