

**Virtual 31st Annual
Baltimore Limb Deformity Course:
Pre-recorded and Interactive Sessions**
(as of 6/24/21)



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

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|---------------------------|---------------------------------------|
| 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 |
| 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 Hambarzumyan, 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

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

Session 2: Frontal Plane - Tibial and Femoral Planning

- 30 min ABCs of Deformity Correction: How to Approach Deformity Analysis and Osteotomy Planning
Shawn Standard, MD
- 45 min Tibia: Frontal Plane Single-level Deformities - ABCs: How to Draw Axis Lines to Find the Apex (Workbook Cases TSL 01–07)
Michael Assayag, MD
- 15 min Introduction to Bone Ninja
Shawn Standard, MD
- 30 min Tibia: Frontal Plane Double-level Deformities (Workbook Cases TDL 01–04)
Philip McClure, MD
- 45 min Femur: Frontal Plane Single-level Deformities (Workbook Cases FSL 01–04)
John Herzenberg, MD
- 15 min Femur: Frontal Plane Double-level Deformities (Workbook Cases FDL 01 and 04)
Philip McClure, MD

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 NA 07)
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 – How to Draw Axis Lines to Find the Apex (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 and Surgical 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
- 15 min Open Tibia Fracture With Soft-tissue Defect: Deformity Creation for Wound Closure
Philip McClure, MD
- 30 min Midfoot Deformity: Hexapod Butt Frame
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 Cavoadductus: Hexapod Butt Frame
Noman Siddiqui, DPM
- 30 min Hyper-equinus: Hexapod Long Bone Frame
John Herzenberg, MD
- 30 min Residual Clubfoot Deformity–Ponseti Sequence: Hexapod Long Bone Frame
John Herzenberg, MD

Fixator-assisted Nailing

- 15 min Fixator-assisted Nailing for Femoral Anteversion
Philip McClure, MD
- 10 min Fixator-assisted Nailing Femoral Derotation Osteotomy
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
- 10 min Physeal Bar Resection Under Guidance Using an Endoscopic Camera and the O-arm
Multidimensional Surgical Imaging System
Philip McClure, 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 Hambarzumyan, 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: The Role of Gradual Correction
Philip Wroslavsky, 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 Strong Women: Adversity and Resilience 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

2020 Recorded Interactive Sessions

Interactive Live Help Session 1: Participant Questions & Answers

120 min *Featuring Michael Assayag, MD, Janet Conway, MD, Mark Eidelman, MD, John Herzenberg, MD, Philip McClure, MD, Noman Siddiqui, DPM, Shawn Standard, MD, Daniele Sciuto, MD, and Ahmed Thabet, MD*

Interactive Live Help Session 2: Participant Questions & Answers

120 min *Featuring Michael Assayag, MD, Janet Conway, MD, John Herzenberg, MD, Philip McClure, MD, Noman Siddiqui, DPM, Shawn Standard, MD, Job Timeny, DPM, Jessica Rivera, MD, and Liam Halliday, MBBS*

Interactive Participant Case Presentations: Adult Orthopedics

180 min *Featuring Michael Assayag, MD, Alejandro Baar, MD, Janet Conway, MD, John Herzenberg, MD, Ahmed Thabet, MD, Leonid Solomin, MD, and Talal Abalkhail, MD*

Interactive Participant Case Presentations: Foot/Ankle

180 min *Featuring John Herzenberg, MD, Noman Siddiqui, DPM, Ahmed Thabet, MD, Leonid Solomin, MD, and Michael Theodoulou, DPM*

Interactive Participant Case Presentations: Pediatric Orthopedics

180 min *Featuring Alejandro Baar, MD, Jeanne Franzone, MD, John Herzenberg, MD, Philip McClure, MD, Shawn Standard, MD, Leonid Solomin, MD, Jill Flanagan, MD, Michael Forness, DO, Sakti Das, MS(Ortho), and Dalia Sepulveda, MD*