

31<sup>st</sup> Annual Baltimore Limb Deformity Pre-Course

# Bone Lengthening Basics

Wednesday, August 4, 2021

(as of 04.28.2021)

Four Seasons Hotel  
Baltimore, Maryland, USA

Endorsed by:



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## Course Chairman

Philip McClure, MD

## Course Director

John Herzenberg, MD

## LLRS Liaison

David Podeszwa, MD

## Faculty

Michael Assayag, MD  
Alexander Cherkashin, MD  
Mark Eidelman, MD  
Jill Flanagan, MD  
J. Spence Reid, MD  
Mikhail Samchukov, MD  
Shawn Standard, MD  
Harold van Bosse, MD

## Lab Instructors

Janet Conway, MD  
L. Reid Nichols, MD

## ***Wednesday, August 4, 2021***

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- 7:00–7:30     Registration, Carb Loading, and Visit Corporate Contingent     *Cobalt Ballroom Pre-Function and Grand Ballroom Pre-Function, Level 2*
- 7:30–7:40     Welcome     *Grand Ballroom A, Level 2*  
                  *Philip McClure, MD*
- 7:40–7:55     History of Hexapods  
                  *John Herzenberg, MD*
- 7:55–8:15     Ring Components of Stability: Size, Full/Partial Rings, Ring Blocks, and Thickness  
                  *Alexander Cherkashin, MD*
- 8:15–8:35     Pin Factors: Divergence in the Axial Plane and in the Coronal/Sagittal Planes  
                  *Mikhail Samchukov, MD*
- 8:35–8:55     Wire Factors: Reference Wire, Tension, Diameter, and Divergence  
                  *Mark Eidelman, MD*
- 8:55–9:15     Frame Design Considerations: Angular Correction (Fixation Crowding), Lengthening  
                  (Soft-tissue Recruitment), Transport (Pin Pathways), and Fracture  
                  (Stiffness)  
                  *Philip McClure, MD*
- 9:15–9:30     Safe Pin Pathways  
                  *Mark Eidelman, MD*
- 9:30–9:35     Discussion
- 9:35–10:00    Health Break and Visit Corporate Contingent     *Grand Ballroom Pre-function*
- 10:00–11:15   Hands-on Lab: Stable Tibial Frame (All Wires)     *Grand Ballroom B*  
                  Facilitator: *Jill Flanagan, MD*  
                  Lab Assistants: *All Faculty*
- 11:15–12:15   Hands-on Lab: Stable Tibial Frame (All Half-pins)  
                  Facilitator: *David Podeszwa, MD*  
                  Lab Assistants: *All Faculty*
- 12:15–12:20   Head to Musette
- 12:20–12:45   Feed Bags     *Grand Ballroom Pre-Function, Level 2*
- 12:45–1:10    Management of Regenerate     *Grand Ballroom A*  
                  *Shawn Standard, MD*
- 1:10–1:15     Head to Afternoon Races

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- 1:15–1:45     Bone Transport Using External Fixation  
*J. Spence Reid, MD* *Grand Ballroom A, Level 2*
- 1:45–3:45     Bone Transport Lab *Grand Ballroom B*  
Facilitator: *Michael Assayag, MD*  
Lab Assistants: *All Faculty*
- 3:45–4:05     Health Break and Visit Corporate Contingent *Grand Ballroom Pre-function*
- 4:05–4:20     Regenerate Stimulation Techniques *Grand Ballroom A, Level 2*  
*Harold van Bosse, MD*
- 4:20–4:55     Case Presentations  
*Faculty and participants are invited to submit a case(s) on a USB drive in either  
PowerPoint or KeyNote format. No laptops, please.*  
Moderator: *Philip McClure, MD*
- 4:55–5:00     Course Evaluation
- 5:00            Finish Line