

# ELLER

**Essentials of Lower Extremity Reconstruction**

**January 20–21, 2023**

**Texas Scottish Rite Hospital for Children  
Dallas, TX**

The Essentials of Lower Extremity Reconstruction course presents the basics of deformity analysis and external fixation constructs with a focus toward senior residents and orthopedic fellows. The course has collected faculty from across the country with expertise in deformity analysis and correction, with a focus on the applications of advanced deformity correction to common orthopedic pathology in the lower extremity. The importance of thorough clinical and radiographic evaluation is highlighted in relation to arthroplasty, sports reconstruction, trauma and pediatric orthopedics. Hands-on sawbone labs are designed to highlight the principles of stable external fixation and reconstruction, with interactive sessions reviewing a comprehensive system for deformity analysis and reconstruction.



Essentials of Lower Extremity Reconstruction is presented by a partnership between Limb Lengthening and Reconstruction Society and the Baltimore Limb Deformity Course, LifeBridge Health



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## Essentials of Lower Extremity Reconstruction

### Friday

7:00–7:45 a.m.	Faculty Meeting – All Faculty
7:55–8:00 a.m.	Introduction and Objectives – Philip K. McClure, MD
8:00–8:15 a.m.	Case Based Lecture – Power of Deformity Correction and Frame Skills Christopher A. Iobst, MD
8:15–8:30 a.m.	Alignment Problems in Sports – Patella Tracking/ACL/Rotation Jill C. Flanagan, MD
8:30–8:45 a.m.	Alignment Problems in Trauma – Distal Femur/Plateau/Pilon J. Spence Reid, MD
8:45–9:00 a.m.	Alignment Problems in Joint Arthroplasty – Michael Assayag, MD
9:00–9:15 a.m.	Alignment Problems in Foot and Ankle Reconstruction Douglas N. Beaman, MD
9:15–9:35 a.m.	What Is Straight? Frontal and Sagittal Analysis and Nomenclature John G. Birch, MD
9:35–10:05 a.m.	Lab: Normal Frontal and Sagittal Plane Measurements – L. Reid Nichols, MD
10:05–10:20 a.m.	Break
10:20–10:35 a.m.	Assessment of Malalignment (MAD and CORA) – David Podeszwa, MD
10:35–10:55 a.m.	Bisector Line/Osteotomy Rules with Bone Ninja – Marie Gdalevitch, MD
10:55–11:45 a.m.	Lab: Tibial Frontal Plane/Single Level Deformities Michael Assayag, MD
11:45 a.m.–12:45 p.m.	Lunch
12:45–1:10 p.m.	Case Based Lecture Introduction to Ring Fixation – J. Tracy Watson, MD
1:10–2:40 p.m.	Lab: Frame Stability – Mikhail Samchukov, MD, All Faculty
2:05–2:20 p.m.	Break
2:20–2:35 p.m.	Safe Zones – Wire and Pin Placement – Alexander Cherkashin, MD
2:35–2:50 p.m.	Corticotomy/Osteotomy Techniques – Jill C. Flanagan, MD
2:50–4:50 p.m.	Hands-On Lab: Stable Frame – Wires/Pins/Osteotomy – L. Reid Nichols, MD
4:50–5:00 p.m.	Day One in 10 Minutes – Philip K. McClure, MD
7:00–8:30 p.m.	Optional “Fireside” Cases – All Faculty

### Registration

The course is FREE for Senior Residents (PGY3-5), Pediatric Fellows, and Trauma Fellows

Register [here](#)

Participants must send a letter stating they are currently a Resident or Fellow to [info@llrs.org](mailto:info@llrs.org)

Questions? Contact [info@llrs.org](mailto:info@llrs.org) or [mbacon@lifebridgehealth.org](mailto:mbacon@lifebridgehealth.org)

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## Essentials of Lower Extremity Reconstruction

### Saturday

8:00–8:05 a.m.	Introduction & Objectives – David Podeszwa, MD
8:05–8:50 a.m.	Lab: Femur Frontal Plane Single Level Deformities – L. Reid Nichols, MD
8:50–9:20 a.m.	Advanced Concepts: Double Level, Oblique Plane, Sagittal Plane Philip K. McClure, MD
9:20–9:35 a.m.	Principle Based Cases in Trauma – J. Spence Reid, MD
9:35–9:50 a.m.	Principle Based Cases in Pediatrics – John G. Birch, MD
9:50–10:05 a.m.	Principle Based Cases in Foot and Ankle – Douglas N. Beaman, MD
10:05–10:20 a.m.	Break
10:20–11:50 a.m.	Hands–On Lab: Pilon Frame Bridged to Foot Douglas N. Beaman, MD, All Faculty
11:50 a.m.–12:35 p.m.	Lunch
12:35–1:00 p.m.	Options for Bone Loss – Tibia – J. Tracy Watson, MD
1:00–2:20 p.m.	Hands–On Lab: Bone Transport Frame – J. Tracy Watson, MD, All Faculty
2:20–2:40 p.m.	Introduction to Hexapod Methods – Mikhail Samchukov, MD
2:40–2:55 p.m.	Break
2:55–3:55 p.m.	Hands–On Lab/Contest: Mid Tibial Fracture: Rings First, Build Only – All Faculty
3:55–4:15 p.m.	Software Concepts in Hexapod Reconstruction – Philip K. McClure, MD
4:15–4:25 p.m.	OR Setup for Ring Fixation Cases – Christopher A. Iobst, MD
4:25–4:40 p.m.	Management of Regenerate Bone – Michael Assayag, MD
4:40–5:00 p.m.	Management of Patient in a Frame – Alexander Cherkashin, MD
5:00–5:15 p.m.	Questions/Adjourn/Contest Winner Awarded – All Faculty

### Objectives

1. Describe the components of deformity analysis of the lower extremity;
2. Plan basic deformity correction (i.e., single-level, coronal plane);
3. Employ the concepts of stable circular frame construction for the application in deformity correction, bone lengthening, and fracture cases;
4. Construct a basic stable tibial circular frame (deformity, trauma, transport); and
5. Explain the basics of regenerate bone formation along with the concepts for basic regenerate care.

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## Essentials of Lower Extremity Reconstruction

### Program Chairs



**Dr. David Podeszwa** is a Professor of Orthopedic Surgery in the Department of Orthopedic Surgery at the University of Texas Southwestern Medical Center and serves as the Clinical Director of the Center for Excellence in Limb Lengthening and Reconstruction at Scottish Rite for Children in Dallas, TX. He is also Co-Director of the Controversies in Pediatric Limb Reconstruction symposium held at Scottish Rite for Children.



**Philip K. McClure, MD, FAOS**, is Assistant Director of the International Center for Limb Lengthening where he is a board-certified orthopedic surgeon specializing in limb lengthening and reconstruction. His practice focuses on children and adults who require limb reconstruction and/or lengthening due to trauma, infection, congenital conditions and genetic syndromes.

Dr. McClure serves as the director of the intensive one-year Limb Reconstruction Fellowship Program at the ICLL. He also co-chairs the annual Baltimore Limb Deformity Course where over 250 surgeons come to Baltimore to be trained in limb lengthening and deformity correction.

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For more information, click [here](#)

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