

Limb Lengthening and Reconstruction Society
Association for the Study and Application of the Methods of Ilizarov–North America

Agenda
Subject to change

Friday, July 18, 2025

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| 6:30–7:15 a.m. | Wellness Activity: Walk with Drs. Iobst and Nossov* – leave from hotel lobby |
| 6:30–7:15 a.m. | Wellness Activity: 5K Run with Dr. Flanagan* – leave from hotel lobby |
| 6:30–7:15 a.m. | Wellness Activity: Morning Yoga* – <i>pre-registration before 6/20 required</i>
The Underground Spa on Lower Level (LL) of hotel |
| 7:00 a.m. | Meeting Registration/Check-In Opens |
| 7:15–8:00 a.m. | Continental Breakfast – Stenton |
| 7:15–8:00 a.m. | Visit Corporate Partners – Ballroom Foyer & Mount Vernon |
| 8:00–8:04 a.m. | Welcome/Introduction/Disclosure – Ballroom
<i>Christopher A. Iobst, MD</i> |
| 8:05–8:44 a.m. | Session I: Trauma I
Moderator: James A. Blair, MD |
| 8:05–8:10 a.m. | Plate–Tensioned Nail for Repair of Femoral Nonunion after Failed Lengthening or Fracture Repair – <i>Joseph T. Patterson, MD</i> |
| 8:11–8:16 a.m. | Three–Dimensional Virtual Modeling for Lower Limb Deformity Correction over Intramedullary Nail – <i>Roy Gigi, MD</i> |
| 8:17–8:22 a.m. | Higher ASA Score Associated with Complications and Mortality Following Nonunion Surgery – <i>Morgan Roche, BS</i> |
| 8:23–8:28 a.m. | Is it Time to Rethink Our Understanding of Contralateral Femoral Version? <i>Alyssa Barré, MD</i> |
| 8:29–8:34 a.m. | Healing Wounds: Early Experience with Transverse Tibial Transport
<i>Jessica C. Rivera, MD, PhD</i> |
| 8:34–8:44 a.m. | Discussion |
| 8:45–9:24 a.m. | Session II: Pediatrics I
Moderator: Elizabeth Hubbard, MD |
| 8:45–8:50 a.m. | Comparative Analysis of Limb Lengthening Complications in Children Aged 5 to 8 Versus Other Pediatric Age Groups – <i>Akram Al Ramlawi, MD</i> |

*No CME awarded

8:51–8:56 a.m.	Threaded Non–Telescopic Rods Demonstrate Less Rod Prominence and Migration than Non–Threaded Non–Telescopic Rods in Patients with Osteogenesis Imperfecta: A Case–Control Study – <i>Jeanne M. Franzone, MD</i>
8:57–9:02 a.m.	Relative Closure of Growth Plates in the Upper and Lower Extremity Using Serial Radiographic Collection – <i>Marlee R. Yancey, MD</i>
9:03–9:08 a.m.	Acute Knee Flexion Contracture Correction in Patients with Arthrogryposis and Failed Distal Femoral Osteotomies – <i>Sarah Nossov, MD</i>
9:09–9:14 a.m.	Distal Femur Extension Osteotomy for Neuromuscular Knee Flexion Contracture: A Novel Technique Using Intramedullary Fixation <i>Stephanie Kaszuba, MD</i>
9:15–9:24 a.m.	Discussion
9:25–9:45 a.m.	Wellness Lecture – <i>Nana Coleman, MD, EdM</i>
9:46–9:50 a.m.	Wellness Lecture Discussion
9:51–10:30 a.m.	Session III: Basic Science Moderator: Jessica C. Rivera, MD, PhD
9:51–9:56 a.m.	Comparison of Compressive Forces Generated Between Standard and Magnetic Compression Nails – <i>Megan Audet, MD</i>
9:57–10:02 a.m.	The Neuromuscular Knee Displays Unique Rotatory Tibiofemoral Pathoanatomy – <i>Kateland Howard</i>
10:03–10:08 a.m.	Performance Comparison of Medical and Non–medical Wire Saw Designs for Surgical Bone Cutting – <i>Christopher A. Iobst, MD</i>
10:09–10:14 a.m.	Digital Monitoring of Patients Undergoing Orthopedic Deformity Correction: Feasibility and Patient Acceptability <i>Pernille Damborg Clasen, Research Nurse</i>
10:15–10:20 a.m.	The Effect of Closing Wedge Osteotomy on Leg Length Discrepancy: An Evaluation using Three–Dimensional Virtual Modeling – <i>Roy Gigi, MD</i>
10:21–10:30 a.m.	Discussion
10:31–10:50 a.m.	Wellness Break – Stenton, Ballroom Foyer & Mount Vernon Visit Corporate Partners
10:51–11:30 a.m.	Session IV: Trauma II Moderator: Stephen M. Quinnan, MD
10:51–10:56 a.m.	Strain Reduction Lag Screws as Adjunct Fixation in Recalcitrant Tibial Nonunions – <i>Khaled Alrajhi, MD</i>

10:57–11:02 a.m.	Characteristics and Anatomical Location of Infected Pin–Sites <i>Marie Fridberg, MD, PhD</i>
11:03–11:08 a.m.	Differences Between Treatment Course Among Aseptic and Septic Nonunions and Malunions – <i>Mihir Sharma, BS</i>
11:09–11:14 a.m.	A Review of Medullary Based Bone Transport – <i>Carol Lee, MD</i>
11:15–11:20 a.m.	Femur Deformity Correction Using an Intramedullary Nail <i>Sarah Hebert–Seropian, MD</i>
11:20–11:30 a.m.	Discussion
11:31–12:10 p.m.	Session V: Pediatrics II Moderator: L. Reid Nichols, MD
11:31–11:36 a.m.	Congenital Pseudarthrosis of the Tibia: Is Pharmacological Adjuvant Therapy Imperative for Bone Healing in X–Union? – <i>Richard Luzzi, MD</i>
11:37–11:42 a.m.	Diffusion Tensor Imaging of the Distal Tibia and Fibula as a Marker of Skeletal Growth in Pediatric Patients: A Preliminary Experience <i>Lejla Pepic, BS</i>
11:43–11:48 a.m.	So Many Surgeries: Can we Minimize the Number of Surgeries Performed for Deformity Correction in Severe Early–Onset Blount Disease? <i>Melinda Sharkey, MD</i>
11:49–11:54 a.m.	Early–Onset Blount Disease: Can We Predict Spontaneous Resolution? <i>Melinda Sharkey, MD</i>
11:55–12:00 p.m.	Predicting Success of Growth Modulation Surgery in Late Onset Tibia Vara (LOTV) – <i>Guillermo Marquez, MD</i>
12:00–12:10 p.m.	Discussion
12:11–1:00 p.m.	Lunch – pick up Boxed Lunch in Stenton Visit Corporate Partners – Ballroom Foyer & Mount Vernon
1:01–1:50 p.m.	Session VI: Award Nominated Papers I Moderator: Mitchell Bernstein, MD
1:01–1:07 p.m.	Quantifying Proximal Tibial Physeal Injury in Rigid Intramedullary Nailing in Adolescent Patients – <i>Stephanie Kha, MD</i>
1:08–1:14 p.m.	Harnessing the Power of Nature: mRNA–Activated Biomimetic Hematoma Scaffold for Regeneration of Volumetric Muscle Loss – <i>Vaida Glatt, PhD</i>
1:15–1:21 p.m.	Normative Proximal Tibial Morphology Through Childhood and Implication for Deformity Analysis and Correction – <i>Emily DeMaio, MD</i>

- 1:22–1:28 p.m. Can the Addition of a 3D–Painted Bone Scaffold Accelerate the Maturation of Regenerate Bone During Distraction Osteogenesis in a Lapine Model? A Pilot Study – *Christopher A. Iobst, MD*
- 1:29–1:35 p.m. Effect of Distraction Osteogenesis on Body Weight – An Experimental Study in a Lapine Model – *Anirejuoritse Bafor, MD*
- 1:36–1:50 p.m. Discussion
- 1:51–1:55 p.m. Alessandro Codivilla Guest Speaker Introduction
- 1:55–2:40 p.m. **Alessandro Codivilla Guest Speaker***
Achieving Excellence
Blake Leeper
2–time Paralympian; 2–time Paralympic Medalist
- 2:41–2:46 p.m. Discussion
- 2:47–3:07 p.m. Wellness Break – Stenton, Ballroom Foyer & Mount Vernon
Visit Corporate Partners
- 3:08–3:23 p.m. **Traveling Fellowship Presentation**
Introduction by Jaclyn F. Hill, MD
Caleb Gottlich, MD
Saad Malik, MD
Mike Russell, MD
Ashley Startzman, MD
Bicheng Yong, MD
- 3:24–3:29 p.m. LLRS Opportunity in Malawi – *Mike Russell, MD*
- 3:30–4:15 p.m. **Session VII: Award Nominated Papers II**
Moderator: Jill C. Flanagan, MD
- 3:30–3:36 p.m. Compounding Pulleys: Automated Multifocal Cable Bone Transport for Segmental Tibial Defects Using a Single Head Unit
Roberto Hernandez–Irizarry, MD
- 3:37–3:43 p.m. Comparative Outcomes of 8.5mm Intramedullary Nails versus Extramedullary Constructs for Femoral Lengthening in Pediatric Patients
Akram Al Ramlawi, MD
- 3:44–3:50 p.m. To Correct or Overcorrect – That is the Question: Rates of Deformity Recurrence in Surgically Treated Early–Onset Blount Disease
Eduardo Valero–Moreno, MD
- 3:51–3:57 p.m. Treatment Outcomes Following Retrograde Femoral Extramedullary Lengthening Using an Internal Lengthening Nail – *Christopher A. Iobst, MD*

- 3:58–4:04 p.m. Is there a Negative Correlation between Screw Length and Correction Rat via Guided Growth? A Retrospective Study of 138 African Limbs with Genu Varum – *Bicheng Yong, MD*
- 4:05–4:15 p.m. Discussion
- 4:16–5:00 p.m. Business Meeting* – **LLRS Members only**
- 6:30–8:30 p.m. The President’s Reception*
Barnes Foundation Museum of Art – *ten minute walk from hotel*
2025 Benjamin Franklin Pkwy, Philadelphia, PA 19130

Saturday, July 19, 2025

- 6:30–7:15 a.m. Wellness Activity: 5K Run with Dr. Flanagan* – leave from hotel lobby
- 6:30–7:15 a.m. Wellness Activity: Morning Yoga* – *pre-registration before 6/20 required*
The Underground Spa on Lower Level (LL) of hotel
- 7:15 a.m. Meeting Registration/Check-In Opens
- 7:15–8:00 a.m. Continental Breakfast – Stenton
- 7:15–8:00 a.m. **Visit Corporate Partners** – Ballroom Foyer & Mount Vernon
- 8:00–8:05 a.m. Announcements – Ballroom
- 8:06–8:45 a.m. **Session VIII: Patient Reported Outcomes**
Moderator: Anthony Cooper, MD
- 8:06–8:11 a.m. The Limb Lengthening and Reconstruction Society AIM Index: Correlations with Patient–Reported Outcome Measures in Pediatric Patients with Lower Limb Differences – *Luke Sang, BS*
- 8:12–8:17 a.m. Correction of Femoral Rotational Malalignment with Intramedullary Nailing: A Retrospective Review of PROMs and Complications
Sarah Hebert–Seropian, MD
- 8:18–8:23 a.m. Role of Psychological Resiliency in Predicting Pediatric Limb Lengthening and Reconstruction Outcomes – *Whitney M. Herge, PhD*
- 8:24–8:29 a.m. Comparison of Patient– and Parent–Reported Outcome Measures in Pediatric Limb Deformity Patients as Assessed by the LD–SRS
Marlee R. Yancey, BA
- 8:30–8:35 a.m. Impact of Limb Deformity Correction on Pediatric Quality of Life as Assessed by the LD–EOSQ and LD–SRS Patient–Reported Outcome Measures – *Marlee R. Yancey, BA*
- 8:36–8:45 a.m. Discussion

8:46–9:10 a.m.	Special Guest Lecture Generative Artificial Intelligence in Orthopedics <i>Alexander Cherkashin, MD</i>
9:11–9:50 a.m.	Session IX: Limb Lengthening I Moderator: David A. Podeszwa, MD
9:11–9:16 a.m.	The Impact of Multiple Limb Lengthening Procedures: A Single–Center Retrospective Study – <i>Akram Al Ramlawi, MD</i>
9:17–9:22 a.m.	Information Transparency for Elective Stature Lengthening Surgery: A Secret–Shopper Study – <i>Sanjeev Sabharwal, MD</i>
9:23–9:28 a.m.	Is It Safe to Drive During Femoral Limb Lengthening? A Prospective Study of Brake Reaction Performance – <i>Akram Al Ramlawi, MD</i>
9:29–9:34 a.m.	Humeral Lengthening in Patients with Achondroplasia: Clinical Results and Complications of Intramedullary Nailing and External Fixation <i>Michael W. Brown, BS</i>
9:35–9:40 a.m.	General Population Perceptions on Stature Lengthening – <i>Vivek Nair, MD</i>
9:41–9:50 a.m.	Discussion
9:51–9:55 a.m.	Presidential Guest Speaker Introduction
9:55–10:40 a.m.	Presidential Guest Speaker Ilizarov Method of Surgical Manipulation with Bone Length, Shape, and Structure <i>Mikhail Samchukov, MD</i>
10:41–10:45 a.m.	Presidential Guest Speaker Discussion
10:46–11:05 a.m.	Wellness Break – Stenton, Ballroom Foyer & Mount Vernon Visit Corporate Partners
11:06–11:39 a.m.	Session X: Osseointegration I Moderator: Lee Zuckerman, MD
11:06–11:11 a.m.	Primary Amputation with Osseointegration Versus Osseointegration for Existing Amputation – <i>S. Robert Rozbruch, MD</i>
11:12 –11:17 a.m.	Transcutaneous Osseointegration for Adults whose Amputations were Performed During Childhood – <i>Jason S. Hoellwarth, MD</i>
11:18–11:23 a.m.	Press–fit Osseointegration for Patients with Short Residual Bone <i>Mohamed Abdelaziz Elghazy, MD</i>
11:24–11:29 a.m.	Medium–term Outcomes of Transtibial Osseointegration in Association with Total Knee Replacement – <i>Munjed Al Muderis, MD</i>

11:30–11:39 a.m.	Discussion
11:40–12:10 p.m.	Session XI: Limb Lengthening II Moderator: Harold J. P. van Bosse, MD
11:40–11:45 a.m.	Outcomes Following Sequential Internal Lengthening of Long Bones: A Case Series – <i>Anirejuoritse Bafor, MD</i>
11:46–11:51 a.m.	Complication Rates in Cosmetic Bilateral Femoral Lengthening Using Intramedullary Lengthening Nails – <i>TBD</i>
11:52–11:57 a.m.	A Comparison of Automated and Manual Strut Adjustment Systems for Circular Frame Correction of Limb Deformity in Pediatric and Adolescent Patients – <i>David Cieremans, DO, MS</i>
11:58–12:03 p.m.	Gradual Distalization of Chronic High Dislocation of the Hip with Motorized Nail Before Arthroplasty in Anatomical Position – A Case Series <i>Mathias Mosfeldt, MD</i>
12:04–12:10 p.m.	Discussion
12:11 –12:31 p.m.	Deborah F. Stanitski LLRS Diversity Award <i>Marie Fridberg, MD, PhD</i>
12:32–12:55 p.m.	Session XII: Osseointegration II Moderator: David B. Frumberg, MD
12:32–12:37 p.m.	Safety and Early Experience of Osseointegration Limb Replacement with Custom-Fit Implants – <i>S. Robert Rozbruch, MD</i>
12:38–12:43 p.m.	Femur And Tibia Press-Fit Osseointegration – A Comparison of Safety and Outcomes – <i>Zachary Glassband, MD</i>
12:44–12:49 p.m.	Effect of BMI and Muscle Area Ratio on Complication Rate after Lower Extremity Osseointegration – <i>Mohamed Abdelaziz Elghazy, MD</i>
12:50–12:55 p.m.	Discussion
12:56–1:00 p.m.	Inaugural Hall of Fame Induction Introduction
1:00–1:30 p.m.	Inaugural Hall of Fame Induction* Stuart A. Green, MD – Introduced by John E. Herzenberg, MD – Introduced by Philip K. McClure, MD Dror Paley, MD – Introduced by
1:31–2:00 p.m.	President’s Remarks and Introduction of 2025–2026 President <i>Christopher A. Jobst, MD</i> and <i>Mitchell Bernstein, MD</i>