

Limb Lengthening and Reconstruction Society: ASAMI–North America

Agenda

Friday, July 15, 2022

- 7:00 a.m. Registration Opens
- 7:15–8:00 a.m. Continental Breakfast – Ballroom 1
Visit Corporate Partners
- 8:00–8:04 a.m. Welcome/Introduction/Disclosure
- 8:05–8:32 a.m. **Session I: Nonunion**
Moderator: Jessica C. Rivera, MD, PhD
- 8:05–8:11 a.m. Staged Treatment is Superior to Single Stage Treatment for Infected Humeral Nonunions – *Andrew Chen, MD*
- 8:12–8:18 a.m. Malnutrition is Predictive of Complications after Non–Union Fracture Repair of the Lower Extremity – *Anna Meyer*
- 8:19–8:25 a.m. Femoral Nonunion Exchange Nailing: Are we Getting Better Results Now?
Benjamin Averkamp
- 8:26–8:32 a.m. Discussion
- 8:33–9:08 a.m. **Session II: Basic Science**
Moderator: Christopher A. Iobst, MD
- 8:33–8:39 a.m. An Anatomic Study of the Proximal Tibial Epiphysis with Relevance to Percutaneous Epiphysiodesis using Transphyseal Screws (PETS)
Raymond W. Liu, MD
- 8:40–8:46 a.m. Triphasic Model for Human Growth – *Dror Paley, MD*
- 8:47–8:53 a.m. The Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on Lateral Elbow Radiographs – *Margaret A. Sinkler*
- 8:54–9:00 a.m. Biomimetic Hematoma: Novel Carrier Delivers Extremely Low Dose rhBMP–2 for Highly Effective Healing of Large Bone Defects in Goats
Vaida Glatt, MD
- 9:01–9:08 a.m. Discussion
- 9:09–9:54 a.m. **Session III: Osteotomy**
Moderator: Raymond W. Liu, MD
- 9:09–9:15 a.m. A Novel Osteotomy for Medial Osteoarthritis of the Knee Joint – Distal Tibial Tuberosity Focal Dome Osteotomy combined with Intra–Articular Condylar Osteotomy (Focal Dome Condylar Osteotomy): Technique and Preliminary Result – *Kentaro Igarashi*

- 9:16–9:22 a.m. Derotational Osteotomy of the Femur and/or Tibia for Youth with Anterior Knee Pain – *Marianne Gagnon*
- 9:23–9:29 a.m. Distal Femoral Osteotomy for the Correction of Valgus Deformity Using the Modified Reverse Planning Method
Christopher A. Iobst, MD
- 9:30–9:36 a.m. Tibial Osteotomy Surgery Safety Profile – *S. Robert Rozbruch, MD*
- 9:37–9:43 a.m. Bilateral Distal Femoral Osteotomy in Patients with Valgus Deformity Results in Improved Outcome Scores – *Amber A. Hamilton*
- 9:44–9:54 a.m. Discussion
- 9:55–10:15 a.m. Refreshment Break – Ballroom 1
Visit Corporate Partners
- 10:16–11:01 a.m. **Session IV: Practice Management**
Moderator: Harold J.P. van Bosse, MD
- 10:16–10:22 a.m. Early Experience with Robotic Autostrut–Controlled Hexapod External Fixators – *S. Robert Rozbruch, MD*
- 10:23–10:29 a.m. Fully Automated Analysis of the Anatomical and Mechanical Axes from Pediatric Standing Lower Limb Radiographs using Convolutional Neural Networks – *Yousif Murad*
- 10:30–10:36 a.m. Outpatient Orthopaedic Trauma and Limb Deformity Surgery: Is it Safe?
Benjamin Averkamp
- 10:37–10:43 a.m. Inter and Intra–Rater Reliability of the Checketts Grading System for Pin Site Infections across All Skin Colours – *Rosalind Groenewoud*
- 10:44–10:50 a.m. Current Procedural Terminology (CPT) Coding in Pediatric Limb Reconstruction Surgery – *Christopher A. Iobst, MD*
- 10:51–11:01 a.m. Discussion
- 11:02–11:47 p.m. **Session V: Internal Lengthening Nails**
Moderator: David Frumberg, MD
- 11:02–11:08 a.m. Radiographic Changes without Symptoms Predominate Following Limb Lengthening with a Weight Bearing Lengthening Nail
Taylor J. Reif, MD
- 11:09–11:15 a.m. Treatment of Angular Deformity and Limb Length Discrepancy with a Retrograde Femur Magnetic Intramedullary Nail: Fixator–Assisted, Blocking Screw Technique – *Erik J. Geiger, MD*

- 11:16–11:22 a.m. Performance and Complications of a Titanium Internal Lengthening Nail: A Retrospective Review of 286 Bone Lengthening Events
Taylor J. Reif, MD
- 11:23–11:30 a.m. Use of the Antegrade Femoral Nail in Pediatric Patients
Adam D. Geffner
- 11:31–11:36 a.m. Early Weight–Bearing Accelerates Regenerate Bone Mineralization: A Pilot Study Comparing Two Postoperative Weight–Bearing Protocols following Intramedullary Limb Lengthening using the Pixel Value Ratio –
Christopher A. Iobst, MD
- 11:37–11:47 a.m. Discussion
- 11:48–12:40 p.m. Lunch – Ballroom 1
Visit Corporate Partners
- 12:41–1:15 p.m. **Session VI: Pediatrics**
Moderator: L. Reid Nichols, MD
- 12:41–12:46 p.m. The Effectiveness of Serial Casting in the Treatment of Recurrent Equinovarus in Children with Arthrogyrosis – *L. Reid Nichols, MD*
- 12:47–12:53 p.m. The Fate of Bent Telescopic Rods in Children with Osteogenesis Imperfecta: Do All Bent Rods Need to be Revised?
Jeanne Franzone, MD
- 12:54–1:00 p.m. How Does Femoral Varus Deformity Respond to Guided Growth in Blount Disease? – *Janet L. Walker MD*
- 1:01–1:06 p.m. Achondroplasia: The Ruse of Rhizomelia – *Aaron J. Huser, DO*
- 1:07–1:15 p.m. Discussion
- 1:16–2:00 p.m. Presidential Guest Lecture
Change
John Gerard Birch, MD
- 2:01–2:20 p.m. Refreshment Break – Ballroom 1
Visit Corporate Partners
- 2:21–2:55 p.m. **Session VII: Osteointegration**
Moderator: Stephen M. Quinnan, MD
- 2:21–2:26 p.m. Removal of Press–Fit Transtibial Osseointegration Implants: A Discussion of Risk Factors and Outcomes – *Germane Ong*
- 2:27–2:33 p.m. Transcutaneous Osseointegration for Amputees with Short Residual Bone: Is there Increased Risk for Complications?
Jason Shih Hoellwarth, MD

2:34–2:40 p.m. Transfemoral Osseointegration for Amputees with Diabetes Mellitus
Shakib Al-Jawazneh

2:41–2:46 p.m. Developing an Infection Criteria for Osseointegration
Shafaf Hasin Alam

2:47–2:55 p.m. Discussion

2:56–3:05 p.m. **Traveling Fellowship Presentation**
Introduction by Jaclyn F. Hill, MD
Ahmed Hammouda, MD
Carlito “Jun” Valera, MD

3:06–3:45 p.m. Business Meeting – **LLRS Members only**

4:15 p.m. Buses depart for President’s Reception
Board bus at the corner of SW 6th Avenue and SW Salmon Street
Across 6th Avenue from hotel

5:00 p.m. **President’s Reception**

9:00 p.m. Buses depart to return to hotel

Saturday, July 16, 2022

7:15 a.m. Registration Opens

7:15–8:00 a.m. Continental Breakfast – Ballroom 1
Visit Corporate Partners

8:00–8:05 a.m. Announcements – Ballroom 2

8:06–8:42 a.m. **Session VIII: Pediatric Growth**
Moderator: Jaclyn F. Hill, MD

8:06–8:12 a.m. The Modified Fels Knee Skeletal Maturity System in Prediction of Leg–
Length Discrepancy – *Dylan Kluck, MD*

8:13–8:19 a.m. Comparison of “Human” and Artificial Intelligence Hand–and–Wrist
Skeletal Age Estimation in an Epiphysiodesis Cohort
Marina R. Makarov, MD

8:20–8:26 a.m. Does the Technique of Lengthening Effect Physeal Growth in Patients with
Achondroplasia? A Comparison of the Simultaneous and Consecutive
Surgery – *Fikret Berkan Anarat*

8:27–8:33 a.m. Can Zometa Lines be Used to Study Growth in Patients with Congenital
Pseudarthrosis of the Tibia? – *Katherine Miller*

8:34–8:42 a.m. Discussion

- 8:43–9:05 a.m. The History of ASAMI: North America and ASAMI International
Dror Paley, MD
- 9:06–9:19 a.m. Discussion
- 9:20–9:30 a.m. Memorial of James C. Binski, MD – *John D. Wyrick, MD*
- 9:30–10:00 a.m. Refreshment Break – Ballroom 1
Visit Corporate Partners
- 10:01–10:20 a.m. Poster Session – please visit each poster
- 10:21–10:57 a.m. **Session IX: Trauma and Foot/Ankle**
Moderator: J. Spence Reid, MD
- 10:21–10:27 a.m. Validation of a Novel Bone Defect Classification
Geoffrey Marecek, MD
- 10:28–10:34 a.m. Fibular Displacement Predicts Tibial Malrotation in Simulated Tibia–
Fibula Fractures – *Geoffrey Marecek, MD*
- 10:35–10:41 a.m. A Clinical Comparison of Complex Ankle Arthrodesis using 2 Fixation
Techniques: Ilizarov External Fixation versus Intramedullary Arthrodesis
Nail – *Austin T. Fragomen, MD*
- 10:42–10:48 a.m. Increased Posterior Tibial Slope Increases Difficulty for Suprapatellar
Nailing – *Anna Meyer*
- 10:49–10:57 a.m. Discussion
- 10:58–11:34 a.m. **Session X: Miscellaneous**
Moderator: Mitchell Bernstein, MD
- 10:58–11:04 a.m. Correlation Between Femoral Neck Version, Sagittal Femoral Bowing
Angle, and Sagittal Offset of the Femoral Head from the Distal Femur Axis
in an Osteological Collection – *Dedi Ho*
- 11:05–11:11 a.m. Survey of Adult Function after Blount Disease in Childhood: An Exercise
in Futility? – *John Gerard Birch, MD*
- 11:12–11:18 a.m. Publications Rates of Abstracts Presented at LLRS Annual Meetings
Tara Korbal, BA
- 11:19–11:25 a.m. Ipsilateral Healthy Segment Response to Leg Length Discrepancy
John Gerard Birch, MD
- 11:26–11:34 a.m. Discussion
- 11:35 a.m.–12:00 p.m. President’s Remarks and Introduction of 2022–2023 President
Raymond W. Liu, MD and *L. Reid Nichols, MD*