

# Limb Lengthening and Reconstruction Society

Association for the Study and Application of the Methods of Ilizarov–North America

## Agenda

Friday – July 19, 2019

- 7:15 a.m. Registration Opens
- 7:15–8:00 a.m. Continental Breakfast – Rostrum/Ballroom Foyer  
*Visit Corporate Partners*
- 8:00–8:05 a.m. Welcome/Introduction/Disclosure  
*J. Spence Reid, MD and Austin T. Fragomen, MD*
- Session I: Foot and Ankle/Upper Extremity**  
Moderator: Douglas Beaman, MD
- 8:05–8:11 a.m. Subtalar Distraction Arthroplasty, A New Joint Preservation Technique  
*Ali Ghasemi*
- 8:12–8:18 a.m. Integrated Reconstruction for Chronic Foot Dislocations  
*Douglas Beaman, MD*
- 8:19–8:25 a.m. Limb Salvage Reconstruction by Ankle Arthrodesis and Lengthening Using Intramedullary Nailing of the Tibia – *Sherif Dabash, MD*
- 8:26–8:32 a.m. Lengthening of the Humerus using a Motorized Lengthening Nail: A Retrospective Comparative Series – *Stewart G. Morrison, MBBS*
- 8:33–8:41 a.m. Discussion
- Session II: Basic Science/Infection I**  
Moderator: Raymond W. Liu, MD
- 8:42–8:48 a.m. Retrograde Femoral Nailing Through an Open Physis does not Impair Growth in Pigs – *Ahmed Abdul-Hussein Abood, MD*
- 8:49–8:55 a.m. Reverse Dynamization Accelerated Bone Healing in a Large Animal Osteotomy Model – *Christopher A. Iobst, MD*
- 8:56–9:02 a.m. Effect of Wire Tip Design and Material on the Wire Temperature during Drilling – *Kelsey Millonig, DPM, MPH*
- 9:03–9:09 a.m. An MRI Based Study on Whether the Patella is Truly Centered between the Femoral Condyles in the Coronal Plane – *Nihar Shah*
- 9:10–9:18 a.m. Discussion

**Session II: Basic Science/Infection II**

Moderator: Austin T. Fragomen, MD

- 9:19–9:25 a.m. Biological Activity of Human Induced Membranes: Temporal Differences Between Femoral and Tibial Sites – *Kevin Tetsworth, MD*
- 9:26–9:32 a.m. Intramedullary Antibiotic Depot does not Preclude Successful Intramedullary Lengthening or Compression  
*Jessica C. Rivera, MD, PhD*
- 9:33–9:39 a.m. Predictors of Successful Limb Salvage for Patients with Chronic Osteomyelitis of the Tibia and Ankle – *Aaron Lam, MD*
- 9:40–9:46 a.m. Biomechanical Comparison of Compression Plating versus an Electromagnetic Intramedullary Nail in Compression Utilizing a Femoral Sawbones Model – *Alex Mierke, MD*
- 9:47–9:55 a.m. Discussion
- 9:56–10:15 a.m. Refreshment Break – Rostrum/Ballroom Foyer  
*Visit Corporate Partners*

**Session III: Tumor/Miscellaneous I**

Moderator: Lee M. Zuckerman, MD

- 10:16–10:22 a.m. Bioexpandable Prostheses Bone Lengthening after Resection of Malignant Bone Tumors in Children – *Prof. Rainer Baumgart*
- 10:23–10:29 a.m. Immediate, All Internal Distraction Osteogenesis after Tumor Resection *Lee M. Zuckerman, MD*
- 10:30–10:36 a.m. Biological Reconstruction with Bone Transport after Resection of Malignant Bone Tumors – *Prof. Rainer Baumgart*
- 10:37–10:43 a.m. Explanted Magnetic Nails: Can They Be Reactivated?  
*John E. Herzenberg, MD*
- 10:44–10:52 a.m. Discussion

**Session III: Tumor/Miscellaneous II**

Moderator: Kevin W. Louie, MD

- 10:53–10:59 a.m. Proximal Tibial Osteotomy for Genu Varum: Deformity Correction with Plate versus External Fixator – *Ali Ghasemi*

- 11:00–11:06 a.m. High Dose NSAIDS after Osteotomy Surgery Reduce Opioid Consumption without Affecting Bone Healing  
*Austin T. Fragomen, MD*
- 11:07–11:13 a.m. Dilute Peripheral Nerve Catheters: A Unique Method to Decrease Postoperative Narcotic Usage in Limb Reconstruction Patients  
*Christopher A. Iobst, MD*
- 11:14–11:21 a.m. Prevalence of Vitamin D Deficiency in Limb Lengthening Patients  
*Jessica C. Rivera, MD, PhD*
- 11:22–11:29 a.m. Discussion
- 11:30 a.m.–12:15 p.m. **Presidential Guest Lecture**  
*Think Beyond the Extremities – Complications in Skeletal Dysplasia*  
  
*William G. Mackenzie, MD, FRCSC, FACS*  
The Shands and MacEwen Endowed Chair of Orthopaedics  
Chairman Department of Orthopaedic Surgery,  
Nemours/Alfred I. duPont Hospital for Children  
Professor of Orthopaedic Surgery,  
Sidney Kimmel Medical College at Thomas Jefferson University
- 12:15–1:10 p.m. Lunch
- Session IV: Internal Lengthening Nails**  
Moderator: S. Robert Rozbruch, MD
- 1:16–1:22 p.m. Results of Retrograde, Femoral Lengthening and Using the Reverse Planning Method – *Aaron J. Huser, DO*
- 1:23–1:29 p.m. Magnetic Nails: Mechanical Failure Rate and Types of Failures Observed in 245 Limb Segments – *John E. Herzenberg, MD*
- 1:30–1:36 p.m. Going to Great Lengths for the Elderly: Nail Lengthening Over 60  
*K. Patrick Powell, MD*
- 1:37–1:43 p.m. The Accuracy of Blocking Screw Assisted Intramedullary Nailing for Limb Lengthening and Deformity Correction – *Sherif Dabash, MD*
- 1:44–1:52 p.m. Discussion
- 1:53–2:40 p.m. **Difficult Case Presentation**  
Moderator: Joseph R. Hsu, MD  
*Joseph R. Hsu, MD*  
*J. Spence Reid, MD*

- 2:41–3:00 p.m. Refreshment Break – *Visit Corporate Partners*
- 3:00–3:15 p.m. **Clinician Scholar Career Development Program Presentation**  
*Wendy Ramalingam, MD*
- Session V: Trauma I**  
Moderator: Stephen M. Quinnan, MD
- 3:16–3:22 p.m. The Utility of Routine Cultures in Low Risk Nonunion Surgeries  
*Joseph R. Hsu, MD*
- 3:23–3:29 p.m. ON Path: Outpatient Nonunion Pathway: Surgical Tactic and Pathway  
*Joseph R. Hsu, MD*
- 3:30–3:36 p.m. Prospective Observational Study of an Integrated Therapeutic Initiative for Extremities (POSITIVE): Implementation of an Integrated Orthotic and Rehabilitation Program in the Civilian Setting – *Andrew D. Wohler*
- 3:37–3:43 p.m. Intentional Temporary Deformity in Type IIIA and IIIB Tibia Fractures with Hexapod Frame to Assist in Soft Tissue Coverage  
*J. Spence Reid, MD*
- 3:44–3:52 p.m. Discussion
- 3:53–4:45 p.m. Business Meeting – *LLRS Members only*
- 5:45 p.m. Buses depart for President’s Reception – exit hotel onto Trinity Place
- 6:30–8:30 p.m. **President’s Reception**  
Isabella Stewart Gardner Museum  
25 Evans Way  
Boston, MA 02115
- 8:45 p.m. Buses depart for Fairmont Copley Plaza from front of Museum

Saturday – July 20, 2019

- 7:15 a.m. Registration Opens
- 7:15–8:00 a.m. Continental Breakfast – Rostrum/Ballroom Foyer  
*Visit Corporate Partners*
- 8:00–8:05 a.m. Announcements
- Session VI: Trauma II**  
Moderator: Mitchell Bernstein, MD
- 8:06–8:12 a.m. Plate Assisted Bone Segment Transport Utilizing a Magnetic Intramedullary Limb Lengthening System: Five Patients  
*Kory D. Blank, MD*
- 8:13–8:19 a.m. Plate Assisted Bone Segment Transport in the Femur Using a Magnetic Internal Lengthening Nail – *John D. Wyrick, MD*
- 8:20–8:26 a.m. Single versus Double Level Corticotomy for the Treatment of Segmental Tibia Bone Defect Using the Balanced Cable Transport and Then Nailing Method – *Stephen M. Quinnan, MD*
- 8:27–8:33 a.m. Balanced Cable Transport with Circular External Fixation and Then Nailing for Segmental Tibia Bone Defects – *Stephen M. Quinnan, MD*
- 8:34–8:42 a.m. Discussion
- 8:43–9:45 a.m. **Alessandro Codivilla Presentation**  
*What Limb Trauma Patients Can Teach Surgeons – Lessons from the Boston Marathon Bombing*  
  
*Patrick Downes, PsyD*  
*Jessica Kensky, RN*
- 9:45–10:00 a.m. Refreshment Break – Rostrum/Ballroom Foyer  
*Visit Corporate Partners*
- 10:01–10:30 a.m. Poster Session – *please visit the posters in the back of the meeting room*
- Session VI: Pediatrics I**  
Moderator: David Podeszwa, MD
- 10:31–10:38 a.m. The Use of Growth Modulation in Conjunction with Motorized, Internal, Femoral Lengthening in Patients with Congenital Femoral Deficiency – *Aaron J. Huser, DO*

- 10:39–10:46 a.m. Correction of the Lower Extremity Mechanical Axis Deviation in Children with Angular Deformities of the Knee treated with Guided Growth Hemiepiphysiodesis – *Oussama Abousamra, MD*
- 10:47–10:54 a.m. Foot Height Difference Does Contribute to Ultimate Leg Length Discrepancy in Fibular Hemimelia Patients – *Ashley Startzman, DO*
- 10:55–11:02 a.m. Comparison of the White–Menelaus and Anderson–Green Predictions of Growth Remaining in the Distal Femur and Proximal Tibia  
*Marina Makarov, MD*
- 11:03–11:13 a.m. Discussion
- Session VI: Pediatrics II**  
Moderator: Jill C. Flanagan, MD
- 11:14–11:21 a.m. Proximal Tibia Vara is a Hidden Deformity in a Subset of Patients with Congenital Posteromedial Bowing of the Tibia  
*Jeanne M. Franzone, MD*
- 11:22–11:29 a.m. Current Use of Patient–Reported Outcomes in Pediatric Limb Deformity Research – *Kouami Amakoutou, MD*
- 11:30–11:37 a.m. Syme Amputation: Is there an Ideal Limb Length Discrepancy?  
*Stewart G. Morrison, MBBS*
- 11:38–11:48 a.m. Discussion
- 11:49 a.m.–12:10 p.m. President’s Remarks and Introduction of 2019–2020 President  
*J. Spence Reid, MD* and *Austin T. Fragomen, MD*

**29<sup>th</sup> Annual Scientific Meeting**  
**July 17 & 18, 2020**  
**Convene One Liberty Plaza**  
**New York, NY**