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. **Clinicin 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*

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29th Annual Scientific Meeting
July 17 & 18, 2020
Convene One Liberty Plaza
New York, NY