

Limb Lengthening and Reconstruction Society

27<sup>th</sup> Annual Scientific Meeting

Hilton Union Square – San Francisco, CA

Friday – July 13, 2018

- 7:15–8:00 a.m. Registration, Continental Breakfast  
*Visit Corporate Partners*
- 8:00–8:05 a.m. Welcome/Introduction
- 8:05–9:18 a.m. **Session I: Pediatrics – General**  
Moderator:
- 8:05–8:11 a.m. Is Bony Knee Alignment Representative of the True Joint Surface in Skeletally Immature Patients? An MRI Study – *Raymond Liu, MD*
- 8:12–8:18 a.m. Results of Physeal Bar Resection at a Single Pediatric Institution  
*David A. Podeszwa, MD*
- 8:19–8:25 a.m. OCD–Like Distal Femoral Lesions in Children with Blount Disease: What is the Clinical Relevance? – *Sanjeev Sabharwal, MD*
- 8:26–8:32 a.m. Evaluation of Skeletal Maturity using Distal Femoral Physis Central Peak – *Derrick M. Knapik, MD*
- 8:33–8:41 a.m. Discussion
- 8:42–8:48 a.m. A Pilot Study to Assess Dynamic Deformation of the Femoral Head During Weight Bearing in Legg–Calves–Perthes Disease  
*Anthony Cooper*
- 8:49–8:55 a.m. Perceptions and Attitudes Towards Children with Orthopaedic Devices  
*Anthony Cooper*
- 8:56–9:02 a.m. Prediction of Radial Head Subluxation in MHE  
*Jaroslav M. Deszczynski, Jr., MD*
- 9:03–9:09 a.m. Use of Hexapod Frames to Gradually Correct Congenital and Acquired Forearm Deformity – *S. Robert Rozbruch, MD*
- 9:10–9:18 a.m. Discussion

- 9:19–9:55 a.m.      **Session II: Trauma**  
Moderator: J. Spence Reid, MD
- 9:19– 9:25a.m.      Limb Salvage after Grade 3C open fractures of the Lower Extremity  
*Emre Ozmen*
- 9:26–9:32 a.m.      Reconstructive Rotational Flaps in Posttraumatic Soft Tissue Defects in  
Lower Limbs – *Mirna Ochoa*
- 9:33–9:39 a.m.      Treatment of Open Distal Tibia Intra–articular Fractures (OTA/AO 43)  
with Circular External Fixators: Multicenter Report of 57 Cases  
*Dr. Ahmed Thabet*
- 9:40 –9:46 a.m.      The Results of Antibiotic Cement–Coated interlocking Intramedullary  
Nails in Complex Lower Extremity Reconstruction – *Asim Mahkdom*
- 9:47–9:55 a.m.      Discussion
- 9:55–10:15 a.m.      Refreshment Break – *Visit Corporate Partners*
- 10:16–11:10: a.m.      **Session III: Basic Science**  
Moderator:
- 10:16–10:22 a.m.      Mitigating Pathologic Fibrosis following Volumetric Muscle Loss in a  
Porcine Model – *Jessica C. Rivera, MD*
- 10:23–10:29 a.m.      Comparative Performance of Conventional Drills and Drills with  
Controlled Advancement and Real Time Feedback  
*Alexander Cherkashin, MD*
- 10:30–10:36 a.m.      Circular External Fixation: Effect of Dynamization Modules on Bone  
Segment Vertical and Lateral Displacement – *Mikhail Samchukov, MD*
- 10:37–10:43 a.m.      Behavior of Intramedullary Implants across the Distal Femoral Growth  
Plate: Preliminary Results from a Sheep Model  
*Chang–Yeon Kim, MD*
- 10:44–11:00 a.m.      Effect of Controlled Axial Dynamization on Experimental Midshaft  
Tibial Fracture Healing on Goats: Preliminary Results  
*Christopher A. Iobst, MD*
- 11:00–11:10 a.m.      Discussion

- 11:10 a.m.–11:45 a.m. Alessandro Codivilla Presentation  
The Wak Talk  
*Catherine Hicks*  
Animator  
Pixar Animation Studios
- 11:45–12:45 p.m. Lunch
- 12:45– 1:29 p.m. **Session IV: Distraction Osteogenesis**  
Moderator:
- 12:45–12:51 p.m. Tibial Lengthening Index and Complications by Use of Spatial Frame  
or Ilizarov External Fixator in Acondroplasia Patients  
*Halil Ibrahim Balci*
- 12:52–12:58 p.m. Long Term Functional and Psychological Outcomes of Patients  
Undergoing Femoral Lengthening Using the Ilizarov Technique  
*David A. Podeszwa, MD*
- 12:59–1:05 p.m. Short and Intermediate Term Function after Distraction Osteogenesis  
for Bone Reconstruction in the Upper and Lower Extremity  
*Molly Friel Klima*
- 1:06–1:12 p.m. Tibia–slope Control Using a Distraction Nail  
*Professor Rainer Baumgart*
- 1:13–1:19 p.m. The Current Surgical Treatments of Leg Length Discrepancy after Total  
Hip Arthroplasty – *Asim Makhdom*
- 1:19–1:29 p.m. Discussion
- 1:30–1:58 p.m. **Session V: Foot**  
Moderator:
- 1:30–1:36 p.m. The Use of Circular External Fixation for Gradual Correction of Ankle  
Contractures – *Austin T. Fragomen, MD*
- 1:37–1:43 p.m. Ankle Joint Preservation with Distraction Arthroplasty: Joint  
Survivorship Analysis – *Douglas Beaman, MD*
- 1:44–1:55 p.m. Discussion
- 1:56–2:20 p.m. Refreshment Break – *Visit Corporate Partners*
- 2:20–2:35 p.m. **Clinician Scholar Career Development Program Presentation**  
*Stephen J. Wallace, MD*

- 2:36–3:11 p.m.      **Session VI: Limb Deficiency**  
Moderator:
- 2:36–2:42p.m.      Variable Location of Posterior Neurovascular Bundle in Fibular Hemimelia: A Magnetic Resonance Imaging Study – *Aaron Huser*
- 2:43–2:49 p.m.      Hip Dysplasia – Reduction of Proximal Migration Before Arthroplasty Using a Fully Implantable Motorized Distraction Nail  
*Professor Rainer Baumgart*
- 2:50–2:56 p.m.      Congenital Femoral Deficiency: Comparison of the Effect of Distraction Index Regard to the Quality of Callus and Rate of Complications – *Halil Ibrahim Balci*
- 2:57–3:03 p.m.      Congenital Pseudarthrosis of Tibia (CPT): Comparison of the Effect of Lengthening Rhythm to the Quality of Callus and Complications  
*Halil Ibrahim Balci*
- 3:03–3:11 p.m.      Discussion
- 3:11–4:15 p.m.      **Session VII: Difficult Case Presentations**  
Moderator:
- 4:16–5:00 p.m.      Business Meeting – *LLRS Members Only*
- 6:15–8:15 p.m.      **President’s Reception – Academy of Sciences**  
*Buses depart from Taylor Street at 5:30 p.m.*  
*Buses return to Hilton Union Square at 8:45 p.m.*

Saturday – July 14, 2018

- 7:45–8:30 a.m. Registration, Continental Breakfast  
*Visit Corporate Partners*
- 8:30–9:00 a.m. **LLRS Traveling Fellowship Report**  
Moderator: Joseph R. Hsu, MD  
*Dr. Anirejuoritse Bafor*  
*Jamie Ferguson, MD*  
*Andreia Nunes, MD*  
*Jessica C. Rivera, MD*
- 9:01–10:24 a.m. **Session VIII: Potpourri**  
Moderator:
- 9:01–9:07 a.m. The Magnetic Intramedullary Compression Nail for the Treatment of Long Bone Nonunions – *Austin T. Fragomen, MD*
- 9:08–9:14 a.m. Hexapod Frame Mounting Parameters: Comparison of Different Measurement Techniques – *Alexander Cherkashin, MD*
- 9:15–9:21 a.m. Patient Reported Activity Outcomes do not Correlate with Objective Measures of Activity – *David A. Podeszwa, MD*
- 9:22–9:28 a.m. Carbon Fiber Reinforced IM Nails Perform Poorly in Limb Deformity Surgery – *Austin T. Fragomen, MD*
- 9:29–9:35 a.m. Tranexamic Acid Reduces Postoperative Blood Loss in Distal Femoral Osteotomy – *S. Robert Rozbruch, MD*
- 9:36–9:46 a.m. Discussion
- 9:47–9:53 a.m. Gait Analysis in Children with Proximal Femoral Focal Deficiency  
*Lorena Floccari, MD*
- 9:54–10:00 a.m. Fibular Osteotomy Techniques: LLRS Survey Results  
*Christopher A. Iobst, MD*
- 10:01–10:07 a.m. Controlling the Taylor Spatial Frame in Proximal Tibial Fractures: A Comparison of Standard Technique and TraumaCad 3.0  
*Andy Sems, MD*
- 10:08–10:14 a.m. Blocking Screw–Assisted Nail Guidance in Lower Limb Deformity Correction – *Sarah N. Pierrie, MD*
- 10:14–10:24 a.m. Discussion

10:25–11:00 a.m.	<b>Session IX: Pediatrics – Arthrogyriposis</b> Moderator: Christopher A. Iobst, MD
10:25–10:31 a.m.	Improving Knee Range of Motion on Arthrogyriptic Knee <i>David S. Feldman, MD</i>
10:32–10:38 a.m.	Correction of Mild to Moderate Arthrogyriptic Knee Flexion Contractures with Guided Growth – <i>Harold J. P. van Bosse, MD</i>
10:39–10:45 a.m.	Treatment of Severe Knee Flexion Contractures in Patients with Arthrogyriposis – <i>Harold J. P. van Bosse, MD</i>
10:46 – 10:52 a.m.	Does Open Reduction of Arthrogyriptic Hips Cause Stiffness? <i>Harold J. P. van Bosse, MD</i>
10:52–11:00 a.m.	Discussion
11:01–11:20 a.m.	Refreshment Break – <i>Visit Corporate Partners</i>
11:21–12:15 a.m.	Presidential Guest Speaker <i>Mark T. Dahl, MD</i> St. Croix Orthopaedics
12:16–12:35 p.m.	Announcements, Closing Comments

**28<sup>th</sup> Annual Scientific Meeting**  
**July 19 & 20, 2019**  
**Fairmont Copley Plaza**  
**Boston, MA**