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 – Jaroslaw 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

9:19–9:25 a.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*

*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:

2:36–2:42 p.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. **Session IX: Pediatrics – Arthrogryposis**
Moderator: Christopher A. Iobst, MD

10:25–10:31 a.m. Improving Knee Range of Motion on Arthrogrypic Knee
*David S. Feldman, MD*

10:32–10:38 a.m. Correction of Mild to Moderate Arthrogrypic Knee Flexion Contractures with Guided Growth – *Harold J. P. van Bosse, MD*

10:39–10:45 a.m. Treatment of Severe Knee Flexion Contractures in Patients with Arthrogryposis – *Harold J. P. van Bosse, MD*

10:46 – 10:52 a.m. Does Open Reduction of Arthrogrypic Hips Cause Stiffness? *Harold J. P. van Bosse, MD*

10:52–11:00 a.m. Discussion

11:01–11:20 a.m. Refreshment Break – *Visit Corporate Partners*

11:21–12:15 a.m. Presidential Guest Speaker
*Mark T. Dahl, MD*
St. Croix Orthopaedics

12:16–12:35 p.m. Announcements, Closing Comments

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