Limb Lengthening and Reconstruction Society
Association for the Study and Application of the Methods of Ilizarov–North America
26th Annual Scientific Meeting
Agenda

Friday, July 21, 2017

7:30–8:00 a.m. Continental Breakfast
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8:00–8:10 a.m. Welcome, Disclosure – Kevin Louie, MD and Karl E. Rathjen, MD

Session 1 Pediatrics I
Moderator – Christopher A. Iobst, MD

8:10–8:16 a.m. Timing of Epiphysiodesis to Correct Leg Length Discrepancy: A Comparison of Prediction Methods – John G. Birch, MD

8:17–8:23 a.m. Is Proximal Fibula Epiphysiodesis Necessary When Performing a Proximal Tibial Epiphysiodesis? – David Podeszwa, MD

8:24–8:30 a.m. Limb Lengthening and Reconstruction in Pseudoachondroplasia David S. Feldman, MD

8:31–8:37 a.m. Hemiepiphysiodesis for Lower Deformity in Pseudoachondroplasia Indications, Results and Pitfalls of Treatment – David S. Feldman, MD

8:37–8:45 a.m. Discussion

8:46–8:52 a.m. Strategies in the Management of Genu Recurvatum Deformity Anthony Cooper, MD

8:53–8:59 a.m. Langenskiöld Procedure for Chronic and Recurrent Patellar Dislocation Scott C. Nelson, MD

9:00–9:06 a.m. Outcomes Following Physeal Stapling Versus Tension Band Plating in Genu Valgum: A Systematic Review – Derrick M. Knapik, MD

9:07–9:13 a.m. Intertrochanteric Varus and Valgus Osteotomies Do Not Create Femoral Torsion – Harold JP van Bosse, MD

9:13–9:21 a.m. Discussion

Session 2 Adult Deformity/Reconstruction
Moderator – Kevin Louie, MD

9:21–9:27 a.m. The Association of Femoral Neck Shaft Angle and Degenerative Disease of the Hip in a Cadaveric Population – Leigh–Anne Tu, MD

9:28–9:34 a.m. FAN technique in High Tibial Osteotomy Fixation with Early Follow–up Results – Levent Bayam MRCS(Ed)
9:35–9:41 a.m. The Distal Femur Trochlear Groove Appears to Compensate for Tibial Deformity but Not Femoral Deformity in an Investigation of 579 Skeletons – Joanne H. Wang, MD

9:41–9:49 a.m. Discussion

9:49–9:55 a.m. Total Hip Arthroplasty and Femoral Nail Lengthening for Hip Dysplasia and Limb Length Discrepancy – Elizabeth Harkin, MD

9:56–10:02 a.m. Feasibility of Correcting the Mechanical Axis in Large Varus Deformities with Medial Unicompartmental Knee Arthroplasty – S. Robert Rozbruch, MD


10:09–10:17 a.m. Discussion

10:17–10:32 a.m. Refreshment Break

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Session 3  
Lengthening
Moderator – Raymond Liu, MD


10:40–10:46 a.m. A Comparison of Tibia Lengthening Techniques: Internal Lengthening, Lengthening and Then Nailing and Classic Ilizarov – Thomas D. Falls, MD

10:47–10:53 a.m. Management of the Proximal Tibiofibular Joint in Tibial Lengthening – Anthony Cooper, MD

10:54–11:04 a.m. Discussion

11:04–11:10 a.m. Resolution Axis Planning Method for Femoral Lengthening & Deformity Correction (A New Method) – Sherif Galal Hassan, MD, PhD

11:11–11:17 a.m. Functional and Psychological Effects of Stature Lengthening Surgery – Michael J. Assayag, MD

11:18–11:24 a.m. Distal Femoral Flexion Deformity from Growth Disturbance Treated with a Two–Level Osteotomy and Internal Lengthening Nail – Austin T. Fragomen, MD
11:24–11:34 a.m. Discussion

11:35 a.m. –12:20 p.m. **Alessandro Codivilla Guest Lecture**
“The Evolution of Medical Technology”
*Stuart A. Green, MD*

12:20–1:45 p.m. **Luncheon**

**Session 4 Biomechanics/Research/Tumor**
Moderator – *Mitchell Bernstein, MD*

1:45–1:51 p.m. External Support Deformation due to Wire Tensioning
*Christopher A. Iobst, MD*

1:52–1:58 p.m. Real Time Monitoring of Frame Forces during Regenerate Consolidation – *J. Spence Reid, MD*

1:59–2:05 p.m. Effect of Unconventional Struts Attachment on the Result of Correction in Hexapod External Fixation – *Alexander Cherkashin, MD*

2:05–2:13 p.m. Discussion

2:13–2:19 p.m. Medial Knee Compartment Contact Pressure Reduces across the Gait Cycle – *S. Robert Rozbruch, MD*

2:20–2:26 p.m. The Ectopic Induced Membrane and its Use in Promoting Bone Formation and Healing in Segmental Defects – *John A. Ruder, MD*

2:27–2:33 p.m. Acellular Biological Scaffold Repair Does Not Overcome the Pathobiology of Volumetric Muscle Loss Injury – *Jessica C. Rivera, MD*

2:34–2:40p.m. Adjunctive Immunomodulation Improves Efficacy of Autologous Minced Muscle Graft in a Porcine Model of Volumetric Muscle Loss *Jessica C. Rivera, MD*

2:40–2:48 p.m. Discussion

2:48 –2:54 p.m. Indication and Outcomes of Peroneal Nerve Releases in Patients with Multiple Hereditary Exostoses – *David Feldman, MD*

2:55 –3:01 p.m. Use of Magnetic Growing Intramedullary Nails with an Intercalary Allograft for Reconstruction after Tumor Resection *Lee Zuckerman, MD*

3:02–3:08 p.m. A Preliminary Comparison of Carbon Fiber Reinforced versus Titanium Plates in Distal Femoral Osteotomy *Austin T. Fragomen, MD*
3:08–3:16 p.m. Discussion

3:16–3:30 p.m. Refreshment Break
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Session 5 Trauma
Moderator – J. Spence Reid, MD

3:30–3:36 p.m. CT–Based Assessment of Articular Fracture Severity and Limb Retention
Jessica C. Rivera, MD


3:44–3:50 p.m. Teaching Cortical Screw Insertion: Evaluation of a Simple, Affordable, Torque–Directed Training Protocol to Avoid Stripping
J. Stewart Buck, MD

3:50–3:58 p.m. Discussion

3:58–4:04 p.m. Prescription Reporting with Immediate Medication Utilization Mapping (PRIMUM): Impact of an Alert on Controlled Substance Prescribing
Rachel B. Seymour, PhD

4:05–4:11 p.m. Quantitative Assessment of the Effect of Energy–storing Bracing for Lower Extremity Trauma Patients – Richard Peindl, PhD

4:12–4:18 p.m. Reconstruction and Rehabilitation of Lower Limb Amputees via Single Stage Osseointegration – Munjed Al Muderis, MD

4:18–4:26 p.m. Discussion

5:15 p.m. Buses depart for Olympic Park

6:00–8:00 p.m. President’s Reception

8:15 p.m. Buses depart for Lodges of Deer Valley
Saturday July 22, 2017

8:00–8:30 a.m. Member Continental Breakfast
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8:30–9:15 a.m. LLRS Business Meeting – only LLRS members may attend

8:45–9:15 a.m. Nonmember Continental Breakfast
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Session 6 2017 Traveling Fellowship Report
9:20–9:50 a.m. Moderator: Joseph R. Hsu, MD
Frank Avilucea, MD
Emeka Izuagba, MD
David Frumberg, MD
Justin Orr, MD

Session 7 Pediatrics II
Moderator– L. Reid Nichols, MD

9:55–10:01 a.m. The Acetabulum in Congenital Femoral Deficiency – CT Analysis of Anteversion /Retroversion and Size – David S. Feldman, MD

10:02–10:08 a.m. Developmental Patterns of the Greater Trochanter in Skeletal Immature Patients – Derrick M. Knapik, MD

10:09–10:15 a.m. Management of Hip Varus Deformity with Proximal Femur Osteotomy Chenghe Qin, MD

10:16–10:22 a.m. Growth Modulation for Fixed Knee Flexion Contracture: Comparison of Two Methods – Philip McClure, MD

10:22–10:32 a.m. Discussion


10:39–10:45 a.m. “A La Carte” Approach in Surgical Treatment of Equinus Deformity in Patients with Recurrent Clubfoot – Viachaslau Bradko, MD

10:46–10:52 a.m. Does Treatment Setting Influence Parent/Caregiver Expectations and Outcomes following Clubfoot Tenotomy? – Jaclyn F. Hill, MD

10:52–11:00 a.m. Discussion

11:00–11:06 a.m. Intravenous Lidocaine Reduces Post–Operative Pain and Opiate Requirements in Patients Undergoing External Fixation
Anthony Cooper, MD
Anthony Cooper, MD

11:14–11:20 a.m. Consequences Following Distal Femoral Growth Plate Violation with an Intramedullary Implant: A Pilot Study in an Ovine Model
Derrick M. Knapik, MD

11:20–11:30 a.m. Discussion

11:30–11:45 a.m. Announcements/Adjourn