

32nd Annual Scientific Meeting Agenda
subject to change

Friday, July 14, 2023

- 7:30 a.m. Meeting Registration/Check-In Opens
- 7:30–8:30 a.m. Continental Breakfast – Alpine B
Visit Corporate Partners
- 8:15–8:27 a.m. Welcome/Introduction/Disclosure – Alpine A
L. Reid Nichols, MD
- 8:28–8:48 a.m. **Session I: Nonunion**
Moderator: Paul E. Matuszewski, MD
- 8:28–8:34 a.m. Is Selectively Culturing Long Bone Nonunions Safe?: A Multicenter Study
Joseph R. Hsu, MD
- 8:35–8:41 a.m. Preoperative Prophylactic Antibiotics Decrease Culture Yield in Nonunion Repair Procedures – *Laura Bess, MD*
- 8:42–8:48 a.m. Discussion
- 8:49–9:19 a.m. **Session II: Trauma**
Moderator: Steven M. Quinnan, MD
- 8:49–8:55 a.m. Clinical Outcomes of the Reverse Sural Flap Performed by Orthopaedic Trauma Surgeon – *James A. Blair, MD*
- 8:56–9:02 a.m. Long-term Functional Outcomes Following Major Lower Limb Trauma Sustained in the Military – *Jessica C. Rivera, MD*
- 9:03–9:09 a.m. Bromelain-Based Enzymatic Debridement in Muscle Tissue Trauma
Jessica C. Rivera, MD
- 9:10–9:19 a.m. Discussion
- 9:20–9:49 a.m. **Section III: Bone Defects**
Moderator: Austin T. Fragomen, MD
- 9:20–9:26 a.m. A Technique for Tibial Bone Transport with a Single Set of Automated Hexapod Struts – *Shawn M. Hines, MD*
- 9:27–9:33 a.m. Specific Indications for Segmental Bone Transport Techniques in Pediatric Bone Defect Reconstruction – *Mikhail Samchukov, MD*

- 9:34–9:40 a.m. Distraction Osteogenesis Reconstruction Following Resection of Bone Sarcomas: Surgical, Functional and Oncologic Outcomes from a Prospective Trial Analysis – *Daniel E. Prince, MD, MPH*
- 9:41–9:49 a.m. Discussion
- 9:50–10:44 a.m. **Session IV: Osseointegration**
Moderator: S. Robert Rozbruch, MD
- 9:50–9:56 a.m. Medium–term Outcomes of Transfemoral Osseointegration in association with Total Hip Replacement – *Munjed Al Muderis, MD*
- 9:57–10:03 a.m. Medium–term Outcomes of Transtibial Osseointegration in Association with Total Knee Replacement – *Munjed Al Muderis, MD*
- 10:04–10:10 a.m. Limb Reconstruction with Osseointegrated Transfemoral Prosthesis following Radical Amputation of Lower Extremity Sarcomas – *Mohamed E. Awad, MD*
- 10:11–10:17 a.m. The Use of Osseointegrated Titanium Implants to Treat Bilateral Amputees
Munjed Al Muderis, MD
- 10:18–10:24 a.m. Defining the Minimal Clinically Important Difference of Health–Related Quality of Life Measures following Osseointegrated Transfemoral Prosthesis in Amputees – *Mohamed E. Awad, MD*
- 10:25–10:31 a.m. Postoperative Osseointegration Rehabilitation Protocols: A Scoping Review with Recommendations for Progress – *Taylor Reif, MD*
- 10:32–10:44 a.m. Discussion
- 10:45–11:05 a.m. Refreshment Break – Alpine B
Visit Corporate Partner
- 11:06–11:51 a.m. **Session V: Limb Deformity – Practice**
Moderator: Jaclyn F. Hill, MD
- 11:06–11:12 a.m. Prospective Multi–Center Comparison of Modified Scoliosis Instruments and PODCI in Pediatric Limb Deformity Patients – *Tyler J. Moon, MD*
- 11:13–11:19 a.m. International Field Test of LIMB–Q Kids: A New Patient Reported Outcome Measure for Lower Limb Differences – *Harpreet Chhina*
- 11:20–11:26 a.m. Limb Lengthening and Reconstruction Society AIM Index – Reliability in Assessing Disease Severity – *Gourav Jandial, MD*

- 11:27–11:33 a.m. Length of Stay and Readmission Rates After Limb Lengthening Surgery
Gerald A. Sheridan, MD
- 11:34–11:40 a.m. Burnout in Limb Reconstruction Surgeons – *Christopher A. Iobst, MD*
- 11:41–11:51 a.m. Discussion
- 11:52 a.m.–12:30 p.m. **Session VI: Limb Deformity – Techniques**
Moderator: Mitch Bernstein, MD
- 11:52–11:58 a.m. The Percutaneous Comminuted Closing Wedge Osteotomy "Perc Wedge": A Powerful Solution for Deformity Correction – *Stephen M. Quinnan, MD*
- 11:59 a.m.–12:05 p.m. Comparative Fixation Devices for Preventing Migration of the Proximal Tibiofibular Joint During Tibial Lengthening: A Tether Versus Screw Fixation
Jidapa Wongcharoenwatana, MD
- 12:06–12:12 p.m. Removal of Hardware after Orthopaedic Surgery: What are Patients Saying?
Brian J. Page, MD
- 12:13–12:19 p.m. Modified Super Hip Procedure for Fibrous Dysplasia of the Proximal Femur
Toshifumi Hikichi, MD
- 12:20–12:30 p.m. Discussion
- 12:30–1:35 p.m. Lunch – Alpine A
Visit Corporate Partners
- 1:36–2:21 p.m. **Session VII: Limb Deformity – Topics to Get You Thinking**
Moderator: Raymond W. Liu, MD
- 1:36–1:42 p.m. Comparison of Three Methods of Intraoperative Angulation Measurement for Malunion Surgery: Visual Estimation, Goniometer, and Inclinator
John E. Herzenberg, MD
- 1:43–1:49 p.m. Proximal TibioFibular Joint in Tibial Lengthening Osteotomy
Mina Gerges
- 1:50–1:56 p.m. Mechanical Stimulation of Bone Regenerate via External Fixator Axial Dynamization – *Alexander Cherkashin, MD*
- 1:57–2:03 p.m. Complications in Limb Reconstruction Surgery—Can We Report Them Reliably? – *Elizabeth Hubbard, MD*
- 2:04–2:10 p.m. Comparing RVUs for Intramedullary Limb Lengthening Procedures to Common Pediatric Orthopaedic Surgeries to Determine Adequate Compensation – *Jill C. Flanagan, MD*
- 2:11–2:21 p.m. Discussion

- 2:22–3:10 p.m. Presidential Guest Lecture
Jonathan Schoenecker MD, PhD
Pediatric Orthopaedics
Vanderbilt University Medical Center
- 3:15–6:00 p.m. Afternoon On Your Own
- 6:00–6:45 p.m. Business Meeting – **Current LLRS Members only**
- 7:00–7:30 p.m. Pearls of Wisdom – Sun & Spa Decks
- 7:30–9:30 p.m. President’s Reception – Sun & Spa Decks

Saturday, July 15, 2023

- 7:30 a.m. Meeting Registration/Check-In Opens
- 7:30–8:30 a.m. Continental Breakfast – Ballroom 1
Visit Corporate Partners
- 8:15–8:20 a.m. Announcements – Alpine A
- 8:21–8:36 a.m. **Traveling Fellowship Presentation**
Introduction by Jaclyn F. Hill, MD
- 8:37–9:22 a.m. **Session VIII: Pediatrics**
Moderator: Christopher A. Iobst, MD
- 8:37–8:43 a.m. Physeal Bar Excision Using 3D Image Guidance: Technique and Results
Wendy Ramalingam, MD
- 8:44–8:50 a.m. Knee Joint Line Obliquity at Skeletal Maturity After Growth Modulation
Treatment of Genu Varum and Genu Valgum – *David A. Podeszwa, MD*
- 8:51–8:57 a.m. Not Just Your Average Anterolateral Bow (of the Tibia!) – *Aaron J. Huser, DO*
- 8:58–9:04 a.m. Patients with Significant Femoral Version Abnormalities Report Lower Quality
of Life than Asymptomatic Controls – *Michael D. Greenstein, BS*
- 9:05–9:11 a.m. Hibernation of Percutaneous Hemiepiphysiodesis Plates is Safe in Patients with
Congenital Limb Deficiencies – *Claire Shannon, MD*
- 9:12–9:22 a.m. Discussion
- 9:23–10:00 a.m. **Session IX: Bone Problems**
Moderator: Jill C. Flanagan, MD
- 9:23–9:29 a.m. Intramedullary Rodding of Long Bones in Patients with Osteogenesis
Imperfecta: To Supplement with a Plate or Not to Supplement with a Plate?
Amelia M. Lindgren, MD
- 9:30–9:36 a.m. Limb Reconstruction in Patients with Paley 5A Tibial Hemimelia
Aaron J. Huser, DO
- 9:37–9:43 a.m. Preferences and Priorities for Decision Making in Congenital Femoral
Deficiency (CFD): A Stated Preference Survey of Patients, Caregivers, and
Clinicians – *Ilene Hollin, PhD*

- 9:44–9:50 a.m. Metabolic Impacts on Surgical Outcomes after Hemiepiphyodesis for Hypophosphatemic Rickets – *Oussama Abousamra, MD*
- 9:51–10:00 a.m. Discussion
- 10:01–10:30 a.m. Refreshment Break – Alpine B
Visit Corporate Partners
- 10:31–11:30 a.m. Alessandro Codivilla Guest Speaker
Ryan “Birdman” Parrott
Navy Seal
Founder, Bird’s Eye View Project
- 11:31–11:58 a.m. **Session X: Internal Lengthening Nails**
Moderator: Jessica C. Rivera, MD
- 11:31–11:37 a.m. Osteotomy Site Venting Enhances Femoral Bone Consolidation with the Magnetic Intramedullary Lengthening Nail – *Roy Gigi, MD*
- 11:38–11:44 a.m. Qualitative and Quantitative Assessment of the Regenerate Bone Formed During Intramedullary Limb Lengthening Using a Caprine Tibia Model: A Pilot Study – *Christopher A. Iobst, MD*
- 11:45–11:51 a.m. Does Percentage of Tibial Canal Reaming for Insertion of Intramedullary Nail to Correct Limb Length Discrepancy Influence Consolidation Time?
Philip K. McClure, MD
- 11:52–11:58 a.m. Discussion
- 11:59 a.m.–12:26 p.m. **Session XI: Pain Management**
Moderator: *Mani Kahn, MD*
- 11:59 a.m.–12:05 p.m. Can Patients have a Regional Block if the Limb is or was Infected?
Joseph R. Hsu, MD
- 12:06–12:12 p.m. Regional Neuromuscular Blocks and Pain Catheters for Perioperative Pain Control in the Setting of Osteogenesis Imperfecta Extremity Orthopaedic Procedures – *Jeanne M. Franzone, MD*
- 12:13–12:19 p.m. The Effect of Ketorolac on Pediatric Bone Healing Rate Following Osteotomy in Patients with Deformity or Limb Length Discrepancy
Christopher A. Iobst, MD
- 12:20–12:26 p.m. Discussion
- 12:27–1:00 p.m. President’s Remarks and Introduction of 2023–2024 President
L. Reid Nichols, MD and Stephen M. Quinnan, MD