IPOS® aspires to be the best pediatric orthopaedic educational event in the world
The Pediatric Orthopaedic Society of North America gratefully acknowledges these sponsors for their generous financial support in 2023.

<table>
<thead>
<tr>
<th>Level</th>
<th>Sponsors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emerald Level ($300,000+)</td>
<td>DePuy Synthes, Stryker</td>
</tr>
<tr>
<td>Double Diamond Level ($150,000 - $299,999)</td>
<td>Medtronic</td>
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<tr>
<td>Diamond Level ($100,000 - $149,999)</td>
<td>NuVasive, Orthofix</td>
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<tr>
<td>Platinum Level ($75,000 - $99,999)</td>
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<td>Gold Level ($50,000 - $74,999)</td>
<td>Pacira BioSciences, Inc.</td>
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<tr>
<td>Silver Level ($20,000 - $49,999)</td>
<td>Arthrex, Biedermann Motech, BioMarin Pharmaceutical, Inc., Children’s Healthcare of Atlanta, Globus Medical, nView medical, Shriners Children’s™, Stanford Children’s Health</td>
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<tr>
<td>Bronze Level ($1,000 - $19,999)</td>
<td>Akron Children’s Hospital, Campbell Clinic Orthopaedics, Central Texas Pediatric Orthopaedics, Children’s Hospital of Los Angeles, Children’s National Hospital, CurveBeam AI, Gillette Children’s, Miach Orthopaedics, Inc., Nemours Children’s Health, PediTST, Scottish Rite for Children, Wishbone Medical</td>
</tr>
</tbody>
</table>

*Provided an educational grant for IPOS®
IPOS® 2023 Faculty

IPOS® 2023 Faculty

Lindsay Andras, MD
Alexandre Arkader, MD
Donald Bae, MD*
Pablo Castañeda, MD
Robert Cho, MD, FAAOS*
Jon Davids, MD
Craig Eberson, MD, FAOA
Eric Edmonds, MD*
Henry Ellis, MD
Nicholas Fletcher, MD
John (Jack) Flynn, MD*
Theodore Garley, MD
Michael Glotzbecker, MD
Christine Ho, MD
Mininder Kocher, MD, MPH*
Jennifer Laine, MD*
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Phillip McClure, MD*
Thomas McPartland, MD
Todd Milbrandt, MD*
L. Reid Boyce Nichols, MD, FAOA, FAAOS*
Kenneth Noonan, MD, MHCDs
Matthew Oetgen, MD, MBA
David Podeszwa, MD
Anthony Riccio, MD
Julie Samora, MD, PhD*
Wudbhav (Woody) Sankar, MD*
Jeffrey Sawyer, MD
Jonathan Schoenecker, MD, PhD*
Kevin Shea, MD
Benjamin Shore, MD, MPH, FRCSC
M. Wade Shrader, MD*
Daniel Sucato, MD, MS
Vishwas Talwalkar, MD, FAAOS
V. Salil Upasani, MD
Michael Vitale, MD, MPH*
Burt Yaszay, MD

International Faculty

Alaric Aroojis, MS, D’Ortho, DNB
Maryse Bouchard, MD, MSc*
Ron El-Hawary, MD, MSc, FRCS(C)*
Sandra Jarvis-Selinger, PhD
Simon Kelley, MBChB, PhD, FRCS
Javier Masquijo, MD*
Firoz Miyani, MD, FRCS(C)*
Kishore Mulpurvi, MBBS, MS, MHSc, FRCSC
Manoj Ramachandran, MD, FRCS (Orth)
Stefan Parent, MD, PhD, FRCS(C)
Daniel Perry, MA(Oxon), PhD, FRCS (Orth)
Christof Radl, MD

Instructors

Jennifer Bauer, MD, MS
Andrea Bauer, MD
Jaysson Brooks, MD
Jaime Rice Denning, MD
Corinna Franklin, MD
Jeanne Franzone, MD
Raymond Liu, MD
Craig Louer Jr., MD
Mihir Thacker, MD
Rachel Thompson, MD
Kali Tileston, MD, FAAOS
Lindley Wall, MD, MSc
Michelle Welborn, MD

Advanced Practice Provider (APP) Faculty

John Ansiaux PA-C
Adriana Glazier, PA-C
Ben Johnson, PA-C
Jessica King, PA-C*
Ray Kleposki MSN, CPNP
Valerie Parrish, PA-C
Caitlin Parsons, PA-C
Christopher Tremonti, PA-C
Tracy Warhoover, MSN, APRN, CPNP*

*2023 Advisory Board
Explore All Areas of Pediatric Orthopaedics

Immerse yourself in this exciting and interactive four-day program alongside hundreds of pediatric orthopaedic professionals from around the world. Discover new insights and technology and learn how to integrate best practices and new techniques into your care of children and adolescents. From fundamental fracture care to advanced surgical reconstruction, our world-renowned faculty share their expertise in every subspecialty field of pediatric orthopaedics.

Learning Objectives

• Describe foundational aspects of pediatric orthopaedic principles and techniques
• Analyze and incorporate innovations and advances in pediatric orthopaedic surgery when applicable
• Identify potential for and apply improvements to your practice and treatment/outcomes optimization plans
• Practice Hands-on techniques for a wide variety of procedures to improve performance
• Develop a growth mindset, soft skills, and emotional intelligence for practice success

Registration
Sponsored by Stryker

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, December 5</td>
<td>3:00 PM–7:00 PM</td>
</tr>
<tr>
<td>Wednesday, December 6</td>
<td>7:00 AM–5:00 PM</td>
</tr>
<tr>
<td>Thursday, December 7</td>
<td>7:00 AM–3:00 PM</td>
</tr>
<tr>
<td>Friday, December 8</td>
<td>7:00 AM–3:00 PM</td>
</tr>
<tr>
<td>Saturday, December 9</td>
<td>8:00 AM–10:00 AM</td>
</tr>
</tbody>
</table>

Exhibit Hall

Join your colleagues in the Exhibit Hall to networking and discovery of new pediatric orthopaedic products and services. Meals and breaks will be served in the Exhibit Hall.

<table>
<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Wednesday, December 6</td>
<td>7:00 AM–5:00 PM</td>
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<tr>
<td>Wednesday, December 6</td>
<td>2:35 AM–3:35 PM</td>
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<tr>
<td>Thursday, December 7</td>
<td>7:00 AM–4:00 PM</td>
</tr>
<tr>
<td>Friday, December 8</td>
<td>7:00 AM–3:00 PM</td>
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</table>
**19th Annual IPOS®**

**REGISTRATION & HOUSING**

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**Registration**  
Sponsored by Stryker

<table>
<thead>
<tr>
<th></th>
<th>Early-Bird Rate through October 15, 2023</th>
<th>Rate as of October 16, 2023</th>
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<tbody>
<tr>
<td>Member</td>
<td>$1,370</td>
<td>$1,420</td>
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<tr>
<td>Non-Member</td>
<td>$2,020</td>
<td>$2,070</td>
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<tr>
<td>Nurse/Allied Health/PA¹</td>
<td>$885</td>
<td>$935</td>
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<tr>
<td>Orthopaedic Resident²/Post Residency Fellow/U.S. Military³/POSNA Emeritus</td>
<td>$1,175</td>
<td>$1,225</td>
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<tr>
<td>Delegates from Reduced Rate Low Income Countries (determined by World Bank)</td>
<td>$999</td>
<td>$1,049</td>
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<tr>
<td>Mid-Career Surgeons Program TICKETED EVENT (included with full IPOS® registration)</td>
<td>$250</td>
<td>$250</td>
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</tbody>
</table>

¹RN, PA, and Allied Health contact POSNA at ipos@posna.org with any questions regarding this rate.

²Residents and Fellows, contact POSNA at ipos@posna.org with your chief/director’s name, institution’s name, and phone number in order to receive the discounted rate.

³For POSNA members in active military duty only, please contact the POSNA office at ipos@posna.org.

Cancellation Policy: Full refunds will be provided less a processing fee if received in writing to ipos@posna.org by the date listed below. No refunds will be granted beginning November 28, 2023. Registrants will receive a confirmation and refund within 14 days of receipt of their cancellation notice.

- September 12-November 6, 2023: Less a 20% processing fee
- November 7-November 27, 2023: Less a 50% processing fee
- November 28, 2023, and forward: No refunds

POSNA Membership Requirement: IPOS® attendance fulfills POSNA Active and Candidate membership requirements. Registration and attendance for Mid-Career Surgeons Program only does not meet the member meeting attendance requirement.

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**Loews Royal Pacific Resort**

6300 Hollywood Way  
Orlando, FL 32819

Reservation Group Call-In Center  
Toll-free: (866) 360-7395  
Local: (407) 503-9276  
Fax: (407) 503-9258

[Click here](#) to book your housing online

Hotel Reservation Deadline: November 13, 2023  
Group Rate: $235 (for single and double occupancy, plus applicable taxes and fees)  
Group Code: GHRKCC2
Residents and Fellows: Programming just for you!

**Case Competition:** Hear the faculty discuss your cases and put your knowledge to the test during the Arabella Leet session!

**Top Gun:** The 11th annual surgical skills competition allows you to showcase your maverick skill set (by invitation only).

**Career Planning and Professional Development:** Get perspectives and advice on handling what you do not find in textbooks.

**Breakfast with Faculty:** This is a unique, direct-access opportunity with leaders in the field to feed your mind, ask questions, and seek professional guidance on Thursday morning over breakfast from 7:00 AM–8:00 AM.

**Lunchtime Career Development:** Join IPOS® faculty, Wednesday–Friday, for a 30-minute case review and discussion.

Craft Your Own IPOS® Adventure with Over 30 Breakout Sessions and 11 Different Topic Tracks Featuring:
- Focused lectures and engaging case discussions
- Surgical skills demonstrations
- Industry-sponsored sessions on cutting edge techniques
- Small group discussions
- Essentials Session on how to teach and learn Pediatric Orthopaedic Surgery

Hands-on Sessions You Don’t Want to Miss:
- On the Go Sessions: Halo, Pavlik, and Ponseti
- Pelvic Osteotomies I and II
- Pinning an Elbow
- Ponseti Casting and Congenital Vertical Talus

NEW for 2023
- The Future Direction of AI and ML in Peds Ortho
- Mid-Career Programming
  - Leadership Institute
  - CMS Coding Update
  - ABOS Re-Certification Changes
  - Changing Jobs Mid-Career
- General Session 2: Syndromes Managed by Multi-Disciplinary Teams
  - Focuses on topics like AMC, OI, and CTD

IPOS® Lounge
Network, Relax, and Recharge
Located in the back of the Exhibit Hall
<table>
<thead>
<tr>
<th>Topics</th>
<th>Wednesday, December 6</th>
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</thead>
<tbody>
<tr>
<td>Advanced Practice Providers</td>
<td>Registration 7:00 AM–5:00 PM</td>
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<tr>
<td>Essentials of Pediatric Orthopaedics</td>
<td>Breakfast and Exhibits 7:00 AM–8:00 AM</td>
</tr>
<tr>
<td>Foot</td>
<td>General Session 1: Trauma, Fractures, &amp; Complications 8:05 AM–10:05 AM</td>
</tr>
<tr>
<td>General Pediatric Orthopaedics/Trauma</td>
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<tr>
<td>Hand &amp; Upper Extremity</td>
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<tr>
<td>Hip</td>
<td>Break and Exhibits 10:10 AM–10:30 AM</td>
</tr>
<tr>
<td>Lower Extremity/Deformity</td>
<td>CME Breakout 1: Essentials of Pediatric Orthopaedics 10:35 AM–11:50 AM</td>
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<tr>
<td>Mid-Career</td>
<td>CME Breakout 1: Pediatric Sports Medicine Debates 10:35 AM–11:50 AM</td>
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<tr>
<td>Neuromuscular &amp; Cerebral Palsy</td>
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<tr>
<td>Sports</td>
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<thead>
<tr>
<th>Tuesday, December 5</th>
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<tbody>
<tr>
<td>3:00 PM–7:00 PM Registration</td>
<td></td>
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<tr>
<td>4:00 PM–5:30 PM Arabella Leet Resident and Fellow Forum* (Sponsored by Shriners Children’s™)</td>
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<tr>
<td>5:35 PM–6:35 PM Career Planning and Professional Development for Residents and Fellows* (Sponsored by Medtronic)</td>
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<tr>
<td>6:35 PM–6:50 PM Mingle with Medtronic</td>
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<tr>
<td>7:00 PM–8:15 PM Industry Pre-Course* (Sponsored by OrthoPediatrics)</td>
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<tr>
<td>8:20 PM–9:20 PM Industry-Sponsored Reception (Sponsored by OrthoPediatrics)</td>
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</tbody>
</table>

*Indicates non-CME session
19th Annual IPOS®
SCHEDULE AT A GLANCE

Thursday, December 7

7:00 AM–3:00 PM  Registration

7:00 AM–8:00 AM  Breakfast and Exhibits

7:00 AM–8:00 AM  Breakfast with Faculty*

8:05 AM–10:05 AM  General Session 2: Combination Problems in Syndromic Children–AMC, OI, and CTD

10:10 AM–10:30 AM  Break and Exhibits


10:35 AM–11:35 AM  Industry Spotlight Sessions 3*

11:40 AM–12:40 PM  Lunch and Exhibits

12:10 PM–12:40 PM  Lunchtime Career Development*

11:35 AM–12:35 PM  CME Breakout 2: Challenging Hips in the Elementary Years

12:45 PM–2:00 PM  CME Breakout 2: Early Onset Scoliosis (Big Curves in Little Kids) and Neuromonitoring Challenges

12:45 PM–2:00 PM  CME Breakout 2: Essentials of Pediatric Orthopaedics II

12:45 PM–2:00 PM  CME Breakout 2: Gait Analysis and Cerebral Palsy Interactive Session

12:45 PM–2:00 PM  CME Breakout 2: Ponseti Casting (Hands-on)

2:05 PM–2:25 PM  Break and Exhibits

2:30 PM–4:00 PM  Concurrent Session 2: Upper Extremity and Sports Case-Based Learning

2:30 PM–4:00 PM  Concurrent Session 2: When a Clubfoot That Isn’t Just a Clubfoot–Managing Clubfeet in Infants with Syndromes and Multiple Deformities

3:00 PM–3:45 PM  Pavlik on the Go (Hands-on)

3:00 PM–3:45 PM  Halo on the Go (Hands-on)

5:00 PM–7:30 PM  Top Gun Surgical Skills Competition* (by invitation only)

*Indicates non-CME session
# 19th Annual IPOS®

## SCHEDULE AT A GLANCE

### Friday, December 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM–3:30 PM</td>
<td>Registration</td>
</tr>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Breakfast and Exhibits</td>
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<tr>
<td>8:05 AM–9:35 AM</td>
<td>Concurrent Session 3: Course for Mid-Career Surgeons</td>
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<tr>
<td>8:05 AM–9:35 AM</td>
<td>Concurrent Session 3: Femoroacetabular Impingement: Where Are We in 2023?</td>
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<tr>
<td>8:05 AM–9:35 AM</td>
<td>APP CME Breakout 3: Respect the Past, Embrace the Future–Recent Advances in Treatment Options for Common Sports Injuries in the Adolescent Athlete</td>
</tr>
<tr>
<td>9:40 AM–10:00 AM</td>
<td>Break and Exhibits</td>
</tr>
<tr>
<td>10:05 AM–11:05 AM</td>
<td>Industry Spotlight Sessions 4*</td>
</tr>
<tr>
<td>11:10 AM–12:10 PM</td>
<td>Lunch and Exhibits</td>
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<tr>
<td>11:40 AM–12:10 PM</td>
<td>Lunchtime Career Development*</td>
</tr>
<tr>
<td>12:15 PM–2:15 PM</td>
<td>General Session 3: Author’s Preferred Techniques</td>
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<tr>
<td>2:15 PM–2:30 PM</td>
<td>Awards Presentation</td>
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<tr>
<td>2:35 PM–2:55 PM</td>
<td>Break and Exhibits</td>
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<tr>
<td>3:00 PM–4:15 PM</td>
<td>CME Breakout 3: Congenital Vertical Talus: Topic Update and Hands-on Casting (Hands-on)</td>
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<tr>
<td>3:00 PM–4:15 PM</td>
<td>CME Breakout 3: Course for Mid-Career Surgeons</td>
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<tr>
<td>3:00 PM–4:15 PM</td>
<td>CME Breakout 3: Growth Modulation of the Spine</td>
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<tr>
<td>3:00 PM–4:15 PM</td>
<td>CME Breakout 3: Pelvic Osteotomies Part 2: Triple, PAO (Hands-on)</td>
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### Saturday, December 9

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Breakfast</td>
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<tr>
<td>8:05 AM–9:35 AM</td>
<td>Concurrent Session 4: Managing Congenital Differences Below the Knee</td>
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<tr>
<td>9:40 AM–10:00 AM</td>
<td>Break</td>
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<tr>
<td>10:05 AM–11:20 AM</td>
<td>CME Breakout 4: Essentials of Pediatric Orthopaedics III</td>
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<tr>
<td>10:05 AM–11:20 AM</td>
<td>CME Breakout 4: Reconstruct, Rotate, or Amputate? Difficult Decisions in Limb Reconstruction</td>
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<tr>
<td>11:25 AM–12:25 PM</td>
<td>Lunch</td>
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</tbody>
</table>

*Indicates non-CME session
(Schedule Subject to Change)
**Advanced Practice Providers**

**Wednesday, December 6**
3:40 PM–4:40 PM
**APP CME Breakout 1:** What You See on Sports Center—Top Injuries in the Adolescent Athlete

**Thursday, December 7**
10:35 AM–11:35 AM
**APP CME Breakout 2:** Put Me in Coach—Injury Prevention and Return to Sports After an Injury

**Friday, December 8**
8:05 AM–9:35 AM
**APP CME Breakout 3:** Respect the Past, Embrace the Future—Recent Advances in Treatment Options for Common Sports Injuries in the Adolescent Athlete

---

**Essentials of Pediatric Orthopaedics**

**Wednesday, December 6**
10:35 AM–11:50 AM
**CME Breakout 1:** Essentials of Pediatric Orthopaedics I

**Thursday, December 7**
2:45 PM–2:00 PM
**CME Breakout 2:** Essentials of Pediatric Orthopaedics II

**Saturday, December 9**
10:05 AM–11:20 AM
**CME Breakout 4:** Essentials of Pediatric Orthopaedics III

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**Foot**

**Wednesday, December 6**
1:30 PM–2:15 PM
**Ponseti on the Go** (Hands-on)

**Thursday, December 7**
12:45 PM–2:00 PM
**CME Breakout 2:** Ponseti Casting (Hands-on)

2:30 PM–4:00 PM
**Concurrent Session 2:** When a Clubfoot That Isn’t Just a Clubfoot—Managing Clubfeet in Infants with Syndromes and Multiple Deformities

---

**Hand & Upper Extremity**

**Wednesday, December 6**
10:35 AM–11:50 AM
**CME Breakout 1:** Pinning an Elbow (Hands-on)

**Thursday, December 7**
2:30 PM–4:00 PM
**Concurrent Session 2:** Upper Extremity and Sports Case-Based Learning

**Saturday, December 9**
10:05 AM–11:20 AM
**CME Breakout 4:** Pediatric Upper Limb Surgery: Concepts, Cases, and Controversies

---

**Friday, December 8**
3:00 PM–4:15 PM
**CME Breakout 3:** Congenital Vertical Talus: Topic Update and Hands-on Casting (Hands-on)

---

**General Pediatric Orthopaedics/Trauma**

**Wednesday, December 6**
8:05 AM–10:05 AM
**General Session 1:** Trauma, Fractures, & Complications

**Thursday, December 7**
8:05 AM–10:05 AM
**General Session 2:** Combination Problems in Syndromic Children—AMC, OI, and CTD

10:35 AM–11:50 AM
**CME Breakout 1:** Tumors and Infections

**Friday, December 8**
2:15 PM–2:15 PM
**General Session 3:** Author’s Preferred Techniques

**Saturday, December 9**
10:05 AM–11:20 AM
**CME Breakout 4:** Reconstruct, Rotate, or Amputate? Difficult Decisions in Limb Reconstruction
**Hip**

**Wednesday, December 6**
10:35 AM–11:50 AM
**CME Breakout 1:** Pelvic Osteotomies Part 1: Salter, Pemberton, Dega, San Diego

**Thursday, December 7**
12:45 PM–2:00 PM
**CME Breakout 2:** Challenging Hips in the Elementary Years
3:00 PM–3:45 PM
**Pavlik on the Go** (Hands-on)

**Friday, December 8**
8:05 AM–9:35 AM
**Concurrent Session 3:** Femoroacetabular Impingement: Where Are We in 2023?

**Saturday, December 9**
3:00 PM–4:15 PM
**CME Breakout 3:** Pelvic Osteotomies Part 2: Triple, PAO (Hands-on)

**Neuromuscular & Cerebral Palsy**

**Wednesday, December 6**
1:00 PM–2:30 PM
**Concurrent Session 1:** Contemporary Management of the Complex Neuromuscular Child

**Thursday, December 7**
12:45 PM–2:00 PM
**CME Breakout 2:** Gait Analysis and Cerebral Palsy Interactive Session

**Spine**

**Thursday, December 7**
12:45 PM–2:00 PM
**CME Breakout 2:** Early Onset Scoliosis (Big Curves in Little Kids) and Neuromonitoring Challenges
3:00 PM–3:45 PM
**Halo on the Go** (Hands-on)

**Friday, December 8**
8:05 AM–9:35 AM
**Concurrent Session 3:** Neuromuscular Scoliosis and Syndromic Spine
3:00 PM–4:15 PM
**CME Breakout 3:** Growth Modulation of the Spine

**Lower Extremity/Deformity**

**Saturday, December 9**
8:05 AM–9:35 AM
**Concurrent Session 4:** Managing Congenital Differences Below the Knee

**Sports**

**Wednesday, December 6**
10:35 AM–11:50 AM
**CME Breakout 1:** Pediatric Sports Medicine Debates
1:00 PM–2:30 PM
**Concurrent Session 1:** Success and Failure in Pediatric Sports Medicine

**Mid-Career**

**Friday, December 8**
8:05 AM–9:35 AM
**Concurrent Session 3:** Course for Mid-Career Surgeons
3:00 PM–4:15 PM
**CME Breakout 3:** Course for Mid-Career Surgeons

**Saturday, December 9**
7:30 AM–9:30 AM
**Concurrent Session 4:** Course for Mid-Career Surgeons
DAILY SCHEDULE
TUESDAY

Tuesday, December 5

3:00 PM–7:00 PM   Registration

4:00 PM–5:30 PM

Arabella Leet Resident and Fellows Forum
Sponsored by Shriners Children’s™
Chair: Julie Samora, MD, PhD
Co-Chair: Jennifer Laine, MD
Panelists: Jaysson Brooks, MD; Jaime Rice Denning, MD; Jeanne Franzone, MD; Raymond Liu, MD

In honor and memory of Dr. Arabella Leet’s career and contributions she made improving the lives of children through her work and commitment to both personally and systemically providing quality and safe musculoskeletal care for children, the Arabella Leet Resident Forum, sponsored by Shriners Children’s™, is an opportunity for all to attend an exciting case competition. The top ten cases are provided by this year’s scholarship winners with stimulating discussion from IPOS® faculty. Attend to demonstrate your trivia knowledge for prizes and fun!

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>4:00 PM–4:05PM</td>
<td>Introduction</td>
</tr>
<tr>
<td>4:06 PM–4:11PM</td>
<td>Case 1</td>
</tr>
<tr>
<td>4:12 PM–4:17PM</td>
<td>Case 2</td>
</tr>
<tr>
<td>4:18 PM–4:23PM</td>
<td>Case 3</td>
</tr>
<tr>
<td>4:24 PM–4:29PM</td>
<td>Trivia</td>
</tr>
<tr>
<td>4:30 PM–4:35PM</td>
<td>Case 4</td>
</tr>
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<td>4:36 PM–4:41PM</td>
<td>Case 5</td>
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<td>4:42 PM–4:47PM</td>
<td>Case 6</td>
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<td>4:48 PM–4:53PM</td>
<td>Trivia</td>
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<tr>
<td>4:54 PM–4:59PM</td>
<td>Case 7</td>
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<tr>
<td>5:00 PM–5:05PM</td>
<td>Case 8</td>
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<tr>
<td>5:06 PM–5:11PM</td>
<td>Trivia</td>
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<tr>
<td>5:12 PM–5:17PM</td>
<td>Case 9</td>
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<tr>
<td>5:18 PM–5:23PM</td>
<td>Case 10</td>
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<tr>
<td>5:24 PM–5:30PM</td>
<td>Trivia</td>
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</table>

“There are so many reasons to attend IPOS®. I think the most important thing is that it’s the most high-yield pediatric conference out there. There is so much jam-packed into four days. With all the different subspecialty tracks, you could attend multiple years in a row and get a totally different experience learning new things at each one.”

Amelia Lindgren, MD
**Daily Schedule**

**Tuesday**

**5:35 PM–6:35 PM**

**Career Planning and Professional Development**

Sponsored by Medtronic

This interactive hour-long session from POSNA leaders is designed for orthopaedic trainees to learn pearls on how to have a successful career. The faculty will discuss how to build a robust practice early, provide pearls on teaching the next generation and options for research and service endeavors, and address work-life integration.

5:35 PM–5:39 PM  **Introduction and Welcome**
Julie Samora, MD, PhD
Jennifer Laine, MD

5:40 PM–5:45 PM  **How Do I Build a Busy Practice? Is it Better to Stay Broad or Sub-specialize?**
Jaime Rice Denning, MD

5:46 PM–5:51 PM  **How to Incorporate Meaningful Teaching While Staying Patient-Focused (and On Time)**
Donald Bae, MD

5:52 PM–5:57 PM  **How Can I Contribute to Discovery in Pediatric Orthopaedics? Finding Ideas, Support, and Time**
Raymond Liu, MD

5:58 PM–6:03 PM  **How to Become Involved in Service in Orthopaedics**
Wudbhav (Woody) Sankar, MD

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6:04 PM–6:09 PM  The Importance of Life and Family, Outside of Work
Jeffrey Sawyer, MD

6:10 PM–6:23 PM  Finance and Wealth Management for Orthopaedic Surgeons
Ian Rose, LACP, CRES

6:24 PM–6:35 PM  Questions and Answers
Julie Samora, MD, PhD
Jennifer Laine, MD
Jaime Rice Denning, MD
Donald Bae, MD
Raymond Liu, MD
Wudbhav (Woody) Sankar, MD
Jeffrey Sawyer, MD
Ian Rose, LACP, CRES
Medtronic Representative

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6:35 PM–6:50 PM  Mingle with Medtronic

7:00 PM–8:15 PM  Pre-Course (Sponsored by OrthoPediatrics)

8:20 PM–9:20 PM  Industry-Sponsored Cocktail Reception (Sponsored by OrthoPediatrics)

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**POSNA Direct**

Your tax-deductible donation supports POSNA’s vision for a world with optimal musculoskeletal health for all children.
### Wednesday, December 6

| 7:00 AM–5:00 PM | Registration |
| 7:00 AM–8:00 AM | Breakfast and Exhibits |

## GENERAL SESSION 1

**8:05 AM–10:05 AM**

### Mastering Call in Pediatric Orthopaedics

You won’t want to miss the Mastering Call in Pediatric Orthopaedics session. This year’s course provides a comprehensive overview of what it takes to care for pediatric orthopedic injuries, including critical concepts such as the role of the periosteum in pediatric fractures and the pathophysiology behind complications such as pulmonary embolus and necrotizing fasciitis. Our course will be structured into three sessions that will cover the basics of the periosteum and how to use it in diagnosing and treating fractures, managing injuries to vital structures around fractures, and understanding the acute phase response in both severely injured and infected patients. We will be using interactive technology that allows learners to participate throughout the session by answering questions on their mobile devices, making this an engaging and immersive learning experience.

As experienced educators in pediatric orthopaedics, we are passionate about delivering a high-quality educational experience that will be valuable to your clinical practice. We have received great feedback from previous learners, who have found our content to be relevant, engaging, and useful in their every day work.

| 7:45 AM–8:00 AM | Onboarding |
| 8:00 AM–8:04 AM | Introduction to IPOS® and Teams  
Co-Director: Suken Shah, MD, FAOA, FAAOS, FAOA, FAAOS |
### DAILY SCHEDULE

#### WEDNESDAY

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:11 AM–9:38 AM</td>
<td><strong>Trauma Severe Injury</strong></td>
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<tr>
<td>9:12 AM–9:18 AM</td>
<td>Acute Phase Response in Severe Injury&lt;br&gt;Jonathan Schoenecker, MD, PhD</td>
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<tr>
<td>9:19 AM–9:25 AM</td>
<td>Multi Trauma Patient Management&lt;br&gt;Lindsay Andras, MD</td>
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<tr>
<td>9:26 AM–9:32 AM</td>
<td>Septic Patient&lt;br&gt;Thomas McPartland, MD</td>
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<tr>
<td>9:33 AM–9:35 AM</td>
<td>Quiz/Survey 3&lt;br&gt;Severe Injury&lt;br&gt;Moderator: Alexandre Arkader, MD</td>
</tr>
<tr>
<td>9:36 AM–9:38 AM</td>
<td>Discussion Severe Injury&lt;br&gt;Moderator: Alexandre Arkader, MD</td>
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<tr>
<td>9:39 AM–10:05 AM</td>
<td><strong>Trauma Wrap Up</strong></td>
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<tr>
<td>9:39 AM–9:41 AM</td>
<td>Score Recap&lt;br&gt;Moderators: Nicholas Fletcher, MD&lt;br&gt;Jonathan Schoenecker, MD, PhD</td>
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<tr>
<td>9:42 AM–9:45 AM</td>
<td>Quiz 5/Survey Potpourri&lt;br&gt;Moderators: Nicholas Fletcher, MD&lt;br&gt;Jonathan Schoenecker, MD, PhD</td>
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<tr>
<td>9:46 AM–9:55 AM</td>
<td>Discussion All-Review Audience Response&lt;br&gt;Moderators: Nicholas Fletcher, MD&lt;br&gt;Jonathan Schoenecker, MD, PhD</td>
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<tr>
<td>9:56 AM–10:05 AM</td>
<td>Final Results and Discussion&lt;br&gt;Moderators: Nicholas Fletcher, MD&lt;br&gt;Jonathan Schoenecker, MD, PhD</td>
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<tr>
<td>10:10 AM–10:30 AM</td>
<td>Break and Exhibits</td>
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#### CME BREAKOUT 1

**10:35 AM–11:50 AM**

**Essentials of Pediatric Orthopaedics**

This session covers the basics of pediatric orthopaedics with a focus on recognition, evaluation, and treatment of common conditions. The information is geared toward residents, fellows, and newer advanced practice providers who desire a strong foundational knowledge and strategy to synthesize clinical data into appropriate treatment plans.

**Moderator: Jeff Martus, MD**

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:35 AM–10:40 AM</td>
<td>Normal Growth and Alignment&lt;br&gt;L. Reid Boyce Nichols, MD, FAOA, FAAOS</td>
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<tr>
<td>10:41 AM–10:46 AM</td>
<td>Normal Gait and Gait Deviations&lt;br&gt;M. Wade Shrader, MD</td>
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<tr>
<td>10:47 AM–10:54 AM</td>
<td>MSK Imaging Essentials&lt;br&gt;Jeff Martus, MD</td>
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<td>10:55 AM–11:01 AM</td>
<td>Discussion&lt;br&gt;L. Reid Boyce Nichols, MD, FAOA, FAAOS&lt;br&gt;M. Wade Shrader, MD&lt;br&gt;Jeff Martus, MD</td>
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<tr>
<td>11:02 AM–11:07 AM</td>
<td>Approach to the Child with Developmental Delay&lt;br&gt;James McCarthy, MD</td>
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<td>11:08 AM–11:13 AM</td>
<td>CP: Lower Extremity (Hip Dysplasia, Crouch Gait, and Foot Deformity)&lt;br&gt;Benjamin Shore, MD, MPH, FRCSC</td>
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<tr>
<td>11:14 AM–11:19 AM</td>
<td>CP: Upper Extremity&lt;br&gt;Lindley Wall, MD, MSc</td>
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<td>10:20 AM–11:28 AM</td>
<td><strong>Discussion</strong></td>
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<td>11:29 AM–11:34 AM</td>
<td><strong>Limb Length Discrepancy and Limb Deficiency</strong></td>
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<td>11:35 AM–11:40 AM</td>
<td><strong>Hip: DDH, Perthes, SCFE</strong></td>
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<td>11:41 AM–11:50 AM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>10:35 AM–11:50 AM</td>
<td><strong>CME BREAKOUT 1</strong></td>
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<tr>
<td>10:35 AM–10:37 AM</td>
<td><strong>Opening Remarks and Pre-Debate Voting</strong></td>
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<tr>
<td>10:38 AM–10:43 AM</td>
<td><strong>First-Time Shoulder Dislocation Conservative Management</strong></td>
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<td>10:44 AM–10:49 AM</td>
<td><strong>First-Time Shoulder Dislocation Operative Management</strong></td>
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<td>10:50 AM–10:55 AM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>10:56 AM–11:01 AM</td>
<td><strong>First-Time Patella Dislocation Conservative Management</strong></td>
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<td>11:02 AM–11:07 AM</td>
<td><strong>First-Time Patella Dislocation Operative Management</strong></td>
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<td>11:07 AM–11:13 AM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>11:14 AM–11:19 AM</td>
<td><strong>Ankle Instability Conservative Management</strong></td>
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<td>11:20 AM–11:25 AM</td>
<td><strong>Ankle Instability Operative Management</strong></td>
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<td>11:26 AM–11:31 AM</td>
<td><strong>Discussion</strong></td>
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<td>11:32 AM–11:37 AM</td>
<td><strong>First-Time Elbow Dislocation Conservative Management</strong></td>
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<td>11:43 AM–11:50 AM</td>
<td><strong>First-Time Elbow Dislocation Operative Management</strong></td>
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<td><strong>Discussion</strong></td>
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CME BREAKOUT 1
10:35 AM–11:50 AM

Pelvic Osteotomies Part 1: Salter, Pemberton, Dega, San Diego (Hands-on)

Part 1: Salter, Dega, Pemberton, San Diego Osteotomies

Moderator: Pablo Castañeda, MD

10:35 AM–10:40 AM Salter Osteotomy
Simon Kelley, MBChB, PhD, FRCS

10:41 AM–10:46 PM Dega/Pemberton Osteotomy
Nicholas Fletcher, MD

10:47 AM–10:52 AM San Diego Acetabuloplasty
V. Salil Upasani, MD

10:53 AM–11:09 AM Short Case Review
Pablo Castañeda, MD

11:10 AM–11:50 AM Table Instruction
Kishore Mulpuri, MBBS, MS, MHS, FRCSC
Alaric Aroojis, MS, D’Ortho, DNB
V. Salil Upasani, MD
Pablo Castañeda, MD
Nicholas Fletcher, MD
Simon Kelley, MBChB, PhD, FRCS

11:35 AM–11:40 AM Debrief
Kali Tileston, MD, FAAOS

10:35 AM–11:50 AM Pinning an Elbow (Hands-on)
A Hands-on and interactive session on pinning of supracondylar humerus fractures, guided by our esteemed IPOS® faculty. Space is limited, so register early!

Moderator: Donald Bae, MD

10:35 AM–10:40 AM Why Skiing Is Such a Great Family Activity
Donald Bae, MD

10:41 AM–10:46 AM Beginning with BOGERD
Julie Samora, MD, PhD

10:47 AM–10:50 AM Table Assignments
Donald Bae, MD

10:50 AM–11:35 AM Hands-on Exercise
Donald Bae, MD
Julie Samora, MD, PhD
Kali Tileston, MD, FAAOS
John (Jack) Flynn, MD
Jeffrey Sawyer, MD
Jennifer Laine, MD
Jaysson Brooks, MD
Andrea Bauer, MD
Matthew Oetgen, MD, MBA
Derek Kelly, MD, FAAOS, FAOA
Jennifer Bauer, MD, MS
Vishwas Talwalkar, MD, FAAOS
Thomas McPartland, MD

10:41 AM–10:47 AM String of Pearls
Moderator: Donald Bae, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:42 AM–10:43 AM</td>
<td>My Favorite Room Setup Tip</td>
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<td>Kali Tileston, MD, FAAOS</td>
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<tr>
<td>10:43 AM–10:44 AM</td>
<td>My Go-to Closed Reduction Maneuver</td>
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<td>Vishwas Talwalkar, MD, FAAOS</td>
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<tr>
<td>10:44 AM–10:45 AM</td>
<td>The Key to an Open Reduction</td>
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<td>Andrea Bauer, MD</td>
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<td>10:45 AM–10:46 AM</td>
<td>Pinning Pearl: Lateral Pins</td>
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<td>Jeffrey Sawyer, MD</td>
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<td>10:46 AM–10:47 AM</td>
<td>Pinning Pearl: The Medial Pin</td>
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<td>John (Jack) Flynn, MD</td>
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<td>10:48 AM–10:50 AM</td>
<td>Making Your CAST</td>
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<td>Julie Samora, MD, PhD</td>
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<td>10:49 AM–10:55 AM</td>
<td>Understanding (Maybe) and Managing Non-Bacterial Osteomyelitis</td>
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<td>Craig Louer Jr., MD</td>
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<tr>
<td>10:56 AM–11:02 AM</td>
<td>Pediatric Septic Hip–The UK Approach</td>
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<td>Daniel Perry, MA (Oxon), PhD, FRCS (Orth)</td>
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<tr>
<td>11:03 AM–11:08 AM</td>
<td>Discussion</td>
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<td>Craig Eberson, MD, FAOA</td>
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<td>11:16 AM–11:22 AM</td>
<td>Bone Tumors Meet Limb Deformities (MHE, Ollier’s, FD...)</td>
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<td>Mihir Thacker, MD</td>
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<td>11:23 AM–11:29 AM</td>
<td>“The Quick Guide” to Managing Benign Cystic Lesions</td>
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<td>Ron El-Hawary, MD, MSc, FRCS(C)</td>
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<tr>
<td>11:30 AM–11:36 AM</td>
<td>Generalist Approach to Malignant Bone Tumors: Pearls, Pitfalls, and Staging</td>
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<td>Mihir Thacker, MD</td>
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<tr>
<td>11:35 AM–11:50 AM</td>
<td>Discussion</td>
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<td></td>
<td>Alexandre Arkader, MD, Jonathan Schoenecker, MD, PhD</td>
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<tr>
<td>10:35 AM–11:50 AM</td>
<td>Tumors and Infections</td>
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<td>This session will discuss the overlap between infectious and neoplastic conditions, including modern treatment of the most common pathologies and update on related differential diagnosis. The goal is to walk through several cases and allow for audience participation and interaction.</td>
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<td>Moderator: Craig Eberson, MD, FAOA</td>
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<tr>
<td>10:35 AM–10:41 AM</td>
<td>Is it a Tumor or Infection?</td>
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<td>Alexandre Arkader, MD</td>
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<td>10:42 AM–10:48 AM</td>
<td>The Metastatic Infection and Predicting Complications in MSKI</td>
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<td>Jonathan Schoenecker, MD, PhD</td>
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<td>11:55 AM–12:55 PM</td>
<td>Lunch and Exhibits</td>
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<tr>
<td>12:25 PM–12:55 PM</td>
<td>Lunchtime Career Development (non-CME)</td>
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### CONCURRENT SESSION 1

**1:00 PM–2:30 PM**

**Contemporary Management of the Complex Neuromuscular Child**

Broad discussion of the care of children with cerebral palsy, spinal muscle atrophy, and similar pediatric disabilities, including new techniques of growth modulation, complex care coordination, gene therapy in SMA, and how new therapy is changing the prognosis of SMA.

**Moderator:** M. Wade Shrader, MD  
**eModerator:** Benjamin Shore, MD, MPH, FRCSC

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 1:00 PM–1:02 PM | **Introduction**  
M. Wade Shrader, MD |
| 1:03 PM–1:10 PM | **Minimizing Postoperative Complications in the Neuromuscular Child**  
M. Wade Shrader, MD |
| 1:11 PM–1:17 PM | **Who Should We Not Operate On? Ethics, Palliative Care, and Shared Decision-Making**  
Rachel Thompson, MD |
| 1:18 PM–1:23 PM | **Hip Guided Growth in Cerebral Palsy: Technical Details and Early Results**  
Jon Davids, MD |
| 1:24 PM–1:29 PM | **Knee Guided Growth in Cerebral Palsy: Implants, Technique, and Results**  
Kenneth Noonan, MD, MHCDS |
| 1:30 PM–1:45 PM | **Q&A/Case Discussion**  
M. Wade Shrader, MD  
Rachel Thompson, MD  
Jon Davids, MD  
Kenneth Noonan, MD, MHCDS |
| 1:46 PM–1:53 PM | **SMA: New Genetic Diagnosis and Treatment Changes Everything**  
Jaysson Brooks, MD |
| 1:54 PM–2:00 PM | **SMA Hips, PRO: We Should Operate with the Changing Prognosis**  
Benjamin Shore, MD, MPH, FRCSC |
| 2:01 PM–2:07 PM | **SMA Hips, CON: Still Approach with Caution**  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC |
| 2:08 PM–2:14 PM | **SMA Spine: From EOS to PSF to Intrathecal Access**  
Michael Vitale, MD, MPH |
| 2:15 PM–2:30 PM | **Q&A/Case Discussion**  
Jaysson Brooks, MD  
Benjamin Shore, MD, MPH, FRCSC  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC  
Michael Vitale, MD, MPH |
## Daily Schedule
### Wednesday

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>1:00 PM–1:01 PM</td>
<td>Opening Remarks and Introduction of 101 to 401</td>
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<td>Mustard, MD</td>
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<tr>
<td>1:02 PM–1:07 PM</td>
<td>How to Manage Osteochondral Lesions of the Talus</td>
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<td>Mustard, MD</td>
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<td>1:08 PM–1:13 PM</td>
<td>How to Manage the Failures of OLT Surgery</td>
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<td>Mustard, MD</td>
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<tr>
<td>1:14 PM–1:19 PM</td>
<td>How to Manage Knee Cartilage Injuries</td>
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<td>Mustard, MD</td>
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<td>1:20 PM–1:25 PM</td>
<td>How to Manage the Failures of Knee Cartilage Surgery</td>
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<td>Mustard, MD</td>
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<td>1:26 PM–1:32 PM</td>
<td>Discussion</td>
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<td>Mustard, MD</td>
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<td>1:33 PM–1:38 PM</td>
<td>How to Manage Meniscus Tears</td>
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<td>Mustard, MD</td>
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<tr>
<td>1:39 PM–1:44 PM</td>
<td>How to Manage Failed Meniscus Surgery</td>
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<td>Mustard, MD</td>
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### Concurrent Session 1

**1:45 PM–1:50 PM**
How to Manage Ankle Instability
Jennifer Laine, MD

**1:51 PM–1:56 PM**
How to Manage Failed Ankle Surgery
Maryse Bouchard, MD, MSc

**1:57 PM–2:03 PM**
Discussion
John Lovejoy III, MD, FAAOS
Henry Ellis, MD
Jennifer Laine, MD
Maryse Bouchard, MD, MSc

**2:04 PM–2:10 PM**
Motion Analysis in Sports Medicine
Corinna Franklin, MD

**2:11 PM–2:17 PM**
Discoid Meniscus Technique
Eric Edmonds, MD

**2:18 PM–2:24 PM**
Elbow Arthroscopy Techniques
Theodore Ganley, MD

**2:25 PM–2:30 PM**
Discussion
Corinna Franklin, MD
Eric Edmonds, MD
Theodore Ganley, MD

**1:30 PM–2:15 PM**
**Ponseti on the Go (Hands-on)**
This session will provide a brief introduction with Ponseti tips and tricks followed by a Hands-on casting lab with ample opportunity to learn and practice.

**Hands-on Faculty:**
- L. Reid Boyce Nichols, MD, FAOA, FAAOS
- Javier Masquijo, MD
- Derek Kelly, MD, FAAOS, FAOA
- Alaric Aroojis, MS, D’Ortho, DNB
- Vishwas Talwalkar, MD, FAAOS
DAILY SCHEDULE
WEDNESDAY

2:35 PM–3:35 PM  Happy Hour in the Hall
3:40 PM–4:40 PM  Industry Spotlight Sessions 1 (non-CME)

APP CME BREAKOUT 1
3:40 PM–4:40 PM

What You See on Sports Center—Top Injuries in the Adolescent Athlete
Making the Diagnosis: The Participant Will Understand the Importance of Detailed History, Recognize Key Exam and X-Ray Findings, Identify Common Pitfalls, and Determine Best Next Steps When Diagnosing Common Sports Injuries in the Adolescent Athlete.
Moderator: Tracy Warhoover, MSN, RN, CPNP

3:40 PM–3:45 PM  Taking the Hit—Concussions, Neck, and Back Injuries
Caitlin Parsons, PA-C

3:46 PM–3:51 PM  Take Me Out to the Ball Game—Common Shoulder Injuries in the Adolescent Athlete
Ben Johnson, PA-C

3:52 PM–3:57 PM  What’s Your Pitch Count? Elbow Injuries Seen in Young Throwing Athletes
Ray Kleposki, MSN, CPNP

3:58 PM–4:03 PM  Making the Catch—Common Sports-Related Wrist and Hand Injuries
John Ansiaux, PA-C

4:04 PM–4:12 PM  Discussion
Caitlin Parsons, PA-C
Ben Johnson, PA-C
Ray Kleposki, MSN, CPNP
John Ansiaux, PA-C

4:13 PM–4:18 PM  One Too Many Hurdles to Overcome—Sports Related Hip Injuries
Valerie Parrish, PA-C

4:19 PM–4:24 PM  Not a Slam Dunk—Common Knee Injuries in Adolescent Athletes
Adriana Glazier, PA-C

4:25 PM–4:30 PM  Don’t Get Tripped Up—Ankle and Foot Injuries
Christopher Tremonti, PA-C

4:31 PM–4:40 PM  Discussion
Valerie Parrish, PA-C
Adriana Glazier, PA-C
Christopher Tremonti, PA-C

4:45 PM–5:45 PM  Industry Spotlight Sessions 2 (non-CME)

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Your tax-deductible donation supports POSNA’s vision for a world with optimal musculoskeletal health for all children.

POSNA.ORG
Thursday, December 7

Registration
7:00 AM–3:00 PM

Breakfast and Exhibits
7:00 AM–8:00 AM

Breakfast with Faculty (non-CME)
7:00 AM–8:00 AM

General Session 2
8:05 AM–10:05 AM

Combination Problems in Syndromic Children–AMC, OI, and CTD

Providing good care for complex patients with musculoskeletal conditions often requires comprehensive knowledge and a multidisciplinary approach. In this session, we will discuss three conditions in a case-based format to reveal and discuss central and peripheral issues critical to manage.

Moderator: John (Jack) Flynn, MD
eModerator: Lindsay Andras, MD

8:05 AM–8:05 AM
Opening Remarks
Co-Director: Suken Shah, MD, FAOA, FAAOS

8:05 AM–8:52 AM
Arthrogryposis Multiplex Congenita

8:05 AM–8:11 AM
Current Knowledge About the Etiology and Spectrum of AMC
Alaric Aroojis, MS, D’Ortho, DNB

8:12 AM–8:18 AM
Scoliosis in AMC and Bruck Syndrome: How to Navigate the Challenges
Michael Vitale, MD, MPH

8:19 AM–8:27 AM
Upper Limb in Arthrogryposis: How to Give Kids Some ADLs
Lindley Wall, MD, MSc

8:29 AM–8:34 AM
The Arthrogrypotic Hip: What Can We Do with It?
Pablo Castañeda, MD

8:35 AM–8:40 AM
Talk about Miserable Malalignment … The Lower Extremity in AMC
L. Reid Boyce Nichols, MD, FAOA, FAAOS

8:41 AM–8:46 AM
Foot and Ankle Challenges in Arthrogryposis
Anthony Riccio, MD

8:47 AM–8:52 AM
Discussion
Alaric Aroojis, MS, D’Ortho, DNB
Michael Vitale, MD, MPH
Lindley Wall, MD, MSc
Pablo Castañeda, MD
L. Reid Boyce Nichols, MD, FAOA, FAAOS
Anthony Riccio, MD

8:53 AM–9:28 AM
Osteogenesis Imperfecta

8:53 AM–8:58 AM
Spine Problems in OI from Occiput to Sacrum
Suken Shah, MD, FAOA, FAAOS

8:59 AM–9:04 AM
Humeral Shaft Deformity in OI and Reconstruction with Function in Mind
Jeanne Franzone, MD

9:05 AM–9:10 AM
Consequences of Acetabular Protrusio in OI … Can Anything Be Done?
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

9:11 AM–9:16 AM
Long Bone Rodding in OI: Rationale and Deformity Correction
Derek Kelly, MD, FAAOS, FAOA
**Daily Schedule**

**Thursday**

**9:17 AM–9:22 AM**

Bisphosphonate Therapy in OI and Future Modalities of Treatment
Vishwas Talwalkar, MD, FAOAS

**9:23 AM–9:28 AM**

Discussion
Suken Shah, MD, FAOA, FAAOS
Jeanne Franzone, MD
Kishore Mulpuri, MBBS, MS, MHSSc, FRCSI
Derek Kelly, MD, FAAOS, FAOA
Vishwas Talwalkar, MD, FAOAS

**9:29 AM–10:05 AM**

Connective Tissue Disorders

**9:29 AM–9:34 AM**

Cervical Spine in CTD: Instability, Kyphosis, and Cerebrovascular Issues
Jennifer Bauer, MD, MS

**9:35 AM–9:40 AM**

Thoracolumbar Spine in CTD
Jaysson Brooks, MD

**9:41 AM–9:46 AM**

Late Onset Hip Dysplasia in CTD: Successes and Failures
Mihir Thacker, MD

**9:47 AM–9:52 AM**

Managing the Unstable Patella in CTD
Mininder Kocher, MD, MPH

**9:52 AM–9:57 AM**

Ankle Instability in CTD: Bone and Soft Tissue Concerns
Maryse Bouchard, MD, MSc

**9:58 AM–10:05 AM**

Discussion
Jennifer Bauer, MD, MS
Jaysson Brooks, MD
Mihir Thacker, MD
Mininder Kocher, MD, MPH
Maryse Bouchard, MD, MSc

**10:10 AM–10:30 AM**

Break and Exhibits

**10:35 AM–11:35 AM**

Industry Spotlight Sessions 3 (non-CME)

**APP CME Breakout 2**

**10:35 AM–11:35 AM**

**Put Me in Coach–Injury Prevention and Return to Sports After an Injury**

The participant will be able to identify key ways to prevent season ending injuries (improving form, rest, time off from specific sports, warm ups). They will also be able to determine next steps after an injury has occurred (rest, immobilization, rehab, or surgery) and appreciate the importance of a multidisciplinary approach to getting these athletes back to their sports.

**Moderator: Tracy Warhoover, MSN, RN, CPNP**

**10:35 AM–10:40 AM**

Thinking Clearly–Protocol for Return to Sports After a Concussion
Caitlin Parsons, PA-C

**10:41 AM–10:46 AM**

Coming Full Circle–Return to Sport Considerations Following Shoulder Injury/Surgery
Ben Johnson, PA-C

**10:47 AM–10:52 AM**

Orthopaedic Manifestations of Eating Disorders
Ray Kleposki, MSN, CPNP

**10:53 AM–10:58 AM**

Catching Up with the Team–Returning to Play After a Wrist or Hand Injury
John Ansiaux, PA-C

**10:59 AM–11:07 AM**

Discussion
Caitlin Parsons, PA-C
Ben Johnson, PA-C
Ray Kleposki, MSN, CPNP
John Ansiaux, PA-C

**11:08 AM–11:13 AM**

Hip Hip Hooray, When Can I Go Back to Play–Hip Injuries
Valerie Parrish, PA-C
DAILY SCHEDULE
THURSDAY

Adriana Glazier, PA-C

11:20 AM–11:25 AM  Bouncing Back From the Bench–Return to Sports After an Ankle or Foot Injury
Christopher Tremonti, PA-C

11:26 AM–11:35 AM  Discussion
Valerie Parrish, PA-C
Adriana Glazier, PA-C
Christopher Tremonti, PA-C

11:40 AM–12:40 PM  Lunch and Exhibits

12:10 PM–12:40 PM  Lunchtime Career Development (non-CME)

Adriana Glazier, PA-C

11:20 AM–11:25 AM  Bouncing Back From the Bench–Return to Sports After an Ankle or Foot Injury
Christopher Tremonti, PA-C

11:26 AM–11:35 AM  Discussion
Valerie Parrish, PA-C
Adriana Glazier, PA-C
Christopher Tremonti, PA-C

11:40 AM–12:40 PM  Lunch and Exhibits

12:10 PM–12:40 PM  Lunchtime Career Development (non-CME)

1:03 PM–1:08 PM  Questions
Wudbhav (Woody) Sankar, MD
Daniel Perry, MA(Oxon), PhD, FRCS (Orth)
Kishore Mulpuri, MBBS, MS, MHSc, FRCS
Simon Kelley, MBChB, PhD, FRCS

1:09 PM–1:14 PM  MHE Hip Deformity: Elements and Solutions
Mihir Thacker, MD

1:15 PM–1:20 PM  Charcot Marie Tooth: It May See You More Than You See It!
Wudbhav (Woody) Sankar, MD

1:21 PM–1:26 PM  Sickle Cell Anemia and Osteonecrosis of the Hip
Jonathan Schoenecker, MD, PhD

1:27 PM–1:32 PM  Questions
Mihir Thacker, MD
Wudbhav (Woody) Sankar, MD
Jonathan Schoenecker, MD, PhD

1:33 PM–2:00 PM  Cases
Wudbhav (Woody) Sankar, MD
Daniel Perry, MA(Oxon), PhD, FRCS (Orth)
Kishore Mulpuri, MBBS, MS, MHSc, FRCS
Simon Kelley, MBChB, PhD, FRCS
Mihir Thacker, MD
Jonathan Schoenecker, MD, PhD

CME BREAKOUT 2
12:45 PM–2:00 PM

Challenging Hips in the Elementary Years
This session will cover the diagnosis and management of atypical hips in the 6-11 year age group.

Moderator: Wudbhav (Woody) Sankar, MD

12:45 PM–12:50 PM  DDH: Decision-Making in Mild-Moderate Dysplasia
Daniel Perry, MA(Oxon), PhD, FRCS (Orth)

12:51 PM–12:56 PM  DDH: Managing Growth Arrest
Kishore Mulpuri, MBBS, MS, MHSc, FRCS

12:57 PM–1:02 PM  DDH: Late Neglected Dislocations
Simon Kelley, MBChB, PhD, FRCS
### CME BREAKOUT 2

**12:45 PM–2:00 PM**

**Early Onset Scoliosis (Big Curves in Little Kids) and Neuromonitoring Challenges**

Spine geeks rejoice! This two-part interactive breakout will feature all stops on the EOS journey and faculty-led small groups dealing with simulated neuromonitoring changes.

**Moderator:** Firoz Miyanji, MD, FRCSC

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>12:45 PM–12:50 PM</td>
<td>Casting and NonOp Strategies in EOS: Treatment Plan or Delaying Tactic?</td>
<td>Michelle Welborn, MD</td>
</tr>
<tr>
<td>12:51 PM–12:56 PM</td>
<td>Abandon Ship: When to Start the Surgical Journey in EOS</td>
<td>Michael Glotzbecker, MD</td>
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<tr>
<td>12:57 PM–1:02 PM</td>
<td>Conversion of Growing Rods to Final Fusion: Why, When, and How</td>
<td>Lindsay Andras, MD</td>
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<tr>
<td>1:03 PM–1:08 PM</td>
<td>Challenges in Congenital Cervicothoracic Deformity Management</td>
<td>Firoz Miyanji, MD, FRCSC</td>
</tr>
<tr>
<td>1:08 PM–1:12 PM</td>
<td>Discussion</td>
<td>Michelle Welborn, MD, Michael Glotzbecker, MD, Lindsay Andras, MD, Firoz Miyanji, MD, FRCSC</td>
</tr>
</tbody>
</table>

**Case Presentations and Discussion**  
Moderator: Firoz Miyanji, MD, FRCSC  
John (Jack) Flynn, MD  
Jennifer Bauer, MD, MS  
Michael Vitale, MD, MPH  
Jeff Martus, MD

**Adolescent Idiopathic Scoliosis (Small Group-Based Discussion): Neuromonitoring Challenges**

Moderator: Firoz Miyanji, MD, FRCSC  
Facilitator: Michael Vitale, MD, MPH

**Small Group Breakout:** “Responding to Real-Time Neuromonitoring Changes”

Small Group Faculty:  
Robert Cho, MD, FAAOS  
Michael Glotzbecker, MD  
Lindsay Andras, MD  
Jennifer Bauer, MD, MS  
John (Jack) Flynn, MD  
Todd Milbrandt, MD  
Burt Yaszay, MD  
Ron El-Hawary, MD, MSc, FRCS(C)

**Summary: How I Respond to Intraop Monitoring Changes**

Michael Vitale, MD, MPH

“Having attended one of the first IPOS® meetings nearly 20 years ago, I have watched it progress. It allows you to be around the greatest minds in pediatric orthopaedics and learn about nearly any topic that you’re interested in.”

Jeffrey Shilt, MD
## CME BREAKOUT 2  
**12:45 PM–2:00 PM**

### Essentials of Pediatric Orthopaedics II

This session covers the basics of pediatric orthopaedics with a focus on recognition, evaluation, and treatment of common conditions. The information is geared toward residents, fellows, and newer advanced practice providers who desire a strong foundational knowledge and strategy to synthesize clinical data into appropriate treatment plans.

**Moderator: Matthew Oetgen, MD, MBA**

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</table>
| 12:45 PM–12:50 PM | Approach to the Limping Child  
Craig Eberson, MD, FAOA                                                                                 |
| 12:51 PM–12:56 PM | Acute and Chronic MSK Infections  
Raymond Liu, MD                                                                                     |
| 12:57 PM–1:02 PM  | MSK Tumors: Staying Out of Trouble  
Alexandre Arkader, MD                                                                                 |
| 1:03 PM–1:11 PM   | Discussion  
Craig Eberson, MD, FAOA  
Raymond Liu, MD  
Alexandre Arkader, MD                                                                                 |
| 1:12 PM–1:17 PM   | Neonatal Foot (Clubfoot, CVT, Calcaneovalgus, Met Add, Polydactyly)  
Jaime Rice Denning, MD                                                                                |
| 1:18 PM–1:23 PM   | Child/Adolescent Foot (Accessory Navicular, Curly Toes, Hallux Valgus, Pes Planus, Tarsal Coalition)  
Christof Radler, MD                                                                                   |
| 1:24 PM -1:32 PM  | Discussion  
Jaime Rice Denning, MD  
Christof Radler, MD                                                                                   |

## CME BREAKOUT 2  
**12:45 PM–2:00 PM**

### Gait Analysis and Cerebral Palsy Interactive Session

Practical learning of gait impairments and treatment in cerebral palsy, including small group discussion, flipped classroom, and basics of observational and instrumented gait analysis.

**Moderator: M. Wade Shrader, MD**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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| 12:45 PM–12:47 PM | Introduction  
M. Wade Shrader, MD                                                                               |
| 12:48 PM–12:53 PM | Identifying Pathological Gait in CP  
Benjamin Shore, MD, MPH, FRCSC                                                                     |
| 12:54 PM–12:59 PM | How I Approach Gait Analysis: The Diagnostic Matrix  
Jon Davids, MD                                                                                 |
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<th>Time</th>
<th>Event</th>
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<tr>
<td>1:00 PM–1:15 PM</td>
<td>Flipped Classroom: Jump Gait</td>
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<tr>
<td></td>
<td>M. Wade Shrader, MD</td>
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<td>Benjamin Shore, MD, MPH, FRCSC</td>
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<td>Jon Davids, MD</td>
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<td>James McCarthy, MD</td>
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<td>Jennifer Laine, MD</td>
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<td>Rachel Thompson, MD</td>
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<td>1:15 PM–1:30 PM</td>
<td>Flipped Classroom: Miserable Malalignment</td>
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<td>M. Wade Shrader, MD</td>
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<td>Benjamin Shore, MD, MPH, FRCSC</td>
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<td>Jennifer Laine, MD</td>
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<td>Rachel Thompson, MD</td>
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<td>1:30 PM–1:45 PM</td>
<td>Flipped Classroom: Adolescent Crouch Gait</td>
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<td>M. Wade Shrader, MD</td>
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<td>Benjamin Shore, MD, MPH, FRCSC</td>
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<td>Jennifer Laine, MD</td>
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<td>Rachel Thompson, MD</td>
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<td>1:46 PM–1:50 PM</td>
<td>Master Review Case 1 (Jump Gait): Take Home Points</td>
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<td></td>
<td>James McCarthy, MD</td>
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<tr>
<td>1:51 PM–1:55 PM</td>
<td>Master Review Case 2 (Miserable Malalignment): Take Home Points</td>
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<td></td>
<td>Jennifer Laine, MD</td>
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<tr>
<td>1:56 PM–2:00 PM</td>
<td>Master Review Case 3 (Adolescent Crouch Gait): Take Home Points</td>
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<td>Rachel Thompson, MD</td>
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<tr>
<td>2:05 PM–2:25 PM</td>
<td>Break and Exhibits</td>
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**CME BREAKOUT 2**

**12:45 PM–2:00 PM**

**Ponseti Casting (Hands-on)**

This session will provide a brief introduction with Ponseti casting and bracing tips and tricks followed by a Hands-on casting lab with ample opportunity to learn and practice. Braces will also be available to practice application.

**Moderator: Maryse Bouchard, MD, MSc**

**12:45 PM–12:50 PM**

**Clubfoot Ponseti Video**

Derek Kelly, MD, FAAOS, FAOA

**12:51 PM–12:56 PM**

**5 Things to Do for the Complex Clubfoot**

Javier Masquijo, MD

**12:57 PM–1:03 PM**

**5 Things Never to Do When Casting Clubfeet**

Todd Milbrandt, MD

**1:04 PM–1:09 PM**

**5 Things to Do for Running the Optimal Clubfoot Clinic**

Kenneth Noonan, MD, MHCDS

**1:09 PM–1:15 PM**

**Flipped Classroom: Jump Gait**

M. Wade Shrader, MD

Benjamin Shore, MD, MPH, FRCSC

Jon Davids, MD

James McCarthy, MD

Jennifer Laine, MD

Rachel Thompson, MD

**1:15 PM–1:30 PM**

**Flipped Classroom: Miserable Malalignment**

M. Wade Shrader, MD

Benjamin Shore, MD, MPH, FRCSC

Jon Davids, MD

James McCarthy, MD

Jennifer Laine, MD

Rachel Thompson, MD

**1:30 PM–1:45 PM**

**Flipped Classroom: Adolescent Crouch Gait**

M. Wade Shrader, MD

Benjamin Shore, MD, MPH, FRCSC

Jon Davids, MD

James McCarthy, MD

Jennifer Laine, MD

Rachel Thompson, MD

**1:45 PM–1:50 PM**

**Master Review Case 1 (Jump Gait): Take Home Points**

James McCarthy, MD

**1:50 PM–1:55 PM**

**Master Review Case 2 (Miserable Malalignment): Take Home Points**

Jennifer Laine, MD

**1:55 PM–1:59 PM**

**Master Review Case 3 (Adolescent Crouch Gait): Take Home Points**

Rachel Thompson, MD

**2:00 PM–2:05 PM**

**Break and Exhibits**

**Moderator: Clubfoot Ponseti Video**

Derek Kelly, MD, FAAOS, FAOA
## DAILY SCHEDULE
### THURSDAY

### CONCURRENT SESSION 2
**2:30 PM–4:00 PM**

### Upper Extremity and Sports Case-Based Learning
Shoulder, elbow, and wrist instability are common and often challenging problems in the pediatric athlete. Join our esteemed experts for this case-based session on sports injuries of the upper limb!

**Moderator:** Donald Bae, MD  
**eModerator:** Christine Ho, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
</tr>
</thead>
</table>
| 2:30 PM–2:32 PM | Introduction  
Moderator: Donald Bae, MD |                                                                                                                                    |
| 2:33 PM–2:38 PM | Ulnar Sided Wrist Pain: A Black Box?  
Lindley Wall, MD, MSc |                                                                                                                                    |
| 2:39 PM–2:46 PM | ECU Instability: Case  
Andrea Bauer, MD |                                                                                                                                    |
| 2:47 PM–2:54 PM | Ulnar Impaction Secondary to Gymnast Wrist: Case  
Julie Samora, MD, PhD |                                                                                                                                    |
| 2:55 PM–3:02 PM | Discussion  
Lindley Wall, MD, MSc  
Andrea Bauer, MD  
Julie Samora, MD, PhD |                                                                                                                                    |
| 3:03 PM–3:08 PM | Scapula Alata: Diagnosis and Management  
Theodore Ganley, MD |                                                                                                                                    |
| 3:09 PM–3:16 PM | SC Traumatic Fracture/Dislocation: Case  
Mininder Kocher, MD, MPH |                                                                                                                                    |
| 3:17 PM–3:24 PM | AC Joint: A Case of Separation Anxiety  
Eric Edmonds, MD |                                                                                                                                    |
| 3:25 PM–3:32 PM | Discussion  
Theodore Ganley, MD  
Mininder Kocher, MD, MPH  
Eric Edmonds, MD |                                                                                                                                    |

### CONCURRENT SESSION 2
**2:30 PM–4:00 PM**

### When a Clubfoot That Isn’t Just a Clubfoot—Managing Clubfeet in Infants with Syndromes and Multiple Deformities
This session will discuss complexities and controversies in clubfoot management of children with concurrent medical and orthopaedic issues.

**Moderator:** Maryse Bouchard, MD, MSc

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
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</thead>
</table>
| 2:30 PM–2:32 PM | Welcome Remarks  
Moderator: Maryse Bouchard, MD, MSc |                                                                                                                                    |
| 2:33 PM–2:58 PM | Clubfoot in the Infant with Concurrent Orthopaedic and Medical Diagnoses  
Moderator: Maryse Bouchard, MD, MSc |                                                                                                                                    |
| 2:33 PM–2:38 PM | The Infant with Clubfoot and DDH  
Mihir Thacker, MD |                                                                                                                                    |
| 2:39 PM–2:44 PM | The Infant with Ipsilateral Clubfoot and Congenital Knee Dislocation  
Alaric Aroojis, MS, D’Ortho, DNB |                                                                                                                                    |
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<tr>
<th>Time</th>
<th>Event</th>
<th>Faculty</th>
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<tr>
<td>2:45 PM–2:50 PM</td>
<td>The Infant with Clubfoot Requiring a Prolonged NICU Admission</td>
<td>Derek Kelly, MD, FAAOS, FAOA</td>
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<tr>
<td>2:51 PM–2:58 PM</td>
<td>Discussion</td>
<td>Maryse Bouchard, MD, MSc, Mihir Thacker, MD, Alaric Aroojis, MS, D’Ortho, DNB, Derek Kelly, MD, FAAOS</td>
</tr>
<tr>
<td>2:59 PM–3:28 PM</td>
<td>The Stiff Non-Idiopathic Clubfoot</td>
<td>Moderator: Alaric Aroojis, MS, D’Ortho, DNB</td>
</tr>
<tr>
<td>2:59 PM–3:05 PM</td>
<td>The Infant with a Stiff Arthrogryposis Clubfoot</td>
<td>L. Reid Boyce Nichols, MD, FAAOS</td>
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<tr>
<td>3:06 PM–3:12 PM</td>
<td>The Infant with an Equinovarus Foot with Fibular Hemimelia</td>
<td>Anthony Riccio, MD</td>
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<tr>
<td>3:13 PM–3:19 PM</td>
<td>The Infant with a Clubfoot and Amniotic Bands</td>
<td>Javier Masquijo, MD</td>
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<tr>
<td>3:20 PM–3:28 PM</td>
<td>Discussion</td>
<td>Alaric Aroojis, MS, D’Ortho, DNB, L. Reid Boyce Nichols, MD, FAAOS, Anthony Riccio, MD, Javier Masquijo, MD</td>
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<tr>
<td>3:29 PM–4:00 PM</td>
<td>The Neuromuscular and Syndromic Clubfoot</td>
<td>Moderator: Anthony Riccio, MD</td>
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<tr>
<td>3:29 PM–3:35 PM</td>
<td>Clubfoot in Children with Trisomy 21</td>
<td>Kenneth Noonan, MD, MHCDS</td>
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<td>3:36 PM–3:42 PM</td>
<td>Clubfoot in Children with Spina Bifida</td>
<td>Vishwas Talwalkar, MD</td>
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<td>3:42 PM–3:48 PM</td>
<td>The Undiagnosed Paralytic Clubfoot</td>
<td>Jaime Rice Denning, MD</td>
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<tr>
<td>3:49 PM–4:00 PM</td>
<td>Discussion</td>
<td>Anthony Riccio, MD, Kenneth Noonan, MD, MHCDS, Vishwas Talwalkar, MD, FAAOS, Jaime Rice Denning, MD</td>
</tr>
<tr>
<td>3:00 PM–3:45 PM</td>
<td>Pavlik on the Go (Hands-on)</td>
<td>Join the faculty for a Hands-on experience to learn bracing tips and tricks, including the Pavlik method and other commonly used braces used to treat hip dysplasia.</td>
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<tr>
<td>3:00 PM–3:45 PM</td>
<td>Halo on the Go (Hands-on)</td>
<td>Brief introduction with Halo tips and tricks with the opportunity to learn and practice on a simulator with real equipment.</td>
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<tr>
<td>3:29 PM–4:00 PM</td>
<td>The Neuromuscular and Syndromic Clubfoot</td>
<td>Moderator: Anthony Riccio, MD</td>
</tr>
<tr>
<td>3:29 PM–3:35 PM</td>
<td>Clubfoot in Children with Trisomy 21</td>
<td>Kenneth Noonan, MD, MHCDS</td>
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<tr>
<td>5:00 PM–7:30 PM</td>
<td>Top Gun Surgical Skills Competition (non-CME)</td>
<td>(by invitation only)</td>
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**Friday, December 8**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tr>
<td>7:00 AM–3:00 PM</td>
<td>Registration</td>
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<tr>
<td>7:00 AM–8:00 AM</td>
<td>Breakfast and Exhibits</td>
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### CONCURRENT SESSION 3

**8:05 AM–9:35 PM**

**Course for Mid-Career Surgeons**

Been an attending for a while and trying to get to the next level? Want to be a better teacher, speaker, mentor, and leader? Who doesn’t? Join us for the interactive Leadership Institute, Teach the Teacher 2.0, and a panel discussion for new leaders.

**Moderator:** James McCarthy, MD  
**Moderator:** Suken Shah, MD, FAOA, FAAOS

<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tr>
<td>8:05 AM–8:30 AM</td>
<td>IPOS® XC Leadership Institute</td>
<td>James McCarthy, MD</td>
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<tr>
<td>8:05 AM–8:09 AM</td>
<td>Managing Your Team</td>
<td>Peter Waters, MD, MMSc</td>
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<td>8:10 AM–8:14 AM</td>
<td>Managing Up</td>
<td>Daniel Sucato, MD, MS</td>
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<td>8:20 AM–8:24 AM</td>
<td>Managing Your Emotional Intelligence (EQ 101)</td>
<td>Jeffrey Sawyer, MD</td>
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<td>8:25 AM–8:30 AM</td>
<td>Discussion</td>
<td>James McCarthy, MD</td>
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<td>Panelists:</td>
<td>Peter Waters, MD, MMSc</td>
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<td>Daniel Sucato, MD, MS</td>
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<td>Jeffrey Sawyer, MD</td>
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<td>8:31 AM–8:54 AM</td>
<td>Teach the Teacher 2.0</td>
<td>Craig Eberson, MD, FAOA</td>
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<td>Thomas McPartland, MD</td>
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<td>Sandra Jarvis-Selinger, PhD</td>
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<td>8:55 AM–9:00 AM</td>
<td>Discussion</td>
<td>Sandra Jarvis-Selinger, PhD</td>
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<tr>
<td>9:00 AM–9:06 AM</td>
<td>Answering Challenging Questions and Messaging with Intention (Media Training)</td>
<td>Sandra Jarvis-Selinger, PhD</td>
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<td>9:07 AM–9:12 AM</td>
<td>Soliciting Feedback to Improve Leadership Skills</td>
<td>James McCarthy, MD</td>
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<td>9:13 AM–9:29 AM</td>
<td>I Just Became Division Chief … Now What?</td>
<td>James McCarthy, MD</td>
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<td>Panelists:</td>
<td>Michael Glotzbecker, MD</td>
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<td>Corinna Franklin, MD</td>
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<td>Lindley Wall, MD, MSc</td>
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<td>Burt Yaszay, MD</td>
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<td>9:30 AM–9:35 AM</td>
<td>Changing Jobs Mid Career–Opportunities and Challenges</td>
<td>Todd Milbrandt, MD</td>
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</tbody>
</table>

“It’s a really big deal to be able to collaborate with APPs, residents, and physicians at IPOS® and then translate that back to what we are doing at our home institutions.”

Valerie Parrish, PA-C
CONCURRENT SESSION 3
8:05 AM–9:35 PM

Femoroacetabular Impingement: Where Are We in 2023?
This session will highlight the state of the art in treatment of FAI, etiology, and diagnosis.

Moderator: Jonathan Schoenecker, MD, PhD

8:05 AM–8:10 AM  FAI Is More Than Just Cam
Jonathan Schoenecker, MD, PhD

8:11 AM–8:16 AM  Is It FAI or Is It Normal?
Mininder Kocher, MD, MPH

8:17 AM–8:22 AM  Where’s This Stuff Coming From? Theories on the Etiology of FAI
Jennifer Laine, MD

8:23 AM–8:28 AM  Natural History of FAI
Wudbhav (Woody) Sankar, MD

8:29 AM–8:34 AM  Questions
Jonathan Schoenecker, MD, PhD
Mininder Kocher, MD, MPH
Jennifer Laine, MD
Wudbhav (Woody) Sankar, MD

8:35 AM–8:40 AM  Arthroscopy for FAI: Pelvic Side; Technique and Results
Henry Ellis, MD

8:41 AM–8:46 AM  Acetabular Retroversion: When to Work on the Pelvis
V. Salil Upasani, MD

8:47 AM–8:52 AM  Arthroscopy for FAI: Femoral Side; Technique, and Results
Manoj Ramachandran, MD, FRCS (Orth)

8:53 AM–8:58 AM  SHD: When is Open the Better Way to Go for FAI?
Daniel Sucato, MD, MS

8:59 AM–9:04 AM  Questions
Henry Ellis, MD
V. Salil Upasani, MD
Manoj Ramachandran, MD, FRCS (Orth)
Daniel Sucato, MD, MS

9:05 AM–9:35 AM  Challenging FAI Cases
Moderator: Jonathan Schoenecker, MD, PhD
Panelists:
Manoj Ramachandran, MD, FRCS (Orth)
Henry Ellis, MD
V. Salil Upasani, MD
Daniel Sucato, MD, MS
Mininder Kocher, MD, MPH

CONCURRENT SESSION 3
8:05 AM–9:35 PM

Neuromuscular Scoliosis and Syndromic Spine
Complex spine topics for neuromuscular and syndromic patients who require optimization before life-changing surgery. Faculty review preoperative, intraoperative, and postoperative care pathways to get the job done well.

Moderator: Ron El-Hawary, MD, MSc,FRCS(C)
Moderator: Lindsay Andras, MD

8:05 AM–8:10 AM  Neuromuscular Scoliosis: The Biomechanics of Deformity Correction: Tips and Tricks on How to Correct an NM Curve
Burt Yaszay, MD

8:11 AM–8:16 AM  The Role and Value of Traction in NM Deformity
Scott Luhmann, MD

8:17 AM–8:22 AM  Where’s This Stuff Coming From? Theories on the Etiology of FAI
Jennifer Laine, MD

8:23 AM–8:28 AM  Natural History of FAI
Wudbhav (Woody) Sankar, MD

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8:47 AM–8:52 AM  Arthroscopy for FAI: Femoral Side; Technique, and Results
Manoj Ramachandran, MD, FRCS (Orth)
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<tr>
<th>Time</th>
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<tr>
<td>8:17 AM–8:22 AM</td>
<td>Stopping Short of the Pelvis: When You Can and When You Shouldn’t</td>
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<td></td>
<td>Lindsay Andras, MD</td>
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<td>8:23 AM–8:28 AM</td>
<td>Discussion</td>
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<td></td>
<td>Burt Yaszay, MD</td>
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<td>Scott Luhmann, MD</td>
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<td>Lindsay Andras, MD</td>
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<td>8:29 AM–8:34 AM</td>
<td>Setting the Stage: What Is Quality, Safety, Value, in Spine and Healthcare</td>
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<td>and How Is the Landscape Is Changing?</td>
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<td></td>
<td>Michael Vitale, MD</td>
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<td>8:35 AM–8:40 AM</td>
<td>Optimizing the Patient’s Surgical Journey I: How to Optimize and</td>
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<td>Prepare the NM Patient Preoperatively</td>
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<td>Robert Cho, MD, FAAOS</td>
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<td>8:41 AM–8:46 AM</td>
<td>Optimizing the Patient’s Surgical Journey II: Operating Room Team</td>
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<td>Culture—How to Build It and Why It Helps</td>
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<td>Firoz Miyanji, MD, FRCSC</td>
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<td>8:47 AM–8:52 AM</td>
<td>Optimizing the Patient’s Surgical Journey III: Care Pathways and ERAS</td>
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<td>in NM patients. Is This Feasible and the Future Model of Care Delivery?</td>
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<td>Nicholas Fletcher, MD</td>
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<td>8:53 AM–8:58 AM</td>
<td>Discussion</td>
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<td></td>
<td>Michael Vitale, MD, MPH</td>
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<td>Robert Cho, MD, FAAOS</td>
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<td>Firoz Miyanji, MD, FRCSC</td>
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<td>Nicholas Fletcher, MD</td>
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<td>8:59 AM–9:04 AM</td>
<td>My Approach to DMD and SMA in 2023—How Medical Management Has Changed</td>
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<td>My Practice</td>
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<td>Michelle Welborn, MD</td>
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<td>9:05 AM–9:10 AM</td>
<td>My 5 Pearls for Managing Myelomeningocele Spinal Deformity</td>
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<td>Jeffrey Sawyer, MD</td>
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<td>9:11 AM–9:16 AM</td>
<td>Neuromuscular Scoliosis Tweeners: The Rationale for Early Fusion</td>
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<td></td>
<td>Craig Louer Jr., MD</td>
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<td>9:17 AM–9:35 AM</td>
<td>Rapid Fire Case Panel: Neuromuscular Spine Deformity</td>
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<td>Moderator: Ron El-Hawary, MD, MSc, FRCS(C)</td>
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<td>Panelists: Jeffrey Sawyer, MD, Nicholas Fletcher, MD, Scott Luhmann, MD</td>
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<td>Jeff Martus, MD, MS</td>
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**APP CME BREAKOUT 3**

**8:05 AM–9:35 AM**

Respect the Past, Embrace the Future—Recent Advances in Treatment Options for Common Sports Injuries in the Adolescent Athlete

The participant will be introduced to the top changes and advancements in treatment options and surgeries for common sports injuries. The participants will have an opportunity to learn ultrasound-guided joint injections and aspirations through a Hands-on portion.

**Moderator: Ray Kleposki, MSN, CPNP**

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>8:05 AM–8:11 AM</td>
<td>Don’t Play Through the Pain—Treatment Options for Shoulder Injuries</td>
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<td>Ben Johnson, PA-C</td>
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<td>8:12 AM–8:18 AM</td>
<td>It’s Up for Debate—Treatment of Common Elbow Injuries in the Adolescent</td>
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<td>Athlete</td>
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<td>Henry Ellis, MD</td>
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### GENERAL SESSION 3

**12:15 PM–2:15 PM**

**Author’s Preferred Techniques**

An IPOS® signature session! Join our international faculty as they share master surgical techniques and soft skills in short, video-based presentations.

**Moderator:** Suken Shah, MD, FAOA, FAAOS  
**eModerator:** Christine Ho, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
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</table>
| 12:15 PM–12:16 PM | **Introduction**  
Co-Director: Suken Shah, MD, FAOA, FAAOS  
Co-Director: Christine Ho, MD |
| 12:17 PM–12:22 PM | **Tibial Tubercle Periosteum Transfer (TTPT) for Patella Instability**  
Javier Masquijo, MD |
| 12:23 PM–12:28 PM | **Modified Brostrom Repair for Ankle Instability**  
Eric Edmonds, MD |
| 12:29 PM–12:34 PM | **Patellar Sleeve Fracture: Recognition and Management**  
Corinna Franklin, MD |
| 12:35 PM–12:40 PM | **Discussion**  
Hands-on Faculty: Pablo Casteñeda, MD  
Valerie Parrish, PA-C |
| 12:41 PM–12:46 PM | **First MTP Arthrodesis**  
M. Wade Shrader, MD |
| 12:47 PM–12:52 PM | **Cavus Foot Reconstruction**  
Anthony Riccio, MD |
| 12:53 PM–12:58 PM | **Intraoperative Distraction for Severe Spinal Deformity**  
Robert Cho, MD, FAAOS |
<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>12:59 PM–1:04 PM</td>
<td>Discussion</td>
<td>Moderator: Suken Shah, MD, FAOA, FAAOS</td>
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<td>eModerator: Christine Ho, MD</td>
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<tr>
<td>1:05 PM–1:10 PM</td>
<td>Hybrid Spine Surgery: Selective Thoracic Fusion and Lumbar Vertebral Body Tethering</td>
<td>Firoz Miyanji, MD, FRCSC</td>
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<td>1:11 PM–1:16 PM</td>
<td>Machine Vision Image Guided Navigation in Spine Surgery</td>
<td>Derek Kelly, MD, FAASOS</td>
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<td>1:17 PM–1:22 PM</td>
<td>Modified Bohlman Procedure for High-Grade Spondylolisthesis Reconstruction</td>
<td>Suken Shah, MD, FAOA, FAAOS</td>
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<td>1:23 PM–1:28 PM</td>
<td>Discussion</td>
<td>Moderator: Suken Shah, MD, FAOA, FAAOS</td>
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<td>eModerator: Christine Ho, MD</td>
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<tr>
<td>1:29 PM–1:34 PM</td>
<td>Pollicization: How to Do It and What Not to Do</td>
<td>Julie Samora, MD, PhD</td>
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<td>1:35 PM–1:40 PM</td>
<td>ORIF of Thumb Salter-Harris 3 Fracture (Pediatric Gamekeeper)</td>
<td>Donald Bae, MD</td>
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<td>1:41 PM–1:46 PM</td>
<td>Distal Femoral Physeal Fractures: Pearls and Pitfalls</td>
<td>Simon Kelley, MBChB, PhD, FRCS</td>
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<td>1:47 PM–1:52 PM</td>
<td>Discussion</td>
<td>Moderator: Suken Shah, MD, FAOA, FAAOS</td>
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<td>eModerator: Christine Ho, MD</td>
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<tr>
<td>1:53 PM–1:58 PM</td>
<td>Combo PAO/SHD and Osteochondral Allograft for Symptomatic Femoral Head OCD</td>
<td>Daniel Sucato, MD, MS</td>
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<tr>
<td>1:59 PM–2:04 PM</td>
<td>Reconsidering How You Should Code for Fractures</td>
<td>Matthew Oetgen, MD, MBA</td>
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<tr>
<td>2:05 PM–2:10 PM</td>
<td>Why and How to Be a Better Listener</td>
<td>Lindsay Andras, MD</td>
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<td>2:11 PM–2:15 PM</td>
<td>Discussion and Audience Voting</td>
<td>Moderator: Suken Shah, MD, FAOA, FAAOS</td>
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<td>eModerator: Christine Ho, MD</td>
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<tr>
<td>2:15 PM–2:30 PM</td>
<td>Awards: Presentation of Resident Cases, Top Gun, and Author's Preferred Techniques</td>
<td>Co-Director: Derek Kelly, MD, FAASOS, FAOA</td>
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<td>2:35 PM–2:55 PM</td>
<td>Break and Exhibits</td>
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**CME BREAKOUT 3**

**3:00 PM–4:15 PM**

**Congenital Vertical Talus: Topic Update and Hands-on Casting**

This session will discuss current practices and controversies in CVT management and will provide a Hands-on casting session for practice.

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>3:00 PM–3:05 PM</td>
<td>Welcome Remarks</td>
<td>Moderator: Maryse Bouchard, MD, MSc</td>
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<tr>
<td>3:05 PM–3:12 PM</td>
<td>CVT—Making the Diagnosis and Initial Assessment</td>
<td>Todd Milbrandt, MD</td>
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<td>3:06 PM</td>
<td><strong>AI in Medical Imaging: Taking Ideas to Market</strong></td>
<td>3:12 PM</td>
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<td>3:07 PM</td>
<td>Manoj Ramachandran, MD, FRCS (Orth)</td>
<td>3:18 PM</td>
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<tr>
<td>3:10 PM</td>
<td><strong>Discussion</strong></td>
<td>3:25 PM</td>
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<td>3:10 PM</td>
<td>Kevin Shea, MD</td>
<td>3:30 PM</td>
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<td>3:14 PM</td>
<td><strong>Bringing Digital Solutions to Pediatric Orthopaedics</strong></td>
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<td>3:14 PM</td>
<td>Manoj Ramachandran, MD, FRCS (Orth)</td>
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<td>3:18 PM</td>
<td><strong>Discussion</strong></td>
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<td>3:18 PM</td>
<td>Kevin Shea, MD</td>
<td>3:43 PM</td>
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<td>3:21 PM</td>
<td><strong>Healthcare Data: Moving from Web 2.0 to 3.0</strong></td>
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<td>3:22 PM</td>
<td>Manoj Ramachandran, MD, FRCS (Orth)</td>
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<td>3:31 PM</td>
<td><strong>Discussion</strong></td>
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<td>3:33 PM</td>
<td>Jennifer Bauer, MD, MS</td>
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<td>3:36 PM</td>
<td><strong>What to Do When Initial Management Fails</strong></td>
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<td>3:36 PM</td>
<td>Maryse Bouchard, MD, MSc</td>
<td>3:56 PM</td>
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<td>3:41 PM</td>
<td><strong>Managing the Arthrogrypotic or Syndromic CVT</strong></td>
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<td>3:41 PM</td>
<td>Anthony Riccio, MD</td>
<td>4:02 PM</td>
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<td>3:44 PM</td>
<td><strong>CME BREAKOUT 3</strong></td>
<td>4:02 PM</td>
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<td>3:44 PM</td>
<td><strong>Course for Mid-Career Surgeons</strong></td>
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<tr>
<td>3:44 PM</td>
<td>Digital innovation in pediatric orthopaedics: from AI to social media. PLUS, we’ve added a can’t</td>
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<td>3:44 PM</td>
<td>miss session on personal financial management.</td>
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<td>3:47 PM</td>
<td><strong>Moderator: James McCarthy, MD</strong></td>
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<td><strong>Moderator: Kevin Shea, MD</strong></td>
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<td>3:50 PM</td>
<td><strong>Digital Solutions in Peds Ortho</strong></td>
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<td>3:50 PM</td>
<td><strong>Integrating Imaging Into Pediatric Orthopaedics: Current and Future Opportunities</strong></td>
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<td>Kevin Shea, MD</td>
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**Digital Solutions in Peds Ortho**

- Integrating Imaging Into Pediatric Orthopaedics: Current and Future Opportunities
  - Kevin Shea, MD

**CME BREAKOUT 3**

- Digital innovation in pediatric orthopaedics: from AI to social media. PLUS, we’ve added a can’t miss session on personal financial management.
- **Moderator: James McCarthy, MD**
- **Moderator: Kevin Shea, MD**

**Course for Mid-Career Surgeons**

- Digital innovation in pediatric orthopaedics: from AI to social media. PLUS, we’ve added a can’t miss session on personal financial management.
- **Moderator: James McCarthy, MD**
- **Moderator: Kevin Shea, MD**
### CME BREAKOUT 3
**3:00 PM–4:15 PM**

#### Growth Modulation of the Spine
Experts discuss and debate the latest in growth assessment, modulation, and VBT. Faculty will also cover patient assessment, selection, and best practices in this session.

**Moderator:** Stefan Parent, MD, PhD, FRCS(C)

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<th>Time</th>
<th>Topic</th>
<th>Presenters</th>
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<tr>
<td>3:00 PM–3:01 PM</td>
<td><strong>Introduction</strong>&lt;br&gt;Moderator: Stefan Parent, MD, PhD, FRCS(C)</td>
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<tr>
<td>3:01 PM–3:06 PM</td>
<td><strong>Spinal Growth: Current Concepts and Best Methods to Predict</strong>&lt;br&gt;Michelle Welborn, MD</td>
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<td>3:07 PM–3:12 PM</td>
<td><strong>Brace Treatment for Scoliosis: Best Practices</strong>&lt;br&gt;Kali Tileston, MD, FAAOS</td>
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<td>3:13 PM–3:18 PM</td>
<td><strong>VBT: Ideal Patient Selection and the Preop Discussion</strong>&lt;br&gt;Stefan Parent, MD, PhD, FRCS(C)</td>
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<td>3:19 PM–3:25 PM</td>
<td><strong>VBT: Tips/Tricks and Complication Avoidance</strong>&lt;br&gt;Firoz Miyanji, MD, FRCSC</td>
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<td>3:26 PM–3:35 PM</td>
<td><strong>Discussion</strong>&lt;br&gt;Michelle Welborn, MD&lt;br&gt;Kali Tileston, MD, FAAOS&lt;br&gt;Stefan Parent, MD, PhD, FRCS(C)&lt;br&gt;Firoz Miyanji, MD, FRCSC</td>
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<tr>
<td>3:36 PM–3:39 PM</td>
<td><strong>Debate: Lenke 1C, 3C, and 6C Curves in Skeletally Immature, Active Patient</strong>&lt;br&gt;Ron El-Hawary, MD, MSc, FRCS(C)</td>
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#### CME BREAKOUT 3
**3:00 PM–4:15 PM**

#### Pelvic Osteotomies Part 2: Triple, PAO (Hands-on)
Part 2: Triple and Periacetabular Osteotomies

**Moderator:** Daniel Sucato, MD, MS

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<th>Time</th>
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<tr>
<td>3:00 PM–3:09 PM</td>
<td><strong>PAO</strong>&lt;br&gt;Daniel Sucato, MD, MS</td>
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<tr>
<td>3:10 PM–3:19 PM</td>
<td><strong>Triple Osteotomy</strong>&lt;br&gt;V. Salil Upasani, MD</td>
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<tr>
<td>3:20 PM–4:15 PM</td>
<td><strong>Table Instruction</strong>&lt;br&gt;Hands-on Faculty: Daniel Sucato, MD, MS&lt;br&gt;Jonathan Schoenecker, MD, PhD&lt;br&gt;Wudbhav (Woody) Sankar, MD&lt;br&gt;V. Salil Upasani, MD&lt;br&gt;Thomas McPartland, MD&lt;br&gt;Pablo Castañeda, MD</td>
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**Saturday, December 10**

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<tr>
<td>7:00 AM–8:00 AM</td>
<td>Breakfast</td>
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<tr>
<td>8:00 AM–10:00 AM</td>
<td>Registration</td>
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**CONCURRENT SESSION 4**

**8:05 AM–9:35 AM**

**Managing Congenital Differences Below the Knee**

Small Group Interactive Case-Based Learning on Lower Extremity Deficiencies Below the Knee

**Moderator:**
L. Reid Boyce Nichols, MD, FAOA, FAAOS

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 8:05 AM–8:07 AM | Introduction
Moderator: L. Reid Boyce Nichols, MD, FAOA, FAAOS |
| 8:08 AM–8:15 AM | Case 1: Congenital Differences: Working the Problem: Life Plans and Other Decision-Making
Phillip McClure, MD |
| 8:16 AM–8:23 AM | Case 2: Congenital Differences: The Femur Bone Is Connected to the Shin Bones (Or Not)
Christof Radler, MD |
| 8:24 AM–8:32 AM | Discussion
L. Reid Boyce Nichols, MD, FAOA, FAAOS
Phillip McClure, MD
Christof Radler, MD
David Podeszwa, MD
Jeanne Franzone, MD
Mihir Thacker, MD
Anthony Riccio, MD |
| 8:33 AM–8:39 AM | Case 3: Congenital Differences: SUPER SUPER: When to Address Both the Knee and Ankle in Fibular Hemimelia
Phillip McClure, MD |
| 8:40 AM–8:48 AM | Discussion
L. Reid Boyce Nichols, MD, FAOA, FAAOS
Phillip McClure, MD
Christof Radler, MD
David Podeszwa, MD
Jeanne Franzone, MD
Mihir Thacker, MD
Anthony Riccio, MD |
| 8:49 AM–8:55 AM | Case 4: Congenital Differences: This Ankle Is Dynamic!
David Podeszwa, MD |
| 8:56 AM–9:04 AM | Discussion
L. Reid Boyce Nichols, MD, FAOA, FAAOS
Phillip McClure, MD
Christof Radler, MD
David Podeszwa, MD
Jeanne Franzone, MD
Mihir Thacker, MD
Anthony Riccio, MD |
Jeanne Franzone, MD |
| 9:12 AM–9:18 AM | Discussion
L. Reid Boyce Nichols, MD, FAOA, FAAOS
Phillip McClure, MD
Christof Radler, MD
David Podeszwa, MD
Jeanne Franzone, MD
Mihir Thacker, MD
Anthony Riccio, MD |
L. Reid Boyce Nichols, MD, FAOA, FAAOS |
### DAILY SCHEDULE

**SATURDAY**

#### 9:25 AM–9:32 AM
**Discussion**
L. Reid Boyce Nichols, MD, FAOA, FAAOS  
Phillip McClure, MD  
Christof Radler, MD  
David Podeszwa, MD  
Jeanne Franzione, MD  
Mihir Thacker, MD  
Anthony Riccio, MD

#### 7:55 AM–8:07 AM
**Recruitment for Peds Ortho, Pipeline Options, and What Can We Do Everyday?**  
Moderator: James McCarthy, MD  
Panelists: Corinna Franklin, MD  
Jaysson Brooks, MD  
Jennifer Bauer, MD, MS  
Michelle Welborn, MD  
Amy McIntosh, MD

#### 9:33 AM–9:35 AM
**Wrap Up**
L. Reid Boyce Nichols, MD, FAOA, FAAOS

#### 8:08 AM–8:18 AM
**Innovations in Surgical Coaching**
Benjamin Shore, MD, MPH, FRCSC

#### 8:19 AM–8:25 AM
**Simulation in Pediatric Orthopaedic Education**
Todd Milbrandt, MD

#### 8:26 AM–8:31 AM
**QI 101: How to Do a Hospital-Based Quality Project**
Michael Glotzbecker, MD

#### 8:32 AM–8:42 AM
**Pediatric Orthopedic Coding: How the Sausage Gets Made**
Kevin Neal, MD

#### 8:43 AM–8:48 AM
**How a Very Busy Surgeon Can Make PLENTY of Time for Family, Fun, and Volunteer Leadership**
John (Jack) Flynn, MD

#### 8:49 AM–8:56 AM
**Mentorship: Paying It Forward**
Suken Shah, MD, FAOA, FAAOS

#### 8:57 AM–9:02 AM
**Clinical Research: Intention to Action**
John Lovejoy III, MD, FAAOS

#### 9:03 AM–9:09 AM
**ABOS Re-Certification: What’s New and the WLA Pathway Explained**
John (Jack) Flynn, MD

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### CONCURRENT SESSION 4

**7:30 AM–9:30 AM**

**Course for Mid-Career Surgeons**
This session is a must for fellowship program directors and all aspiring leaders in pediatric orthopaedics. We will dig into up-to-the-minute news on pediatric orthopaedic fellowships, the POSNA Workforce Initiative, skills for division chiefs, chairs, and practice leads... and don’t miss the updates on coding and ABOS re-certification.

**Moderator: James McCarthy, MD**  
**Moderator: Suken Shah, MD, FAOA, FAAOS**

#### 7:30 AM–7:40 AM
**Fellowship Update**
Meghan Imrie, MD

#### 7:41 AM–7:47 AM
**POSNA Workforce Initiative Update**
Wudbhav (Woody) Sankar, MD

#### 7:48 AM–7:54 AM
**PSSP: Where Are We Now, What Your Center Needs to Know, Where Are We Going?**  
Kevin Shea, MD  
Kali Tileston, MD, FAAOS
9:10 AM–9:20 AM  Compensation Models in Peds Ortho Drive Desired Behaviors and Institutional Strategy James McCarthy, MD

9:21 AM–9:30 AM  Discussion Moderator: James McCarthy, MD

9:40 AM–10:00 AM  Break

10:38 AM–10:43 AM  Practice Management: Practical Integration of Research into a Busy Clinical Practice Wudbhav (Woody) Sankar, MD

10:44 AM–10:52 AM  Discussion Matthew Oetgen, MD, MBA Robert Cho, MD, FAAOS Wudbhav (Woody) Sankar, MD

10:53 AM–10:58 AM  Child Abuse John (Jack) Flynn, MD

10:59 AM–11:04 AM  Lower Extremity Trauma in the Outpatient Setting John Lovejoy III, MD, FAAOS

11:05 AM–11:10 AM  Upper Extremity Trauma in the Outpatient Setting Christine Ho, MD

11:11 AM–11:20 AM  Discussion Matthew Oetgen, MD, MBA John (Jack) Flynn, MD John Lovejoy III, MD, FAAOS Christine Ho, MD

CME BREAKOUT 4
10:05 AM–11:20 AM  Essentials of Pediatric Orthopaedics III

This session covers the basics of pediatric orthopaedics with a focus on recognition, evaluation, and treatment of common conditions. The information is geared toward residents, fellows, and newer advanced practice providers who desire a strong foundational knowledge and strategy to synthesize clinical data into appropriate treatment plans.

Moderator: Matthew Oetgen, MD, MBA

10:05 AM -10:10 AM  AIS, EOS, NM Scoli: Bracing, Casting, Therapy Lindsay Andras, MD

10:11 AM–10:16 AM  Spine Trauma Jennifer Bauer, MD, MS

10:17 AM–10:22 AM  Back Pain, Kyphosis, Spondy, Disc Disease Matthew Oetgen, MD, MBA

10:23 AM–10:31 AM  Discussion Matthew Oetgen, MD, MBA Lindsay Andras, MD Jennifer Bauer, MD, MS

10:32 AM–10:37 AM  Skeletal Dysplasias and Orthopaedic-Related Syndromes Robert Cho, MD, FAAOS
# Daily Schedule
## Saturday CME Breakout 4

### Pediatric Upper Limb Surgery: Concepts, Cases, and Controversies
Join our internationally renowned faculty for this case-based discussion of challenging pediatric upper extremity conditions. From the fundamental concepts to late complications of treatment, we will explore the totality of care. There will be principles and pearls for providers of every level!

**Moderator:** Donald Bae, MD

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<td>10:05 AM–10:10 AM</td>
<td><em>Surgeons Are Not Replaceable!</em></td>
<td>Donald Bae, MD</td>
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<tr>
<td>10:11 AM–10:15 AM</td>
<td><strong>Madelung Deformity: Concepts</strong></td>
<td>Donald Bae, MD</td>
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<td>10:16 AM–10:25 AM</td>
<td><strong>Madelung Deformity: Case</strong></td>
<td>Julie Samora, MD, PhD, Donald Bae, MD, Andrea Bauer, MD, Christine Ho, MD</td>
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<td>10:26 AM–10:31 AM</td>
<td><strong>Madelung Deformity: WTF</strong></td>
<td>Christine Ho, MD</td>
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<tr>
<td>10:32 AM–10:36 AM</td>
<td>Arthrogrypotic Elbow: Concepts</td>
<td>Julie Samora, MD, PhD</td>
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<tr>
<td>10:37 AM–10:47 AM</td>
<td>Arthrogryposis Elbow: Case Presentation</td>
<td>Andrea Bauer, MD, Donald Bae, MD, Julie Samora, MD, PhD, Lindley Wall, MD, MSc</td>
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<tr>
<td>10:48 AM–10:53 AM</td>
<td>Arthrogryposis Elbow: WTF</td>
<td>Lindley Wall, MD, MSc</td>
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<tr>
<td>10:54 AM–10:58 AM</td>
<td>Shoulder in Brachial Plexus Birth Injury: Concepts</td>
<td>Donald Bae, MD</td>
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<tr>
<td>10:59 AM–11:07 AM</td>
<td>Shoulder in Brachial Plexus Birth Injury: Case</td>
<td>Julie Samora, MD, PhD, Donald Bae, MD, Andrea Bauer, MD, Lindley Wall, MD, MSc</td>
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<tr>
<td>11:08 AM–11:13 AM</td>
<td>Shoulder in Brachial Plexus Birth Injury: WTF</td>
<td>Andrea Bauer, MD</td>
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<tr>
<td>11:14 AM–11:20 AM</td>
<td>Summary</td>
<td>Julie Samora, MD, PhD</td>
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<td>Time</td>
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<td>10:05–10:06 AM</td>
<td>Introduction</td>
<td>Jeanne Franzone, MD</td>
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<td>Jennifer Laine, MD</td>
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<tr>
<td>10:07–10:12 AM</td>
<td>Amputation Principles: Early Keys to Long-Term Success</td>
<td>Jennifer Laine, MD</td>
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<td>10:13–10:18 AM</td>
<td>Multidisciplinary Prosthesis Care: Approach to Helping Families Make Tough Decisions, Ongoing Follow-up</td>
<td>Jeanne Franzone, MD</td>
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<tr>
<td>10:19–10:24 AM</td>
<td>Maximizing Gait for Pediatric Prosthetic Patients</td>
<td>Sheila Mason, PNP</td>
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<tr>
<td>10:25–10:29 AM</td>
<td>Considerations in Maximizing Long-Term Outcomes for Patients with Prostheses</td>
<td>Mihir Thacker, MD</td>
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<tr>
<td>10:34–10:37 AM</td>
<td>Debate 1: CPT–Reconstruction</td>
<td>Phillip McClure, MD</td>
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<tr>
<td>10:38–10:47 AM</td>
<td>Discussion</td>
<td>Phillip McClure, MD, Mihir Thacker, MD, L. Reid Boyce Nichols, MD, FAOA, FAAOS</td>
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<tr>
<td>10:48–10:51 AM</td>
<td>Debate 2: PFFD–Rotationplasty</td>
<td>David Podeszwa, MD</td>
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<td>10:52–10:55 AM</td>
<td>Debate 2: PFFD–Amputation</td>
<td>Jeanne Franzone, MD</td>
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<td>10:56–10:59 AM</td>
<td>Debate 2: PFFD–Reconstruction</td>
<td>Christof Radler, MD</td>
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<tr>
<td>11:00–11:03 AM</td>
<td>Debate 3: Fibular Hemimelia–Amputation</td>
<td>Jennifer Laine, MD</td>
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<td>11:08–11:18 AM</td>
<td>Discussion</td>
<td>David Podeszwa, MD, Jeanne Franzone, MD, Christof Radler, MD, Jennifer Laine, MD</td>
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<tr>
<td>11:19–11:20 AM</td>
<td>Conclusion</td>
<td>Jeanne Franzone, MD, Jennifer Laine, MD</td>
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<td>11:25–12:25 PM</td>
<td>Lunch</td>
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<td>Morimoto Asia</td>
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<td>Narcoossee's (Grand Floridian)</td>
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<tr>
<td>Planet Hollywood</td>
<td>*Location has both dining and entertainment available.</td>
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<td>Rainforest Café</td>
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<td>Ravello</td>
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<td>Rix Sports Bar &amp; Grill (Coronado Springs)*</td>
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<td>Splitsville Luxury Lanes*</td>
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**THINGS TO DO IN ORLANDO**

**UNIVERSAL ORLANDO RESORT/ CITYWALK**

**DINING**
- Amatista Cookhouse (Loews Sapphire Falls Resort)
- BiCE Ristorante (Loews Portofino Bay Hotel)
- Bubba Gump Shrimp Co.
- Hard Rock Café Orlando
- The Kitchen (Hard Rock Hotel)
- Islands Dining Room (Loews Royal Pacific Resort)
- Mama Della’s Ristorante (Loews Portofino Bay Hotel)
- The Palm Restaurant

**ENTERTAINMENT**
- Hard Rock Live Orlando
- Universal CityWalk*
- Velvet Bar (Hard Rock Hotel)
- Wantilan Luau (Loews Royal Pacific Resort)

**DOWNTOWN/ EAST ORLANDO**

**DINING**
- 310 Lakeside
- Ace Cafe Orlando*
- Artisan’s Table
- Bites & Bubbles
- The Boheme (Grand Bohemian Hotel Orlando)
- Delaney’s Tavern
- DoveCote Restaurant
- Kabooki Sushi
- Le Coq au Vin
- Maxine’s on Shine
- Ootoya Sushi Lounge
- The Osprey Tavern
- Reyes Mezcaleria
- Russell’s on Lake Ivanhoe
- RusTeak Thornton Park
- Soco Restaurant
- The Strand Food & Drink
- The Stubborn Mule
- The Tap Room at Dubsdread

**ENTERTAINMENT**
- Epic Paddle Adventures
- Harry P. Leu Gardens
- The Mennello Museum of American Art
- Motorworks Brewing*
- Orange County Regional History Center and Heritage Square Park
- Orlando Ballet
- Orlando Magic
- Orlando Museum of Art
- Orlando Philharmonic Orchestra,
- Orlando Science Center
- Orlando Shakes

**NORTH ORLANDO**

**DINING**
- 310 Park South
- Antonio’s
- Blu on the Avenue
- The Bridge Restaurant
- Bulla Gastrobar
- Chez Vincent
- Christner’s Prime Steak & Lobster
- Fleming’s Prime Steakhouse & Wine Bar
- The Glass Knife
- Hamilton’s Kitchen (The Alfond Inn)
- Luke’s Kitchen
- Prato
- The Ravenous Pig
- Reel Fish Coastal Kitchen + Bar
- Rocco’s Italian Grille & Bar
- Ruth’s Chris Steak House
- Seito Sushi Baldwin Park

**ENTERTAINMENT**
- Umi Japanese Restaurant
- VINIA Wine & Kitchen
- American Art
- The Charles Hosmer Morse Museum of Art
- Crealde School of Art
- Rollins Museum of Art
- Scenic Boat Tour - Winter Park
- The Winter Park Playhouse

**SAND LAKE ROAD AREA/ “RESTAURANT ROW”**

**DINING**
- Big Fin Seafood Kitchen
- Christinis Ristorante Italiano
- Dragonfly - Robata Grill & Sushi
- Eddie V’s Prime Seafood
- Feather & Quill
- Fleming’s Prime Steakhouse & Wine Bar
- The H Orlando
- Kabooki Sushi
- The Melting Pot
- Morton’s The Steakhouse
- Nagoya Sushi - Dr Phillips
- Ocean Prime
- Ruth’s Chris Steak House

**ENTERTAINMENT**
- Seasons 52
- Seito Sushi
- Vines Grille & Wine Bar*
- American Social Bar & Kitchen*
- The Whiskey*

*Location has both dining and entertainment available.

List subject to change without notice
POSNA Membership
The Pediatric Orthopaedic Society of North America (POSNA) is a not-for-profit professional organization of over 1,500 surgeons, physicians, and allied health members passionately dedicated to advancing musculoskeletal care for children and adolescents through education, research, and quality care.

Mission: To advance pediatric orthopaedics by promoting education, research, and quality care
Vision: A world with optimal musculoskeletal health for all children

Diversity Statement: The Pediatric Orthopaedic Society of North America (POSNA) values diversity, and we are committed to creating an equitable and inclusive environment for all of our current and future members. We strive to eliminate healthcare disparities and deliver the highest quality orthopaedic care to all the children and families we serve. Please visit posna.org/our-society to view the full statement.

POSNA members benefit from a robust and diverse array of resources that advance and fulfill the society’s commitment to education, research, and quality care. There are excellent opportunities to forge enduring professional relationships and mentorship. Many members utilize the POSNA platform and its collegial network of colleagues to develop innovative, multi-institution, and multi-national programs.

Benefits:
• Reduced registration fees for Annual Meeting and International Pediatric Orthopaedic Symposium (IPOS®)
• $400,000+ in research awarded annually
• Committee Appointment Program (CAP) – make your voice heard in 30+ committees
• Participate in the POSNA-Sponsored Traveling Fellowship Program
• Reduced subscription rate to the Journal of Pediatric Orthopaedics
• Become a mentor or mentee through the Mentorship Program
• Be a part of the POSNA Safe Surgery Program (PSSP)

Additional Education
• POSNA.org Study Guide – over 100 topics available!
• JPOSNA® - The official Journal of POSNA.
• POSNAcademy - POSNA’s video education platform featuring webinars, tutorials, past meeting content, podcasts, and more!
• The Resident Review blog

Follow us!
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OrthoKids.org
JPOSNA.org
POSNAcademy.org

Become a POSNA Member and Advance Your Pediatric Orthopaedic Career!
Applications for 2024 membership close November 1, 2023
posna.org/Members/Join
Save the Date
Future POSNA Annual Meetings
EPOSNA (Combined POSNA and EPOS Meeting)
May 8-11, 2024
National Harbor, MD

Future IPOS® Meetings
December 3-7, 2024
Orlando, FL
December 2-6, 2025
Orlando, FL
December 1-5, 2026
Orlando, FL

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IPOS® Mission Statement
To provide the highest quality, most comprehensive, and most interactive pediatric orthopaedic education to learners and practitioners of all levels.

IPOS® Vision Statement
Through our inspiring international faculty, innovative programming, and vibrant interactions among all attendees, IPOS® aspires to be the best pediatric orthopaedic educational event in the world.