

# IPOS<sup>®</sup>

International Pediatric Orthopaedic Symposium

December 3-7, 2024 | Orlando, FL

Director: Derek Kelly, MD

Preliminary Program *Sponsored by Medtronic*



**POSNA**  
PEDIATRIC ORTHOPAEDIC SOCIETY  
OF NORTH AMERICA

Celebrating

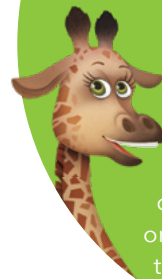
**20**

Years



# Medtronic

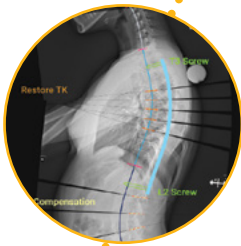
## Leading the way in pediatric patient-specific spine solutions



**Josephine™**  
the giraffe is our ambassador for education to children with early onset scoliosis and their families.



**CD Horizon™ ModuLeX™ spinal system**, building on 40 years of patient history using **CD Horizon™ system** technology.



**UNiD™ ASI** is a longitudinal data collection platform that leverages artificial intelligence and patient specific implants to support planning, execution, and analysis of alignment goals. UNiD™ ASI is FDA cleared for use with CD Horizon™ Solera™ and CD Horizon™ ModuLeX™ 5.5/6.0 spinal systems.



**LigaPASS™ 2.0 system** is designed to help achieve a well-balanced spine in both coronal and sagittal planes when screws, hooks, or wires cannot be placed and axial derotation and reduction are both desired.



**Mazor™ robotic guidance platform** is a **powerful surgical solution** featuring planning tools that enable 3-D construct design and robotic surgical execution for a seamless OR experience.

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [medtronic.eu](http://medtronic.eu). An electronic version of the package insert may be found at [www.medtronic.com/manuals](http://www.medtronic.com/manuals) and [www.medtronic.com/UNiD](http://www.medtronic.com/UNiD).

The commercial name of Mazor™ is Mazor X Stealth™ Edition.

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20<sup>th</sup> Annual IPOS®  
**ACKNOWLEDGMENTS**

The Pediatric Orthopaedic Society of North America gratefully acknowledges the following for their generous financial support in 2024.

**Emerald Level (\$300,000+)**



**Double Diamond Level (\$150,000-\$299,999)**



**Diamond Level (\$100,000-\$149,999)**



**Platinum Level (\$75,000-\$99,999)**

Globus Medical

**Gold Level (\$50,000-\$74,999)**

Pacira BioSciences, Inc.

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Nemours Children's Health  
\* Shriners Children's™

**Bronze Level (\$1,000-\$19,999)**

Akron Children's  
Campbell Clinic Orthopaedics  
Central Texas Pediatric Orthopedics  
Children's Mercy Hospital  
Cincinnati Children's Hospital  
Mayo Clinic  
Novadip

nView medical  
PediTST®  
Scottish Rite for Children  
Stanford Medicine Children's Health  
University of Pittsburgh  
Washington University St. Louis

\* Provided an educational grant for IPOS®

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## 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 Hours

Tuesday, December 3	1:00 PM–6:30 PM
Wednesday, December 4	7:00 AM–5:00 PM
Thursday, December 5	7:00 AM–3:00 PM
Friday, December 6	7:00 AM–2:30 PM

## Exhibit Hall

Join your colleagues in the Exhibit Hall to network and discover new pediatric orthopaedic products and services. Meals and breaks will be served in the hall.

Wednesday, December 4	7:00 AM–6:10 PM
Wednesday, December 4 Happy Hour in the Hall	5:10 PM–6:10 PM
Thursday, December 5	7:00 AM–4:00 PM
Friday, December 6	7:00 AM–3:30 PM
Friday, December 6 Celebration of IPOS®	2:55 PM–3:30 PM

## Registration

Attendee Classification	Early-Bird Rate September 10, 2024– October 28, 2024	Rate as of October 29, 2024
Member	\$1,370	\$1,420
Non-Member	\$2,020	\$2,070
Nurse/Allied Health/PA <sup>1</sup> /Athletic Trainers/ Medical Student <sup>2</sup>	\$885	\$935
Orthopaedic Resident <sup>3</sup> /Post Residency Fellow <sup>3</sup> /U.S. Military <sup>4</sup> /POSNA Emeritus	\$1,175	\$1,225
Delegates from Reduced Rate Low Income Countries (determined by World Bank <a href="#">Click here</a> )	\$999	\$1,049

<sup>1</sup>RN, PA, Allied Health, Athletic Trainers, Residents, and Fellows contact Erica Respeto, [respeto@posna.org](mailto:respeto@posna.org), with your chief/director's name, institution's name, and phone number in order to receive the discounted rate.

<sup>2</sup>Medical Students, please contact Erica Respeto, [respeto@posna.org](mailto:respeto@posna.org), with your most recent transcript showing good standing from your institution in order to receive the discounted rate.

<sup>3</sup>For POSNA members in active military duty only, please contact Erica Respeto, [respeto@posna.org](mailto:respeto@posna.org), in order to receive the discounted rate.

## Cancellation Policy

Full refunds will be provided less a processing fee if received in writing to Erica Respeto, [respeto@posna.org](mailto:respeto@posna.org), by the date listed below. No refunds will be granted beginning November 27, 2024. Registrants will receive a confirmation and refund within 14 days of receipt of their cancellation notice.

- September 10–November 5, 2024:  
Less a 20% processing fee
- November 6–November 26, 2024:  
Less a 50% processing fee
- November 27, 2024 and forward:  
No refunds

## POSNA Membership Requirement

IPOS® attendance fulfills POSNA Active and Candidate membership requirements. Registration and attendance for Practicing PediPod Program only does not meet the member meeting attendance requirement.

## Practicing PediPod Sessions \$250

Friday, 8:05 AM–11:20 AM

**Teach the Teacher, Leadership  
Institute and Finance**

Saturday, 7:30 AM–9:35 AM

**Practice Management, Innovation,  
and Peak Performance**

\* Full IPOS® registration is inclusive of Practicing  
PediPod Sessions

## Residents and Fellows: Just for you!

### Tuesday

**Case Competition & Trivia:** Hear the faculty discuss your cases and put your knowledge to the test during the Arabella Leet Residents & Fellows Forum! The fun begins at 3:00 PM.

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

### Thursday

**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.

**Top Gun:** The 12th annual surgical skills competition allows you to showcase your maverick skill set (by invitation only).

### Wednesday, Thursday, and Friday

**Lunchtime Career Development:** Join IPOS® faculty during the last 30 minutes of lunch for case review and discussion in the IPOS® lounge located in the Exhibit Hall.

## 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

## Resident Review

Cutting edge orthopaedic information enhancing resident education brought to you by POSNA members:

- OITE review & prep questions
- Must read articles
- Interviews with pediatric orthopaedic experts
- Webinars
- And more!



**Peds Ortho**  
Brought to you by POSNA

## Peds Ortho, the official POSNA podcast

Brought to you by POSNA

Monthly episodes from hosts Carter Clement, MD, MBA; Josh Holt, MD; and Julia Sanders, MD, discussing pediatric orthopaedic surgery content, ranging from new literature to coverage of POSNA Annual Meetings and more!

Live episode recordings  
on-site at IPOS®!



**Derek Kelly, MD**  
Director

“The faculty members are the heart and soul of IPOS®. They are world-leading experts in their subspecialties, enthusiastic educators, approachable mentors, and inspirational leaders.”

### Domestic Faculty

Lindsay Andras, MD  
Alexandre Arkader, MD  
**Donald Bae, MD \***  
Andrea Bauer, MD  
Jennifer Bauer, MD, MS  
Jennifer Beck, MD  
**Maryse Bouchard, MD, MSc \***  
Jaysson Brooks, MD  
**Robert Cho, MD \***  
Jaime Rice Denning, MD  
Craig Ebersson, MD, FAOA  
Eric Edmonds, MD  
**Ron El-Hawary, MD, MSc, FRCS(C) \***  
Henry Ellis, MD  
**Nicholas Fletcher, MD \***  
**John (Jack) Flynn, MD \***  
Michael Glotzbecker, MD  
Christine Ho, MD  
Sandra Jarvis-Selinger, PhD  
Simon Kelley, MBChB, PhD, FRCS  
**Derek Kelly, MD \***  
**Philip McClure, MD \***  
**Jennifer Laine, MD \***  
Craig Louer Jr., MD  
John Lovejoy III, MD  
**Scott Luhmann, MD \***  
**Jeff Martus, MD, MS \***  
James McCarthy, MD  
Thomas McPartland, MD  
**Todd Milbrandt, MD \***  
Firoz Miyanji, MD, FRCSC  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC  
L. Reid Nichols, MD  
Kenneth Noonan, MD  
David Podeszwa, MD  
Anthony Riccio, MD  
**Wudbhav (Woody) Sankar, MD \***  
Jeffrey Sawyer, MD  
**Jonathan Schoenecker, MD, PhD \***  
**Suken Shah, MD \***  
Kevin Shea, MD

Benjamin Shore, MD, MPH, FRCSC

**M. Wade Shrader, MD \***  
Daniel Sucato, MD, MS  
Vishwas Talwalkar, MD  
Mihir Thacker, MD  
Rachel Thompson, MD  
V. Salil Upasani, MD  
**Michael Vitale, MD, MPH \***  
**Lindley Wall, MD, MSc \***  
Ira Zaltz, MD

### International Faculty

Franck Accadbled, MD, PhD  
Prof. Thomas Dreher  
Deborah Eastwood, FRCS  
Sebastian Farr, MD  
**Javier Masquijo, MD \***  
Manoj Ramachandran, BSc(Hons), MBBS(Hons),  
MRCS(Eng), FRCS(Tr&Orth)

### Instructors







Jason Howard, MD, FRCSC  
Vedant Kulkarni, MD  
Scott McKay, MD  
Crystal Perkins, MD  
Matthew Schmitz, MD

### Advanced Practice Provider (APP) Faculty

John Ansiaux, PA-C  
Benjamin Carr, PA-C  
Colleen Ditro, DNP, CPNP  
Sarah Gilday, PA-C  
Sheila Marceron, DNP  
Morgan McCarver, PA-C  
Amber Mizerik, PA-C  
Kevin Moore, PA-C  
**Valerie Parrish, PA-C \***  
Christopher Tremonti, PA-C  
**Nicole Tweedy, DNP-PNP \***  
Paige Wheaton, PA-C

**\*2024 Advisory Board**

**Topics**

-  Advanced Practice Providers
-  Essentials of Pediatric Orthopaedics
-  Foot
-  General Pediatric Orthopaedics/Trauma
-  Hand & Upper Extremity
-  Hip
-  Lower Extremity/Deformity
-  Mid-Career
-  Neuromuscular & Cerebral Palsy
-  Spine
-  Sports


**Wednesday, December 4**

- 7:00 AM–5:00 PM Registration

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

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- 8:05 AM–10:05 AM **General Session 1:**  
Mastering Call in Pediatric Orthopaedics 

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- 10:10 AM–10:30 AM Break and Exhibits

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- 10:35 AM–11:35 AM **Industry Spotlight Sessions 1 \***


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- 11:40 AM–12:40 PM Lunch and Exhibits


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


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- 12:45 PM–2:00 PM **CME Breakout 1:**  
Essentials of Pediatrics I 


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- 12:45 PM–2:00 PM **CME Breakout 1:** We've Got to Hand It to You: Upper Limb Conditions That Will Show up in the Clinic (Case-Based Discussion) 


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- 12:45 PM–2:00 PM **CME Breakout 1:**  
Ponseti Casting (Hands-on) 


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- 12:45 PM–2:00 PM **CME Breakout 1:**  
Osteomyelitis and Bone Tumor 

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- 12:45 PM–2:00 PM **CME Breakout 1:**  
Mastering MPFL Reconstruction: A Hands-on Session 

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- 12:45 PM–2:00 PM **APP Breakout 1:**  
Backbone Breakthroughs: Advancing Pediatric Spine 

**Tuesday, December 3**

1:00 PM–6:30 PM Registration

**Residents and Fellows**

- 3:00 PM–4:45 PM Arabella Leet Forum \*  
(Sponsored by Shiners Children's™)

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- 4:55 PM–5:55 PM Career Planning and Professional Development \*  
(Sponsored by Medtronic)

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- 6:00 PM–6:15 PM Mingle with Medtronic \*

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- 6:30 PM–7:45 PM **OrthoPediatrics Pre-Course**  
Innovation - Bringing Creative Solutions from Ideas to Reality \*

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- 7:50 PM–9:00 PM Reception Sponsored by OrthoPediatrics

\* Indicates Non-CME Session



2:05 PM–2:25 PM Break and Exhibits

2:30 PM–4:00 PM **Concurrent Session 1:**  
Twist and Shout:  
Unraveling the Rotational  
Mysteries of the Hip



2:30 PM–4:00 PM **Concurrent Session 1:**  
Total Patient Care: The  
Complex Neuromuscular  
Spine



2:30 PM–3:30 PM **Ponseti on the Go**



4:05 PM–5:05 PM **Industry Spotlight  
Sessions 2 \***

5:10 PM–6:10 PM Happy Hour in the Hall

**Thursday, December 5**

7:00 AM–3:00 PM Registration

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

8:05 AM–10:05 AM **General Session 2:**  
Multidisciplinary,  
Complex Problems in  
Children–Spina Bifida,  
Amputations, and Under-  
Served and Under-Reso



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

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



12:45 PM–2:00 PM **CME Breakout 2:** Pelvic  
Osteotomies Part One:  
Salter, Pemberton, Dega,  
San Diego (Hands-on)



12:45 PM–2:00 PM **CME Breakout 2:**  
Workup and Treatment  
Decision-Making for AIS



12:45 PM–2:00 PM **CME Breakout 2:**  
Congenital Vertical Talus:  
Topic Update and Hands-  
on Casting



12:45 PM–2:00 PM **CME Breakout 2:**  
Unlocking the Congenital  
Knee



2:05 PM–2:25 PM Break and Exhibits

2:30 PM–4:00 PM **Concurrent Session 2:**  
Why Can Flatfeet Be So  
Complicated?!



2:30 PM–4:00 PM **Concurrent Session 2:**  
Cool Strategies for Hot  
and Cold Pediatric Upper  
Extremity Trauma



2:30 PM–4:00 PM **APP Breakout 2:**  
Pediatric Trauma: Tackling  
Challenges and Finding  
Strength











2:30 PM–3:30 PM **Pavlik on the Go**



2:30 PM–3:30 PM **Halo on the Go**




## Friday, December 6

7:00 AM–2:30 PM	Registration
7:00 AM–8:00 AM	Breakfast and Exhibits
8:05 AM–9:20 AM	<b>CME Breakout 3:</b> Current Surgical Controversies in AIS 
8:05 AM–9:20 AM	<b>CME Breakout 3:</b> Pelvic Osteotomies Part Two: Triple, PAO (Hands-on) 
8:05 AM–9:20 AM	<b>CME Breakout 3:</b> Pinning an Elbow (Hands-on) 
8:05 AM–9:20 AM	<b>CME Breakout 3:</b> Neuromuscular Gait Analysis for Non-CP Conditions 
8:05 AM–9:20 AM	<b>APP Breakout 3:</b> Hot Topics in Orthopaedics: Innovation and Pre-Operative Trends 
8:05 AM–11:20 AM	<b>Practicing PediPod</b> 
9:25 AM–9:45 AM	Break and Exhibits
9:50 AM–11:20 AM	<b>Concurrent Session 3:</b> Pediatric Sports Controversies: If It's Your Child, What Do You Do? 
9:50 AM–11:20 AM	<b>Concurrent Session 3:</b> Basics of Lower Extremity Deformity Analysis 






11:25 PM–12:25 PM Lunch and Exhibits

11:55 PM–12:25 PM Lunchtime Career Development

12:30 PM–2:50 PM **General Session 3:** Author's Preferred Techniques  


2:55 PM–3:30 PM Cheers to 20 Years of IPOS® (in the Hall)

## Saturday, December 7

7:00 AM–8:00 AM	Breakfast
7:30 AM–9:35 AM	<b>Practicing PediPod</b> 
8:05 AM–9:35 AM	<b>Concurrent Session 4:</b> CP Hip Surveillance and CP-Like Conditions 
9:40 AM–10:55 AM	<b>CME Breakout 4:</b> Essentials of Pediatric Orthopaedics III 
9:40 AM–10:55 AM	<b>CME Breakout 4:</b> Foundations in Hip Dysplasia: Get to Know the Villains 
9:40 AM–10:55 AM	<b>CME Breakout 4:</b> Coronal and Transverse Malalignment in Pediatric Patellofemoral Instability 
11:00 AM	Farewell Grab 'n Go

\* Indicates Non-CME Session

# 2025

## POSNA Annual Meeting

- ▶ Exciting New Research
- ▶ Friendships and Networking
- ▶ Outstanding Academics
- ▶ Engaging Programs
- ▶ Hotel Reservations Available Now!



**May 14-16**

**Las Vegas, Nevada  
Caesars Palace**

**President:** Todd Milbrandt, MD  
**Program Chair:** Julie Samora, MD, PhD  
**Local Host:** David Stewart, MD



**POSNA**  
PEDIATRIC ORTHOPAEDIC SOCIETY  
OF NORTH AMERICA





## Advanced Practice Providers

### Wednesday, December 4

12:45 PM–2:00 PM

**APP Breakout 1:** Backbone Breakthroughs:  
Advancing Pediatric Spine Care

### Thursday, December 5

2:30 PM–4:00 PM

**APP Breakout 2:** Pediatric Trauma: Tackling  
Challenges and Finding Strength

### Friday, December 6

8:05 AM–9:20 AM

**APP Breakout 3:** Hot Topics in Orthopedics:  
Innovation and Pre-Operative Trends



## Essentials of Pediatric Orthopaedics

### Wednesday, December 4

12:45 PM–2:00 PM

**CME Breakout 1:** Essentials of Pediatric  
Orthopaedics I

### Thursday, December 5

12:45 PM–2:00 PM

**CME Breakout 2:** Essentials of Pediatric  
Orthopaedics II

### Saturday, December 7

9:40 AM–10:55 AM

**CME Breakout 4:** Essentials of Pediatric  
Orthopaedics III



## Foot

### Wednesday, December 4

12:45 PM–2:00 PM

**CME Breakout 1:** Ponseti Casting (Hands-on)

### Wednesday, December 4

2:30 PM–3:30 PM

**Ponseti on the Go**

### Thursday, December 5

12:45 PM–2:00 PM

**CME Breakout 2:** Congenital Vertical Talus:  
Topic Update and Hands-on Casting

### Thursday, December 5

2:30 PM–4:00 PM

**Concurrent Session 2:** Why Can Flatfeet Be So  
Complicated?!



## General Pediatric Orthopaedics/Trauma

### Wednesday, December 4

8:05 AM–10:05 AM

**General Session 1:** Mastering Call in Pediatric  
Orthopaedics

### Wednesday, December 4

12:45 PM–2:00 PM

**CME Breakout 1:** Osteomyelitis and Bone Tumor

### Thursday, December 5

8:05 AM–10:05 AM

**General Session 2:** Multidisciplinary, Complex  
Problems in Children—Spina Bifida, Amputations,  
and Under-Served and Under-Resourced

### Friday, December 6

12:30 PM–2:50 PM

**General Session 3:** Author's Preferred  
Techniques



## Hand & Upper Extremity

### Wednesday, December 4

12:45 PM–2:00 PM

**CME Breakout 1:** We've Got to Hand It to You:  
Upper Limb Conditions That Will Show up in the  
Clinic (Case-Based Discussion)

### Thursday, December 5

2:30 PM–4:00 PM

**Concurrent Session 2:** Cool Strategies for Hot  
and Cold Pediatric Upper Extremity Trauma

### Friday, December 6

8:05 AM–9:20 AM

**CME Breakout 3:** Pinning an Elbow (Hands-on)



## Hip

### Wednesday, December 4

2:30 PM–4:00 PM

**Concurrent Session 1:** Twist and Shout:  
Unraveling the Rotational Mysteries of the Hip

### Thursday, December 5

12:45 PM–2:00 PM

**CME Breakout 2:** Pelvic Osteotomies Part One:  
Salter, Pemberton, Dega, San Diego (Hands-on)

### Thursday, December 5

2:30 PM–3:30 PM

**Pavlik on the Go**

### Friday, December 6

8:05 AM–9:20 AM

**CME Breakout 3:** Pelvic Osteotomies Part Two:  
Triple, PAO (Hands-on)

### Saturday, December 7

9:40 AM–10:55 AM

**CME Breakout 4:** Foundations in Hip Dysplasia:  
Get to Know the Villains



## Neuromuscular & Cerebral Palsy

### Wednesday, December 4

2:30 PM–4:00 PM

**Concurrent Session 1:** Total Patient Care: The  
Complex Neuromuscular Spine

### Friday, December 6

8:05 AM–9:20 AM

**CME Breakout 3:** Neuromuscular Gait Analysis  
for Non-CP Conditions

### Saturday, December 7

8:05 AM–9:35 AM

**Concurrent Session 4:** CP Hip Surveillance and  
CP-Like Conditions



## Spine

### Thursday, December 5

12:45 PM–2:00 PM

**CME Breakout 2:** Workup and Treatment  
Decision-Making for AIS

### Thursday, December 5

2:30 PM–3:30 PM

**Halo on the Go**

### Friday, December 6

8:05 AM–9:20 AM

**CME Breakout 3:** Current Surgical Controversies  
in AIS



## Sports

### Wednesday, December 4

12:45 PM–2:00 PM

**CME Breakout 1:** Mastering MPFL  
Reconstruction: A Hands-on Session

### Friday, December 6

9:50 AM–11:20 AM

**Concurrent Session 3:** Pediatric Sports  
Controversies: If It's Your Child, What Do You Do?

### Saturday, December 7

9:40 AM–10:55 AM

**CME Breakout 4:** Coronal and Transverse  
Malalignment in Pediatric Patellofemoral Instability



## Lower Extremity/Deformity

### Thursday, December 5

12:45 PM–2:00 PM

**CME Breakout 2:** Unlocking the Congenital Knee

### Friday, December 6

9:50 AM–11:20 AM

**Concurrent Session 3:** Basics of Lower  
Extremity Deformity Analysis



## Mid-Career

### Friday, December 6

8:05 AM–11:20 AM

**Practicing PediPod**

### Saturday, December 7

7:30 AM–9:35 AM

**Practicing PediPod**

**Tuesday, December 3**

**3:00 PM–4:45 PM**

**Arabella Leet Residents & Fellows Forum**

**Sponsored by Shriners Children’s™**

**Chair: Jennifer Laine, MD**

Panelists: Jaysson Brooks, MD; Jaime Rice Denning, MD; Thomas McPartland, MD; Jonathan Schoenecker, MD, PhD; Lindley Wall, MD, MSc

This engaging and educational forum is in honor and memory of Dr. Arabella Leet’s career and contributions. Dr. Leet improved the lives of children through personal and systemic efforts to provide high-quality and safe pediatric musculoskeletal care. This Forum, sponsored by Shriners Children’s™, is an opportunity for all to attend an exciting case competition. The top eight cases are presented by this year’s scholarship winners with stimulating discussion from IPOS® faculty and instructors. Attend to demonstrate your trivia knowledge for prizes and fun!



3:00 PM–3:25 PM **Welcome & Introduction**

3:26 PM–4:45 PM **Case Presentations & Trivia Competition**

**4:55 PM–5:55 PM**

**Career Planning and Professional Development**

**Sponsored by Medtronic**

**Chair: Jennifer Laine, MD**

This high-yield session is designed for orthopaedic trainees to learn key strategies to embark successfully on the path ahead of them. Leaders within POSNA will engage the audience with pearls on how to find a job and build a practice. They will discuss methods for finding time for discovery and opportunities for service. They will offer approaches for continued professional



development and staying balanced with life inside and outside of the hospital. The presentations will be followed by a robust question and answer session. This is a tremendous opportunity to ask questions of these remarkable pediatric orthopaedic leaders!

4:55 PM–4:59 PM **Welcome & Introduction**

5:00 PM–5:06 PM **How (and When) Do I Find a Job?**  
Jeffrey Sawyer, MD

5:07 PM–5:13 PM **How Do I Build a Busy Practice?**  
Lindsay Andras, MD

5:14 PM–5:20 PM **How Do I Find the Support and Time for Research?**  
Henry Ellis, MD

5:21 PM–5:27 PM **How Do I Continue to Improve Surgically?**  
Lindley Wall, MD, MSc

5:28 PM–5:34 PM **How and Why Should I Become Involved in Professional Organizations?**  
Todd Milbrandt, MD

5:35 PM–5:41 PM **How Do I Manage Time and Energy – In and Out of the Hospital?**  
Woody Sankar, MD

5:42 PM–5:55 PM **Questions and Answers**  
Jennifer Laine, MD  
Jeffrey Sawyer, MD  
Lindsay Andras, MD  
Henry Ellis, MD  
Lindley Wall, MD, MSc  
Todd Milbrandt, MD  
Woody Sankar, MD

6:00 PM–6:15 PM **Mingle with Medtronic**

Tuesday

## DAILY SCHEDULE

6:30 PM–7:45 PM

### OrthoPediatrics Pre-Course: Innovation - Bringing Creative Solutions from Ideas to Reality

Sponsored by OrthoPediatrics

During your career, you will have many ideas to improve the way we work, whether this is a better way to fix a fracture, find a pedicle, or some other way to help us help our patients. Innovation is a fascinating process and has brought us technology such as MRI, locking screws, and physeal tethering, among many other improvements we now take for granted. While we think the process of innovation involves a eureka moment, more commonly it involves a disciplined search for a solution to a problem. We will discuss this process of innovation: needs finding, brainstorming and iteration, and where you go from there. We will introduce a few of the modern

innovations and, together with the audience, discuss problems we would all like solved.

#### Peter Stevens, MD

Emeritus Professor, Department of Orthopedics,  
University of Utah

#### Scott Lasater, MS

Vice President of Innovation and Performance  
Improvement, OrthoPediatrics President,  
Lasater Institute

#### Fady Rayes, MS

Vice President of Product Development,  
Pega Medical (Now OrthoPediatrics)

Scott Hoffinger, MD, MS

Medical Director, OrthoPediatrics

7:50 PM–9:00 PM

Reception Sponsored  
by OrthoPediatrics

## Housing

### 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

Hotel Reservation Deadline:

November 11, 2024

Group Rate: \$244

(for single and double occupancy,  
plus applicable taxes and fees)

Group Code  
**GHRLC11**



Wednesday  
**DAILY SCHEDULE**

**Wednesday, December 4**

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

**GENERAL SESSION 1**

**8:05 AM–10:05 AM**

**Mastering Call in Pediatric Orthopaedics**

**Moderator: Jonathan Schoenecker, MD, PhD**  
**eModerator: Nicholas Fletcher, MD**

You won't want to miss the Mastering Call in Pediatric Orthopaedics session. This year's course will provide a comprehensive overview of what it takes to care for pediatric orthopaedic 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 orthopedics, 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 everyday work.

- 7:45 AM–8:00 AM **Onboarding**
- 8:00 AM–8:05 AM **Welcome & Introduction**  
Director: Derek Kelly, MD
- 8:05 AM–8:10 AM **Periosteum: Your Raison D'Étre**  
Jonathan Schoenecker, MD, PhD



- 8:11 AM–8:15 AM **Introduction to App**  
Moderator: Jonathan Schoenecker, MD, PhD
- 8:16 AM–8:22 AM **Reduction of Forearm/ Distal Radius: Leverage Periosteum**  
Alexandre Arkader, MD
- 8:23 AM–8:30 AM **Supracondylar Humerus Fractures: Understanding Bruises and Tears**  
Jennifer Laine, MD
- 8:31 AM–8:38 AM **Lateral Condyle and Femoral Neck: What if There Isn't Any Periosteum?**  
Nicholas Fletcher, MD
- 8:39 AM–8:56 AM **Quiz 1/Survey Discussion**  
Alexandre Arkader, MD  
Jennifer Laine, MD  
Nicholas Fletcher, MD
- 8:57 AM–9:05 AM **Collateral Damage: Nerve and Vessel (SCHFx)–What Keeps You Up at Night?**  
Lindley Wall, MD, MSc
- 9:06 AM–9:14 AM **Collateral Damage: Physeal Bar (Distal Femur)–The Orthopaedic Annuity**  
Jennifer Bauer, MD
- 9:15 AM–9:28 AM **Quiz 2/survey Discussion**  
Lindley Wall, MD, MSc  
Jennifer Bauer, MD
- 9:29 AM–9:37 AM **Collateral Damage: MSOD/Infection**  
Jonathan Schoenecker, MD, PhD



Wednesday  
**DAILY SCHEDULE**

9:38 AM–9:45 AM **Collateral Damage: Infection**  
 Thomas McPartland, MD

9:46 AM–9:50 AM **Final Quiz**  
 Moderator: Jonathan Schoenecker, MD, PhD

9:50 AM–10:05 AM **Review**  
 Moderator: Jonathan Schoenecker, MD, PhD

10:10 AM–10:30 AM **Break and Exhibits**

10:35 AM–11:35 AM **Industry Spotlight Sessions 1 (non-CME)**

11:40 AM–12:40 PM **Lunch and Exhibits**

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

**CME BREAKOUT 1**

**12:45 PM–2:00 PM**



**Essentials of Pediatric Orthopaedics I**

**Moderator: Christine Ho, MD**

This session covers a variety of pediatric orthopaedic topics and 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.

12:45 PM–12:50 PM **Common Overuse Injuries in the Young Athlete**  
 Scott McKay, MD

12:51 PM–12:56 PM **Female Athlete Triad: Recognition and Management**  
 Craig Louer Jr., MD

12:57 PM–1:05 PM **Discussion**  
 Scott McKay, MD  
 Craig Louer Jr., MD

1:05 PM–1:10 PM **Infantile DDH: Outpatient Management**  
 Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

1:11 PM–1:16 PM **Perthes Disease: Nonoperative Management**  
 Thomas McPartland, MD

1:17 PM–1:22 PM **FAI: Nonoperative Management**  
 Woody Sankar, MD

1:23 PM–1:31 PM **Discussion**  
 Kishore Mulpuri, MBBS, MS, MHSc, FRCSC  
 Thomas McPartland, MD  
 Woody Sankar, MD

1:32 PM–1:37 PM **Upper Extremity Physeal Fractures**  
 Christine Ho, MD

1:38 PM–1:43 PM **Lower Extremity Physeal Fractures**  
 John Lovejoy III, MD

1:44 PM–1:49 PM **Post-traumatic Growth Arrest: Recognition and Management**  
 Manoj Ramachandran, MD, FRCS (Orth)

1:50 PM–2:00 PM **Discussion**  
 Christine Ho, MD  
 John Lovejoy III, MD  
 Manoj Ramachandran, MD, FRCS (Orth)

## CME BREAKOUT 1

12:45 PM–2:00 PM



### We've Got to Hand It to You: Upper Limb Conditions That Will Show up in the Clinic (Case-Based Discussion)

Come join to understand the treatment of common non-traumatic upper limb conditions we all face!

12:45 PM–12:48 PM **Introduction**  
 Donald Bae, MD  
 Lindley Wall, MD, MSc

### 12:50 PM–1:07 PM **Trigger Digits**

**Moderator: Lindley Wall, MD, MSc**

12:50 PM–12:55 PM **Trigger Thumb: When to Operate and Asleep?**  
 Andrea Bauer, MD

12:56 PM–1:01 PM **Trigger Fingers: How Much to Do?**  
 Sebastian Farr, MD

1:02 PM–1:07 PM **Discussion**  
 Lindley Wall, MD, MSc  
 Andrea Bauer, MD  
 Sebastian Farr, MD

### 1:09 PM–1:37 PM **Radioulnar Synostosis**

**Moderator: Donald Bae, MD**

1:09 PM–1:14 PM **Diagnosis and Functional Implications**  
 Donald Bae, MD

1:15 PM–1:20 PM **Surgical Treatment: Osteoclasts Technique**  
 Sebastian Farr, MD

1:21 PM–1:26 PM **Surgical Treatment: Synostosis Osteotomy Technique**  
 Andrea Bauer, MD

1:27 PM–1:37 PM **Discussion**  
 Donald Bae, MD  
 Sebastian Farr, MD  
 Andrea Bauer, MD

## 1:39 PM–2:00 PM **CP Wrist**

**Moderator: Lindley Wall, MD, MSc**

1:39 PM–1:44 PM **Presentation and Assessment of CP Wrist Deformity**  
 Donald Bae, MD

1:45 PM–1:50 PM **Treatment Options for Wrist Deformity**  
 Sebastian Farr, MD

1:51 PM–2:00 PM **Discussion**  
 Lindley Wall, MD, MSc  
 Donald Bae, MD  
 Sebastian Farr, MD

## CME BREAKOUT 1

12:45 PM–2:00 PM



### Ponseti Casting (Hands-on)

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

An introduction to the Ponseti method followed by a hands-on Ponseti casting and tenotomy lab with ample opportunity to learn and practice.

12:45 PM–12:40 PM **Clubfoot Ponseti Video-Casting Technique and Principles**  
 Derek Kelly, MD

12:41 PM–12:46 PM **5 Things to Do When Faced With a Complex Clubfoot**  
 Vishwas Talwalkar, MD

12:47 PM–12:53 PM **5 Things That Can Lead to Pitfalls When Casting Clubfeet**  
 Jaime Rice Denning, MD

12:54 PM–12:59 PM **5 Things to Do to Run the Optimal Clubfoot Clinic**  
 Anthony Riccio, MD

Wednesday  
**DAILY SCHEDULE**

1:00 PM–1:05 PM **5 Things to Do to Get the Best Results With Foot Abduction Bracing**  
 Kenneth Noonan, MD

1:06 PM–2:00 PM **Hands-on Instruction Hands-on Faculty:**  
 L. Reid Nichols, MD  
 Derek Kelly, MD  
 Vishwas Talwalkar, MD  
 Jaime Rice Denning, MD  
 Anthony Riccio, MD  
 Kenneth Noonan, MD  
 Maryse Bouchard, MD, MSc

12:54 PM–1:00 PM **Osteomyelitis and Septic Arthritis—Strategies to Minimize Need for Reoperation and Considerations When It Is Necessary**  
 Jeffrey Sawyer, MD

1:01 PM–1:07 PM **Osteomyelitis in Pressure Ulcers—The Orthopaedists Role and How to Minimize Recurrence**  
 M. Wade Shrader, MD

1:08 PM–1:16 PM **Discussion**  
 Jonathan Schoenecker, MD, PhD  
 Michael Glotzbecker, MD  
 Jeffrey Sawyer, MD  
 M. Wade Shrader, MD

**CME BREAKOUT 1**

**12:45 PM–2:00 PM**



**Osteomyelitis and Bone Tumor**

**Moderator: Mihir Thacker, MD**  
**Moderator: Alexandre Arkader, MD**

Infections and tumor are common in pediatric orthopaedics. Understanding basic concepts of diagnosis and management can help optimize patient management and outcomes. This session will be divided between how to diagnose and treat infections from simple to complex and some highlights of bone tumors from cysts to malignancies.

1:17 PM–1:24 PM **Differentiating Between Infection and Tumors—Diagnostic Techniques**  
 Craig Ebersson, MD

1:25 PM–1:32 PM **Surgical Management of Benign Cysts—What to Pick From the Smorgasborg of Bone Grafts**  
 Mihir Thacker, MD

12:45 PM–12:47 PM **Introduction**  
 Moderator: Alexandre Arkader, MD

1:33 PM–1:40 PM **Pediatric Bone Malignancy for the General Practitioner—The Eye Sees What the Mind Knows**  
 Alexandre Arkader, MD

12:38 PM–12:45 PM **Laboratory and Radiographic Evaluation of Musculoskeletal Infection in 2024**  
 Jonathan Schoenecker, MD, PhD

1:41 PM–1:48 PM **Leukemia and Lymphoma—How It Presents and How Not to Miss It**  
 Deborah Eastwood, FRCS

12:46 PM–12:53 PM **Osteomyelitis—Surgical Management Options From Decompression to Masqualet**  
 Michael Glotzbecker, MD

1:49 PM–2:00 PM **Discussion**  
 Craig Ebersson, MD  
 Mihir Thacker, MD  
 Alexandre Arkader, MD  
 Deborah Eastwood, FRCS

## CME BREAKOUT 1

12:45 PM–2:00 PM



### Mastering MPFL Reconstruction: A Hands-on Session

**Moderator: Javier Masquijo, MD**

Join us for an interactive session where the mastery of MPFL reconstruction is not merely discussed but experienced firsthand. Engage with leaders in the field as they share their expertise, providing valuable insights and practical knowledge to enhance your skills in addressing patellar instability.

- 12:45 PM–12:47 PM **Opening Remarks**  
 Javier Masquijo, MD
- 12:48 PM–12:53 PM **Anatomy and Biomechanics of Medial Restraints**  
 Kevin Shea, MD
- 12:54 PM–12:59 PM **Key Considerations in Preoperative Assessment for Patellofemoral Instability**  
 Matthew Schmitz, MD
- 1:00 PM–1:02 PM **Pearls to Avoid Complications: Room Set-up**  
 Crystal Perkins, MD
- 1:03 PM–1:05 PM **Pearls to Avoid Complications: MPFL Femoral Fixation**  
 Eric Edmonds, MD
- 1:06 PM–1:08 PM **Pearls to Avoid Complications: MPFL Patellar Fixation**  
 Henry Ellis MD
- 1:09 PM–1:11 PM **Pearls to Avoid Complications: MQTFL Quads Fixation**  
 Javier Masquijo, MD

- 1:12 PM–1:14 PM **Pearls to Avoid Complications: MPFL Graft Tensioning**  
 Jennifer Beck, MD
- 1:15 PM–1:17 PM **Pearls to Avoid Complications: Postoperative Management and RTP**  
 Franck Accadbled MD, PhD
- 1:18 PM–2:00 PM **Hands-on Exercise Hands-on Faculty:**  
 Javier Masquijo, MD  
 Matthew Schmitz, MD  
 Crystal Perkins, MD  
 Eric Edmonds, MD  
 Henry Ellis MD  
 Kevin Shea, MD  
 Jennifer Beck, MD  
 Franck Accadbled MD, PhD  
 Scott McKay, MD

## APP BREAKOUT

12:45 PM–2:00 PM



### Backbone Breakthroughs: Advancing Pediatric Spine Care

**Moderator: Valerie Parrish, PA-C**

Enhance your Pediatric Spine knowledge during this breakout session. Learn about Pediatric Spine Safety and tools to help manage patient complications both intraoperatively and postoperatively. Discover how advancements are reshaping treatments and improving outcomes for our youngest patients.

- 12:45 PM–12:52 PM **Spine Safety: Stand Tall, Fall Small**  
 John (Jack) Flynn, MD
- 12:53 PM–1:00 PM **Straightening Spines, Uplifting Minds: Mental Health in Scoliosis Patients**  
 Amber Mizerik, PA-C

Wednesday  
**DAILY SCHEDULE**

1:01 PM–1:08 PM **Halo Airway Response: Rapid Lifesaving Action!**  
Colleen Ditro, DNP, CPNP

1:09 PM–1:16 PM **Racing Towards Recovery: ERAS Protocols in Pediatric Scoliosis Care**  
Nicole Tweedy, RN, CPNP

1:17 PM–1:27 PM **Discussion**  
Colleen Ditro, DNP, CPNP  
Amber Mizerik, PA-C  
John (Jack) Flynn, MD  
Nicole Tweedy, RN, CPNP

1:28 PM–1:35 PM **Tiny Spines, Big Solutions: Evaluation and Management of Early Onset Scoliosis**  
Morgan McCarver, PA-C

1:36 PM–1:42 PM **Disc–overing the Source of the Problem: Evaluation of Back Pain**  
Craig Louer Jr., MD

1:43 PM–1:50 PM **“Oh, Oh, Oh it’s MAGEC”: The Pearls and Pitfalls of MAGEC Rods**  
Sarah Gilday MS, PA-C

1:51 PM–2:00 PM **Discussion**  
Morgan McCarver, PA-C  
Craig Louer Jr., MD  
Sarah Gilday MS, PA-C

2:05 PM–2:25 PM **Break and Exhibits**



**CONCURRENT SESSION 1**



2:30 PM–4:00 PM

**Twist and Shout: Unraveling the Rotational Mysteries of the Hip**

**Moderator:** Philip McClure, MD  
**eModerator:** Jonathan Schoenecker, MD, PhD

The overarching aim of this session is to foster a deeper integration and understanding among specialists who focus on hip-specific issues with a central theme of acetabular and femoral version. By offering a detailed exploration of both normal and abnormal rotational dynamics of the hip and lower extremities, we seek to illuminate the intricate interplay between hip rotation issues—including variations in femoral and acetabular version—and their significant repercussions on hip health.

2:30 PM–2:33 PM **Introduction**  
Moderator: Philip McClure, MD

2:35 PM–3:04 PM **Form Follows Function: Femoral and Acetabular Torsion Relative to Function**

2:35 PM–2:42 PM **Normal Rotational Development of the Femur and Acetabulum From Birth to Skeletal Maturity**  
Simon Kelley, MBChB, PhD, FRCS

2:43 PM–2:50 PM **Clinical and Radiographic Evaluation Techniques for Rotational Abnormalities in the Lower Extremity**  
V. Salil Upasani, MD

2:51 PM–2:58 PM **Normal Gait and Sitting With a Focus on Hip and Acetabular Rotation**  
James McCarthy, MD

**Wednesday**  
**DAILY SCHEDULE**

2:59 PM–3:04 PM **Discussion**  
Simon Kelley, MBChB, PhD, FRCS  
V. Salil Upasani, MD  
James McCarthy, MD

**3:06 PM–3:35 PM Addressing Hip Pathology Arising from Rotational Deformities**

3:06PM–3:13 PM **Pathological Rotational Alignment of Acetabulum Causing Hip Problems: Focus on DDH and FAI**  
Ira Zaltz, MD

3:14 PM–3:21 PM **Pathological Rotational Alignment of Femur Causing Hip Problems Transverse Plane: Focus on DDH and FAI**  
Woody Sankar, MD

3:22 PM–3:29 PM **Pathological Rotational Alignment of Femur Causing Hip Problems Coronal Plane: Focus on DDH and FAI**  
Nicholas Fletcher, MD

3:30 PM–3:35 PM **Discussion**  
Ira Zaltz, MD  
Woody Sankar, MD  
Nicholas Fletcher, MD

**3:37 PM–3:57 PM When the Hip Has Gone Missing**

3:37 PM–3:44 PM **Proximal Femoral Focal Deficiency: When There Is Hope: TYPE A/B**  
David Podeszwa, MD

3:45 PM–3:52 PM **Proximal Femoral Focal Deficiency: When There Is No Hope: TYPE C/D**  
Mihir Thacker, MD

3:52 PM–3:57 PM **Discussion**  
David Podeszwa, MD  
Mihir Thacker, MD

3:58 PM–4:00 PM **Closing Remarks**  
eModerator:  
Jonathan Schoenecker, MD, PhD

**CONCURRENT SESSION 1**

**2:30 PM–4:00 PM**



**Total Patient Care: The Complex Neuromuscular Spine**

**Moderator: M. Wade Shrader, MD**  
**e-Moderator: Michael Vitale, MD**

Learn how pediatric orthopaedic surgeons work collaboratively with each other and with other specialists to optimally care for patients with underlying neuromuscular disease. An interactive session with debates and with a special section dedicated to the hearing about the journey of a young adult with cerebral palsy.

2:30 PM–2:31 PM **Introduction**  
Moderator: M. Wade Shrader, MD

2:32 PM–2:37 PM **What the NM Spine Surgeon Needs to Remember About the Hip and Pelvis**  
Vedant Kulkarni, MD

2:38 PM–2:43 PM **What the SEMLS Surgeon Need to Remember About the Spine**  
Jaysson Brooks, MD

2:44 PM–2:46 PM **Debate: Which Comes First: Scoliosis or SEMLS**  
Ron El-Hawary, MD, MSc, FRCS(C)

2:47 PM–2:52 PM **Scoliosis Surgery Comes First**  
Suken Shah, MD

Wednesday  
**DAILY SCHEDULE**

2:53 PM–2:58 PM **SEMLS Comes First**  
Jason Howard, MD,  
FRCS(C)

2:59 PM–3:09 PM **Resolution and Discussion**  
Vedant Kulkarni, MD  
Jaysson Brooks, MD  
Ron El-Hawary, MD, MSc,  
FRCS(C)  
Suken Shah, MD  
Jason Howard, MD,  
FRCS(C)

**3:10 PM–4:00 PM** **Total Care of the Complex Neuromuscular Spine Patient: A Multi-disciplinary Approach**

**Moderator: Ron El-Hawary, MD, MSc, FRCS(C)**  
**e-Moderator: M. Wade Shrader, MD**

3:10 PM–3:15 PM **Pre-Op Work up for Complex Neuromuscular Patients**  
Rachel Thompson, MD

3:16 PM–3:21 PM **Tone Management in the Perioperative Period**  
Jennifer Laine, MD

3:22 PM–3:27 PM **Preventing and Managing Post-Op Medical Issues**  
Benjamin Shore, MD

3:28 PM–3:33 PM **NM Disease—A Hospitalist's Perspective**  
Syed Arshad Ali, MD

3:34 PM–3:42 PM **Discussion**  
Rachel Thompson, MD  
Jennifer Laine, MD  
Benjamin Shore, MD  
Syed Arshad Ali, MD

3:43 PM–3:53 PM **NM Disease—A Family's Perspective**  
Benjamin Shrader

3:54 PM–4:00 PM **Discussion**  
Rachel Thompson, MD  
Jennifer Laine, MD  
Benjamin Shore, MD  
Syed Arshad Ali, MD  
Benjamin Shrader

**2:30 PM–3:30 PM**

**Ponseti on the Go (Hands-on)**

Refine your Ponseti skills with this hands-on casting lab with coaches at each station.



**Hands-on Faculty:**

L. Reid Nichols, MD  
Javier Masquijo, MD  
Maryse Bouchard, MD, MSc  
Jaime Rice Denning, MD  
Deborah Eastwood, FRCS  
Vishwas Talwalkar, MD  
Kenneth Noonan, MD  
Derek Kelly, MD  
Anthony Riccio, MD

4:05 PM–5:05 PM **Industry Spotlight Sessions 2 (non-CME)**

5:10 PM–6:10 PM **Happy Hour in the Hall**



Thursday  
**DAILY SCHEDULE**

**Thursday, December 5**

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

**GENERAL SESSION 2**

8:05 AM–10:05 AM



**Multidisciplinary, Complex Problems in Children–Spina Bifida, Amputations, and Under-served and Under-resourced**

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

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 or circumstances from the perspective of very subspecialized experts and examine where those areas of expertise intersect.

8:05 AM–8:05 AM **Opening Remarks**  
Director: Derek Kelly, MD

**8:05 AM–8:52 AM Spina Bifida**

8:05 AM–8:10 AM **Are Rates Declining? Implications for the Pediatric Orthopaedic Surgeon and How to Run the Most Effective SB Clinic**  
Jason Howard, MD, FRCS

8:11 AM–8:16 AM **Kyphectomy: How to Minimize Complications**  
Michael Vitale, MD

8:17 AM–8:22 AM **Upper Limb in Spina Bifida: When the UE Provider Gets Involved**  
Andrea Bauer, MD

8:23 AM–8:28 AM **The Spina Bifida Hip: When Do We Put It Back In?**  
Mihir Thacker, MD

8:29 AM–8:34 AM **Ways to Maximize Gait Through Lower Limb Surgery**  
L. Reid Nichols, MD

8:35 AM–8:40 AM **The Surgeon's Role for Foot Pressure Sores: Synergy With the Wound Care Provider**  
Anthony Riccio, MD

8:41 AM–8:50 AM **Discussion**  
Jason Howard, MD, FRCS  
Michael Vitale, MD  
Andrea Bauer, MD  
Mihir Thacker, MD  
L. Reid Nichols, MD  
Anthony Riccio, MD

**8:51 AM–9:28 AM Amputation**

8:51 AM–8:56 AM **Reconstruction Strategies for the Mangled Pediatric Hand**  
Christine Ho, MD

8:57 AM–9:02 AM **Current Technology and the Future of UE Prosthesis... What Is Possible?**  
Lindley Wall, MD, MSc

9:03 AM–9:08 AM **Is Amputation Ever on the Mind of the Spine Surgeon?**  
Lindsay Andras, MD

9:09 AM–9:14 AM **LE Amputation 101**  
James McCarthy, MD

9:15 AM–9:20 AM **All About the Syme**  
Derek Kelly, MD



**Thursday**  
**DAILY SCHEDULE**

9:21 AM–9:28 AM **Discussion**  
Christine Ho, MD  
Lindley Wall, MD, MSc  
Lindsay Andras, MD  
James McCarthy, MD  
Derek Kelly, MD

**9:29 AM–10:05 AM Under-Served and Under-Resourced**

9:29 AM–9:34 AM **International Surgical Missions: How to Get Involved and Be Effective**  
Kenneth Noonan, MD

9:35 AM–9:40 AM **Hand Surgery for the International Mission Surgeon**  
Donald Bae, MD

9:41 AM–9:46 AM **Spine Surgery for the International Mission Surgeon**  
Robert Cho, MD

9:47 AM–9:52 AM **Hip Surgery for the International Mission Surgeon**  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

9:52 AM–9:57 AM **Foot Surgery for the International Mission Surgeon**  
Maryse Bouchard, MD, MSc

9:58 AM–10:05 AM **Discussion**  
Kenneth Noonan, MD  
Donald Bae, MD  
Robert Cho, MD  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC  
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)**

11:40 AM–12:40 PM **Lunch and Exhibits**

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

**CME BREAKOUT 2**

**12:45 PM–2:00 PM**



**Essentials of Pediatric Orthopaedics II**

**Moderator: James McCarthy, MD**

This session covers a variety of pediatric orthopaedic topics and 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.

12:45 PM–12:50 PM **Practice Management: EMR Efficiency Strategies**  
Jeff Martus, MD, MS

12:51 PM–12:56 PM **Malnutrition in the Peds Ortho Patient: Diagnosis and Management**  
Vishwas Talwalkar, MD

12:57 PM–1:02 PM **Management of Wounds and Pressure Ulcers: Outpatient Strategies**  
James McCarthy, MD

1:03 PM–1:11 PM **Discussion**  
Jeff Martus, MD, MS  
Vishwas Talwalkar, MD  
James McCarthy, MD

1:11 PM–1:16 PM **Spina Bifida 101: Orthotic Management**  
Jason Howard, MD, FRCSC

Thursday  
**DAILY SCHEDULE**

1:17 PM–1:22 PM	<b>Ambulatory Cerebral Palsy: Orthotic Management</b> M. Wade Shrader, MD
1:23 PM–1:31 PM	<b>Discussion</b> Jason Howard, MD, FRCS M. Wade Shrader, MD
1:32 PM–1:36 PM	<b>Initial Evaluation of the Limping Child</b> Jaysson Brooks, MD
1:37 PM–1:41 PM	<b>MSK Infection: Avoiding and Managing Complications</b> Todd Milbrandt, MD
1:42 PM–1:46 PM	<b>Not All Who Limp Have Infection</b> Jaime Rice Denning, MD
1:47 PM–1:51 PM	<b>Lumps, Bumps, and Odd X-Rays: When to Worry</b> Mihir Thacker, MD
1:52 PM–2:00 PM	<b>Discussion</b> Jaysson Brooks, MD Todd Milbrandt, MD Jaime Rice Denning, MD Mihir Thacker, MD

**CME BREAKOUT 2**

**12:45 PM–2:00 PM**



**Pelvic Osteotomies Part One: Salter, Pemberton, Dega, San Diego**

**Moderator: Jonathan Schoenecker, MD, PhD**

12:45 PM–12:50 PM **Salter Osteotomy**  
Simon Kelley, MBChB, PhD, FRCS

12:51 PM–12:56 PM **Dega/Pemberton Osteotomy**  
Deborah Eastwood, FRCS

12:57 PM–1:02 PM **San Diego Acetabuloplasty**  
V. Salil Upasani, MD

1:03 PM–1:09 PM **Short Case Review**  
Jennifer Laine, MD

1:10 PM–2:00 PM **Table Instruction**  
Hands-on Faculty:  
Simon Kelley, MBChB, PhD, FRCS  
Deborah Eastwood, FRCS  
V. Salil Upasani, MD  
Jennifer Laine, MD  
Jonathan Schoenecker, MD, PhD  
Ira Zaltz, MD

**CME BREAKOUT 2**

**12:45 PM–2:00 PM**



**Workup and Treatment Decision-Making for AIS**

**Moderator: Lindsay Andras, MD**

Learn the fundamentals related to the etiology, assessment, evaluation, classification and treatment of adolescent idiopathic scoliosis.

12:45 PM–12:50 PM **Introduction**  
Ron El-Hawary, MD, MSc, FRCS(C)

12:51 PM–12:56 PM **Genetics of AIS**  
Robert Cho, MD

12:57 PM–1:02 PM **Tips on Clinical Evaluation of the Teenager with Scoliosis**  
Nicholas Fletcher, MD

1:03 PM–1:08 PM **Radiographic Evaluation of AIS—Ruling out Non Idiopathic**  
John (Jack) Flynn, MD

1:09 PM–1:14 PM **Radiographic Classification of AIS**  
Craig Louer Jr., MD

1:15 PM–1:25 PM

**Discussion**

Ron El-Hawary, MD, MSc, FRCS(C)  
Robert Cho, MD  
Nicholas Fletcher, MD  
John (Jack) Flynn, MD  
Craig Louer Jr., MD

**1:26 PM–2:00 PM**

**Treatment of AIS**

**Moderator: Jeffrey Sawyer, MD**

1:26 PM–1:31 PM

**Scoliosis-Specific Exercise**

Michael Vitale, MD

1:32 PM–1:37 PM

**Bracing in AIS**

Daniel Sucato, MD, MS

1:38 PM–1:43 PM

**Current Indications for Growth Modulation Surgery**

Suken Shah, MD

1:44 PM–1:49 PM

**Case Presentation—Bracing vs. Growth Modulation**

Lindsay Andras, MD

1:50 PM–2:00 PM

**Discussion**

Michael Vitale, MD  
Daniel Sucato, MD, MS  
Suken Shah, MD  
Lindsay Andras, MD

**CME BREAKOUT 2**



**12:45 PM–2:00 PM**

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

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

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

12:45 PM–12:48 PM

**Welcome Remarks**

Moderator: Maryse Bouchard, MD, MSc

12:49 PM–12:56 PM

**CVT—Making the Diagnosis and Initial Assessment**

Manoj Ramachandran, MD, FRCS (Orth)

12:57 PM–1:04 PM

**Serial Casting Technique for CVT**

Maryse Bouchard, MD, MSc

1:05 PM–1:12 PM

**Initial Surgical Management and Pinning the Talonavicular Joint**

Javier Masquijo, MD

1:13 PM–1:20 PM

**What to Do When Initial Management Fails**

Anthony Riccio, MD

1:21 PM–2:00 PM

**CVT Casting (Hands-on) Hands-On Faculty:**

John Lovejoy III, MD  
Manoj Ramachandran, MD, FRCS (Orth)  
Maryse Bouchard, MD, MSc  
Javier Masquijo, MD  
Anthony Riccio, MD  
Derek Kelly, MD  
Kenneth Noonan, MD  
Vishwas Talwalkar, MD



**CME BREAKOUT 2**

12:45 PM–2:00 PM



**Unlocking the Congenital Knee**

**Moderator: Philip McClure, MD**

Focus on the knee in regards to congenital instability of the tibiofemoral joint as it applies to CFD/FH as well as congenital instability and fixed dislocations of the patella in round table discussion format.

12:45 PM–12:47 PM **Introduction**  
Philip McClure, MD

**12:48 PM–1:24 PM Lengthening the Congenitally Unstable Knee: When and How**

12:48 PM–1:03 PM **Congenitally Deficient Knee and Lengthening: Bridging Fixator**  
David Podeszwa, MD

1:04 PM–1:09 PM **Congenitally Deficient Knee and Lengthening: Prophylactic Ligament Reconstruction (SUPERKnee)**  
L. Reid Nichols, MD

1:09 PM–1:24 PM **Discussion**  
David Podeszwa, MD  
L. Reid Nichols, MD  
Alexandre Arkader, MD  
Franck Accadbled MD, PhD

**1:25 PM–1:59 PM Congenital Patellofemoral Pathology: How to Approach a Broad Spectrum of Disease**

1:25 PM–1:30 PM **Congenital Patellar Instability Treatment Considerations**  
Henry Ellis, MD

1:31 PM–1:36 PM **Congenital Dislocation of the Patella (Fixed and Dislocated) Treatment Considerations**  
Philip McClure, MD

1:37 PM–1:59 PM **Discussion**  
Henry Ellis, MD  
Philip McClure, MD  
L. Reid Nichols, MD  
Matthew Schmitz, MD

1:59 PM–2:00 PM **Closing Remarks**  
Philip McClure, MD

2:05 PM–2:25 PM **Break and Exhibits**

**CONCURRENT SESSION 2**

2:30 PM–4:00 PM



**Why Are Some Flatfeet So Complicated?!**

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

Tips and tricks for assessing and managing the complex flatfoot. What to do when a calcaneal lengthening isn't enough.

2:30 PM–2:32 PM **Welcome Remarks**  
Moderator: Maryse Bouchard, MD, MSc

2:33 PM–3:00 PM **Evaluating the Complex Flatfoot**  
Moderator: Maryse Bouchard, MD, MSc

2:33 PM–2:39 PM **Tips and Tricks for the Physical Exam and Radiographic Assessment**  
Vishwas Talwalkar, MD

2:39 PM–2:45 PM **When Should You Be Worried About Toddlers With Flatfeet?**  
Deborah Eastwood, FRCS

2:46 PM–2:52 PM **When Does the Asymptomatic Flatfoot Deserve an Operation?**  
L. Reid Nichols, MD

2:53 PM–3:00 PM **Questions With Panel**  
Moderator: Maryse Bouchard, MD, MSc

3:01 PM–3:30 PM **The Flatfoot With a Tarsal Coalition**  
Moderator: Anthony Riccio, MD

3:01 PM–3:07 PM **Algorithm for Management of the Flatfoot With a Calcaneonavicular Coalition**  
Jaime Rice Denning, MD

3:08 PM–3:14 PM **Algorithm for Management of the Flatfoot With a Talocalcaneal Coalition**  
Javier Masquijo, MD

3:15 PM–3:21 PM **Indications and Techniques for Arthrodesis in the Flatfoot With a Coalition**  
Derek Kelly, MD

3:22 PM–3:30 PM **Questions with Panel**  
Moderator: Anthony Riccio, MD

3:31 PM–4:00 PM **The Flatfoot With Other Concurrent Pathology—How Should Management Differ?**  
Moderator: Jaime Rice Denning, MD

3:31 PM–3:37 PM **The Flatfoot With an Accessory Navicular**  
Todd Milbrandt, MD

3:38 PM–3:44 PM **The Flatfoot That's Actually a Residual Untreated CVT**  
Anthony Riccio, MD

3:45 PM–3:51 PM **The Flatfoot With Distal Tibial Deformity**  
Maryse Bouchard, MD, MSc

3:52 PM–4:00 PM **Questions with Panel**  
Moderator: Jaime Rice Denning, MD

**CONCURRENT SESSION 2**

**2:30 PM–4:00 PM**



**Cool Strategies for Hot and Cold Pediatric Upper Extremity Trauma**

**Moderator: Lindley Wall, MD, MSc**  
**eModerator: Andrea Bauer, MD**

Join our illustrious international experts on this tour of acute and chronic traumatic conditions of the upper limb! From management of common hand fractures to treatment of radial growth arrest to reconstruction of nerve injuries, there will be valuable pearls and techniques for front-line providers and seasoned surgeons.

2:30 PM–2:33 PM **Introduction**  
Lindley Wall, MD, MSc

**2:34 PM–2:58 PM Common Hand Fractures**

2:34 PM–2:38 PM **Acute Phalangeal Neck Fractures: What to Do and When to Do It**  
Andrea Bauer, MD

2:39 PM–2:43 PM **Phalangeal Neck Fractures: Approach to the Late Presenter**  
Donald Bae, MD

2:44 PM–2:58 PM **Discussion**  
Lindley Wall, MD, MSc  
Donald Bae, MD  
Andrea Bauer, MD  
Christine Ho, MD

Thursday  
**DAILY SCHEDULE**

**2:59 PM–3:29 PM Distal Radial Physeal Fractures**

2:59 PM–3:03 PM **Distal Radial Physeal Fractures: It's Healed, Now What?**  
 Christine Ho, MD

3:04 PM–3:08 PM **Rebalancing the Wrist After Distal Radial Growth Arrest**  
 Sebastian Farr, MD

3:09 PM–3:13 PM **Distal Epiphyseodeses: How I Do It**  
 Andrea Bauer, MD

3:14 PM–3:29 PM **Discussion**  
 Donald Bae, MD  
 Christine Ho, MD  
 Sebastian Farr, MD  
 Andrea Bauer, MD

**3:30 PM–3:59 PM Elbow Injuries**

3:30 PM–3:34 PM **Acute Pulseless Supracondylar Fractures: My Treatment Algorithm**  
 Christine Ho, MD

3:35 PM–3:39 PM **Nerve Palsies After Elbow Fractures: When Do I Intervene?**  
 Andrea Bauer, MD

3:40 PM–3:44 PM **Cubitus Varus: My Indications and Favorite Technique**  
 Sebastian Farr, MD

3:45 PM–3:59 PM **Discussion**  
 Christine Ho, MD  
 Andrea Bauer, MD  
 Sebastian Farr, MD  
 Donald Bae, MD

3:59 PM–4:00 PM **Concluding Remarks**  
 Lindley Wall, MD, MSc

**APP BREAKOUT 2**



2:30 PM–4:00 PM

**Pediatric Trauma: Tackling Challenges and Finding Strength**

**Moderator: Nicole Tweedy, RN, CPNP**

Understand the unique challenges of pediatric trauma and explore strategies for effective management of fractures.

2:30 PM–2:37 PM **Ankle in Ache: Navigating the Break**  
 Christopher Tremonti, PA-C

2:38 PM–2:45 PM **HANDY Solutions: Managing Pediatric Metacarpal Fractures and Volar Plate Injuries**  
 John Ansiaux, PA-C

2:46 PM–2:53 PM **Discussion**  
 Christopher Tremonti, PA-C  
 John Ansiaux, PA-C

**2:54 PM–3:27 PM Master Class: Preferred Methods of Management for Forearm Fractures**

2:54 PM–3:00 PM **Closed Reduction/Wedging of Forearm Fractures**  
 John Ansiaux, PA-C

3:01 PM–3:08 PM **Operative Management of Forearm Fractures**  
 Sheila Marceron, DNP

3:09 PM–3:16 PM **Nonoperative Management of Forearm Fractures**  
 Thomas McPartland, MD

3:17 PM–3:27 PM **Discussion**  
 John Ansiaux, PA-C  
 Sheila Marceron, DNP  
 Thomas McPartland, MD

Thursday  
**DAILY SCHEDULE**

3:28 PM–4:00 PM

**Master Class:  
Preferred Methods of  
Management for Tibial  
Shaft Fractures**

3:28 PM–3:35 PM

**Closed Reduction/  
Wedging of Tibial Shaft  
Fractures**

Kevin Moore, PA-C

3:36 PM–3:43 PM

**Operative Management  
of Tibial Shaft Fractures**

Christopher Tremonti, PA-C

3:43 PM–3:50 PM

**Nonoperative  
Management of Tibial  
Shaft Fractures**

Philip McClure, MD

3:50 PM–4:00 PM

**Discussion**

Kevin Moore, PA-C

Christopher Tremonti, PA-C

Philip McClure, MD

2:30 PM–3:30 PM

**Pavlik on the Go (Hands-on)**



Brief introduction with tips and tricks focused on Pavlik.

**Hands-on Faculty:**

Valerie Parrish, PA-C

Lydia Belcher, APRN

Simon Kelley, MBChB, PhD, FRCS

Deborah Eastwood, FRCS

Kishore Mulpuri, MBBS, MS, MHSc, FRCS

2:30 PM–3:30 PM

**Halo on the Go (Hands-on)**



Brief introduction with Halo tips and tricks with the opportunity to learn and practice on a simulator with real equipment.

**Hands-on Faculty:**

Firoz Miyajji, MD, FRCS

Ron El-Hawary, MD, MSc, FRCS(C)

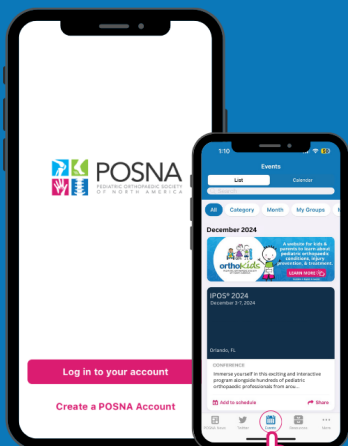
Suken Shah, MD

John Lovejoy III, MD

Michael Glotzbecker, MD

Jennifer Bauer, MD

Jeffrey Sawyer, MD



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## Friday, December 6

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

## CME BREAKOUT 3

8:05 AM–9:20 AM



## Current Surgical Controversies in AIS

**Moderator: Michael Glotzbecker, MD**  
**e-Moderator: Firoz Miyajji, MD, FRCS(C)**

An advanced level session with a focus on indications for fusion surgery and strategies for optimally and safely treating adolescent idiopathic scoliosis with fusion techniques.

8:06 AM–8:10 AM **Introduction**  
 Ron El-Hawary, MD, MSc, FRCS(C)

8:11 AM–8:16 AM **Indications for Fusion Surgery**  
 Craig Louer Jr., MD

8:17 AM–8:37 AM **Debate: 45 Degree Thoracic Curve, 16-Year-Old Skeletally Mature Patient**

8:17 AM–8:19 AM **Case Presentation**  
 Jennifer Bauer, MD

8:20 AM–8:24 AM **Pros: This Patient Should Be Managed With Surgery**  
 Firoz Miyajji, MD, FRCS(C)

8:25 AM–8:29 AM **Con: This Patient Will Do Better in the Long-Term Without Surgery**  
 Todd Milbrandt, MD

8:30 AM–8:37 AM **Debate Resolution and Discussion**  
 Jennifer Bauer, MD  
 Firoz Miyajji, MD, FRCS(C)  
 Todd Milbrandt, MD

8:38 AM–9:20AM **Advanced Surgical Techniques for AIS**

**Moderator: Robert Cho, MD**  
**e-Moderator: Craig Louer Jr., MD**

8:38 AM–8:43 AM **Level Selection in AIS: My Guiding Rules for Lenke 1 Curves**  
 Jeff Martus, MD, MS

8:44 AM–8:49 AM **The Biomechanics of Deformity Correction: Tips and Tricks on How to Correct a Lenke 1A Curve**  
 Robert Cho, MD

8:50 AM–8:55 AM **Shoulder Balance in AIS: Respect the Proximal Thoracic Curve**  
 Ron El-Hawary, MD, MSc, FRCS(C)

8:56 AM–9:03 AM **Discussion**  
 Jeff Martus, MD, MS  
 Robert Cho, MD  
 Ron El-Hawary, MD, MSc, FRCS(C)

9:04 AM–9:08 AM **Thoracoscopic Anterior Release**  
 Daniel Sucato, MD, MS

9:09 AM–9:13 AM **Posterior Osteotomy Techniques**  
 Suken Shah, MD

9:14 AM–9:20 AM **Discussion**  
 Daniel Sucato, MD, MS  
 Suken Shah, MD



Friday  
**DAILY SCHEDULE**

**CME BREAKOUT 3**

8:05 AM–9:20 AM



**Pelvic Osteotomies Part Two: Triple, PAO (Hands-On)**

**Moderator: Jonathan Schoenecker, MD, PhD**

Part 2: Triple and Periacetabular Osteotomies

8:05 AM–8:09 AM **PAO**  
 Daniel Sucato, MD, MS

8:10 AM–8:19 AM **Triple Osteotomy**  
 Ira Zaltz, MD

8:20 AM–8:29 AM **Short Case Review**  
 David Podeszwa, MD

8:30 AM–9:20 AM **Table Instruction**  
 Hands-on Faculty  
 Daniel Sucato, MD, MS  
 Ira Zaltz, MD  
 Jonathan Schoenecker, MD, PhD  
 Woody Sankar, MD  
 V. Salil Upasani, MD  
 David Podeszwa, MD

8:12 AM–8:14 AM

**How Do You Reduce This?**

Andrea Bauer, MD

8:15 AM–8:17 AM

**Where Do I Put the Pins?**

Christine Ho, MD

8:17 AM–8:20 AM

**Table Assignments**

Lindley Wall, MD, MSc

8:21 AM–9:05 AM

**Hands-on Workshop**

Hands-on Faculty:  
 Donald Bae, MD  
 Lindley Wall, MD, MSc  
 Andrea Bauer, MD  
 Christine Ho, MD  
 Jennifer Beck, MD  
 Eric Edmonds, MD  
 Alexandre Arkader, MD  
 Matthew Schmitz, MD  
 Scott McKay, MD  
 Vishwas Talwalkar, MD  
 Kenneth Noonan, MD  
 Derek Kelly, MD  
 Anthony Riccio, MD  
 Nicholas Fletcher, MD  
 John Lovejoy III, MD

**CME BREAKOUT 3**

8:05 AM–9:20 AM



**Pinning an Elbow (Hands-on)**

**Moderator: Lindley Wall, MD, MSc**

A hands-on and interactive session on pinning of supracondylar humerus fractures, guided by our esteemed IPOS® faculty. Space is limited, so register early!

8:05 AM–8:08 AM **The Elbow Is Broken...**  
 Lindley Wall, MD, MSc

8:09 AM–8:11 AM **How Do I Like My Operating Suite Set Up?**  
 Donald Bae, MD

9:06 AM–9:07 AM

**Debrief**

Moderator: Lindley Wall, MD, MSc

9:08 AM–9:10 AM

**Final Tips for Pin Placement—Medial or Lateral?**

Donald Bae, MD

9:11 AM–9:13 AM

**When and How to Open?**

Andrea Bauer, MD

9:14 AM–9:16 AM

**How to Make the Best Cast**

Christine Ho, MD

9:17 AM–9:20 AM

**When the Cast Comes Off and Pins Come Out**

Eric Edmonds, MD

## CME BREAKOUT 3

8:05 AM–9:20 AM



### Neuromuscular Gait Analysis for Non-CP Conditions

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

Group discussion format to present the most important aspect of gait analysis for the most common non-CP neuromuscular conditions

8:05 AM–8:07 AM

#### Introduction

M. Wade Shrader, MD

8:08 AM–8:15 AM

#### Identifying Pathological Gait in Neuromuscular Disorders

Vedant Kulkarni, MD

8:16 AM–8:24 AM

#### How I Approach Gait Analysis: The Diagnostic Matrix

Rachel Thompson, MD

8:25 AM–8:40 AM

#### Case Discussion: Myelomeningocele

M. Wade Shrader, MD  
Benjamin Shore, MD  
Rachel Thompson, MD  
Vedant Kulkarni, MD  
Jason Howard, MD, FRCS  
Thomas Dreher, MD  
Jennifer Laine, MD

8:41 AM–8:56 AM

#### Case Discussion: Hereditary Spastic Paraparesis

M. Wade Shrader, MD  
Benjamin Shore, MD  
Rachel Thompson, MD  
Vedant Kulkarni, MD  
Jason Howard, MD, FRCS  
Thomas Dreher, MD  
Jennifer Laine, MD

8:57 AM–9:12 AM

#### Case Discussion: CMT

M. Wade Shrader, MD  
Benjamin Shore, MD  
Rachel Thompson, MD  
Vedant Kulkarni, MD

Jason Howard, MD, FRCS  
Thomas Dreher, MD  
Jennifer Laine, MD

9:13 AM–9:15 AM

**Master Review: Take Home Points Myelo**  
Benjamin Shore, MD

9:16 AM–9:18 AM

**Master Review: Take Home Points CMT**  
Jason Howard, MD, FRCS

9:18 AM–9:20 AM

**Master Review: Take Home Points HSP**  
Vedant Kulkarni, MD

## APP BREAKOUT 3

8:05 AM–9:20 AM



### Hot Topics in Orthopaedics: Innovation and Preoperative Trends

**Moderator: Valerie Parrish, PA-C**

Explore the latest advancements and trends shaping orthopaedic practice today. From innovative surgical techniques to breakthroughs in technology, this program will provide valuable insights into the rapidly evolving landscape of orthopaedic care.

8:05 AM–9:20 AM

**Hot Topics in Orthopaedics: Innovation and Preoperative Trends**  
Moderator: Valerie Parrish, PA-C

8:05 AM–8:12 AM

**3D Precision: Creating Custom Cutting Guides for Surgery**  
John Ansiaux, PA-C

8:13 AM–8:20 AM

**Custom Drip, No CAP: Custom Implants for Pediatric Oncology Patients**  
Paige Wheaton, PA-C

## Friday DAILY SCHEDULE

8:21 AM–8:28 AM **Perioperative Optimization: Social Determinants of Health**  
Morgan McCarver, PA-C

8:29 AM–8:36 AM **Using Opioid Alternatives in Postoperative Pain Management**  
Sheila Marceron, DNP

8:37 AM–8:44 AM **Revolutionizing External Fixator Management for Lower Limb Deformities**  
Kevin Moore, PA-C

8:45 AM–8:52 AM **Beyond 3D: Navigating Spinal Advancements with 7D Precision**  
Jaysson Brooks, MD

8:53 AM–9:03 AM **Discussion**  
John Ansiaux, PA-C  
Paige Wheaton, PA-C  
Morgan McCarver, PA-C  
Sheila Marceron, DNP  
Kevin Moore, PA-C  
Jaysson Brooks, MD

9:04 AM–9:20 AM **Hands-on Frame Management Demonstration with OrthoPediatics**  
Kevin Moore, PA-C

### 8:05 AM–11:20 AM

#### **Practicing PediPod: Teach the Teacher, Leadership Institute, and Finance**



**Moderators: James McCarthy, MD  
Suken Shah, MD**

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?! Faculty will be dropping pearls on all this and more in a small group setting! The Leadership Institute Masterclass is in session with negotiation, feedback, effective changemaking, and compensation models that work. Increase your EQ as well as your IQ! We end with updates on AI/ML and full spectrum financial management tactics for us by us.

#### **8:05 AM–8:45 AM Teach the Teacher Workshop 2024**

**Moderator: Sandra Jarvis-Selinger, PhD**

Panelists: Craig Ebersson, MD  
Thomas McPartland, MD  
Suken Shah, MD  
Lindsay Andras, MD

- Be a Better Presenter Small Group Exercise
- What Is It You Want to Say?
- Know Your Audience
- Effective Presentation Skills
- Using PowerPoint as an Aid, Not a Crutch
- Make It Stick
- Group Report Out, Lessons Learned



## Friday DAILY SCHEDULE

### 8:45 AM–9:30 AM Leadership Institute I

**Moderators:** James McCarthy, MD  
John (Jack) Flynn, MD

8:45 AM–8:51 AM **The Best Negotiation: Both Sides Win?**  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

8:52 AM–9:00 AM **How to Develop and Implement a Meaningful Strategic Plan**  
James McCarthy, MD

9:00 AM–9:29 AM **Good to Great: Five Steps to Division/ Department Leadership Success**  
Jeffrey Sawyer, MD  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC  
Michael Glotzbecker, MD  
Michael Vitale, MD

9:29 AM–9:34 AM **Discussion**

9:34 AM–9:44 AM **Break**

### 9:45 AM–10:15 AM Leadership Institute II

**Moderators:** Sandra Jarvis-Selinger, PhD

**Panelists:** Suken Shah, MD  
Lindsay Andras, MD  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC  
Daniel Sucato, MD, MS  
Donald Bae, MD  
Todd Milbrandt, MD  
James McCarthy, MD  
Kevin Shea, MD  
Jaime Rice Denning, MD  
V. Salil Upasani, MD

- Active Listening
- Crucial Conversations
- Giving and Receiving Feedback
- Leading Impactful QI Efforts for Change
- Group Report Out, Lessons Learned

10:16 AM–10:25 AM **Physician Compensation: Models, Incentives, and Benchmarks**  
James McCarthy, MD

10:26 AM–10:34 AM **A Primer on LLM and Machine Learning in Medicine**  
Manoj Ramachandran, BSc(Hons), MBBS(Hons), MRCS(Eng), FRCS(Tr&Orth)

10:35 AM–10:43 AM **AI in Peds Ortho—An Update**  
Manoj Ramachandran, BSc(Hons), MBBS(Hons), MRCS(Eng), FRCS(Tr&Orth)

10:44 AM–10:50 AM **How to Crush the Video Interview (On Both Sides of the Screen)**  
Nicholas Fletcher, MD

10:50 AM–10:55 AM **Discussion**  
James McCarthy, MD  
Manoj Ramachandran, BSc(Hons), MBBS(Hons), MRCS(Eng), FRCS(Tr&Orth)  
Nicholas Fletcher, MD

10:55 AM–11:20 AM **Financial Management 101 to 401**  
Mark Rieger, MD, CFP

9:25 AM–9:45 AM **Break and Exhibits**

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## CONCURRENT SESSION 2



9:50 AM–11:20 AM

**Pediatric Sports Controversies: If It's Your Child, What Do You Do?****Moderator:** Eric Edmonds, MD**eModerator:** Scott McKay, MD

This session is designed to address critical issues in pediatric sports medicine through engaging debates. The format features insights from two highly skilled debaters, fostering audience engagement through questions and discussions. This session covers a range of topics, including ACL tears in different age groups, management of recurrent patellar dislocation, and approaches to treating knee osteochondral defects.

9:50 AM–9:52 AM **Opening Remarks and Pre-Debate Voting**

Eric Edmonds, MD

9:53 AM–9:57 AM **Debate Prompt: ACL Tear in 10-Year-Old Male: Physeal-Sparing IT Band ACL Reconstruction**

Henry Ellis, MD

9:58 AM–10:02 AM **Debate Prompt: ACL Tear in 10-Year-Old Male: All-Epiphyseal Technique for ACL Reconstruction**

Eric Edmonds, MD

10:03 AM–10:09 AM **Discussion**

Henry Ellis, MD

Eric Edmonds, MD

10:10 AM–10:14 AM **Debate Prompt: ACL Tear in 15-Year-Old Male Soccer Player With Increased Hyperlaxity: LET Is Unnecessary**

Jennifer Beck, MD

10:15 AM–10:19 AM **Debate Prompt: ACL Tear in 15-Year-Old Male Soccer Player With Increased Hyperlaxity: LET Is a Must**

Scott McKay, MD

10:20 AM–10:26 AM **Discussion**

Jennifer Beck, MD

Scott McKay, MD

10:27 AM–10:31 AM **Debate Prompt: Recurrent Patellar Dislocation and Severe Genu Valgum in a 12-Year-Old Male: One-Stage Guided Growth/MPFL-R**

Matthew Schmitz, MD

10:32 AM–10:36 AM **Debate Prompt: Recurrent Patellar Dislocation and Severe Genu Valgum in a 12-Year-Old Male: Staged Guided Growth/MPFL-R**

Javier Masquijo, MD

10:37 AM–10:43 AM **Discussion**

Matthew Schmitz, MD

Javier Masquijo, MD

10:44 AM–10:48 AM **Debate Prompt: Recurrent Patellar Dislocation, TT-TG 20mm, Type D Trochlear Dysplasia and Positive J Sign in a 16-Year-Old Female: MPFL-R + TTO**

Crystal Perkins, MD

**Friday**  
**DAILY SCHEDULE**

- 10:49 AM–10:53 AM **Debate Prompt:**  
**Recurrent Patellar Dislocation, TT-TG 20mm, Type D Trochlear dysplasia and positive J sign in a 16-year-old Female: MPFL-R + Trochleoplasty**  
Franck Accadbled MD, PhD
- 10:54 AM–11:00 AM **Discussion**  
Crystal Perkins, MD  
Franck Accadbled MD, PhD
- 11:01 AM–11:05 AM **Debate Prompt: 2.5cm<sup>2</sup> Unstable JOCD of the Knee in a 17-Year-Old Male: Preserve the Cartilage by All Means**  
Henry Ellis, MD
- 11:06 AM–11:10 AM **Debate Prompt: 2.5cm<sup>2</sup> Unstable JOCD of the Knee in a 17-Year-Old Male: Fresh Osteochondral Allograft Is the Solution**  
Kevin Shea, MD
- 11:11 AM–11:20 AM **Discussion and Post-Debate Voting**  
Henry Ellis, MD  
Kevin Shea, MD

**CONCURRENT SESSION 2**



9:50 AM–11:20 AM

**Basics of Lower Extremity Deformity Analysis**

**Moderator:** L. Reid Nichols, MD  
**eModerator:** Philip McClure, MD

Deformity of the lower extremity is one of the most common entities in pediatric orthopaedics. This session presents an overview of a clear and concise system for deformity analysis and correction planning.

9:50 AM–9:52 AM

**Introduction**

**Moderator:** L. Reid Nichols, MD

9:53 AM–9:58 AM

**Normal Alignment in the Coronal Plane**

Philip McClure, MD

9:59 AM–10:04 AM

**Normal Alignment in the Coronal Plane With PPT Walkthrough**

David Podeszwa, MD

10:05 AM–10:08 AM

**Discussion**

Philip McClure, MD  
L. Reid Nichols, MD  
David Podeszwa, MD

**10:10 AM–10:37 AM Coronal Plane Deformity Analysis**

10:10 AM–10:20 AM

**Tibial Deformity Analysis With PPT Walkthrough (Proximal Tibia)**

L. Reid Nichols, MD

10:21 AM–10:31 AM

**Tibial Deformity Analysis With PPT Walkthrough (Distal Tibia)**

Simon Kelley, MBChB, PhD, FRCS



## Friday DAILY SCHEDULE

10:32 AM–10:37 AM **Discussion**  
L. Reid Nichols, MD  
Philip McClure, MD  
Simon Kelley, MBChB,  
PhD, FRCS

### 10:37 AM–11:19 AM Deformity Potpourri

10:37 AM–10:49 AM **Sagittal Plane Deformity Overview**  
Alexandre Arkader, MD

10:50 AM–11:02 AM **Choosing the Appropriate Correction Level**  
Mihir Thacker, MD

11:03 AM–11:08 AM **Joint Line Obliquity: Does It Matter?**  
David Podeszwa, MD

11:09 AM–11:19 AM **Discussion**  
Alexandre Arkader, MD  
Mihir Thacker, MD  
David Podeszwa, MD  
Simon Kelley, MBChB,  
PhD, FRCS

11:19 AM–11:20 AM **Closing Remarks**  
Moderator: L. Reid Nichols, MD

11:25 AM–12:25 PM **Lunch and Exhibits**

11:55 AM–12:25 PM **Lunchtime Career Development**

## GENERAL SESSION 3

12:30 PM–2:50 PM



### Author's Preferred Techniques

**Moderator: Derek Kelly, MD**  
**eModerator: Robert Cho, MD**

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

12:30 PM–12:31 PM **Introduction**  
Director:  
Derek Kelly, MD

12:32 PM–12:37 PM **Reduction and Flexion-Type SCH**  
Nicholas Fletcher, MD

12:38 PM–12:43 PM **Elbow Ulnar Collateral Ligament Reconstruction**  
Eric Edmonds, MD

12:44 PM–12:49 PM **Submuscular Plate for Pediatric Femur Fracture**  
Jeffrey Sawyer, MD

12:50 PM–12:55 PM **Discussion**  
Moderator: Derek Kelly, MD  
eModerator:  
Robert Cho, MD

12:56 PM–1:01 PM **Single Incision Triple**  
Woody Sankar, MD

1:02 PM–1:07 PM **Proximal Femoral Resection Through Troch Flip**  
Jonathan Schoenecker, MD, PhD

1:08 PM–1:13 PM **Derotational Femoral Osteotomy Over a Nail**  
Phillip McClure, MD

**Friday**  
**DAILY SCHEDULE**

1:14 PM–1:19 PM **Discussion**  
Moderator: Derek Kelly, MD  
eModerator:  
Robert Cho, MD

1:20 PM–1:25 PM **Navigation for Spine Deformity: Strategies for Intraoperative Efficiency**  
Jeff Martus, MD, MS

1:26 PM–1:31 PM **IONM Interpretation**  
Daniel Sucato, MD, MS

1:32 PM–1:37 PM **Spinal Fixation Techniques**  
Suken Shah, MD

1:38 PM–1:43 PM **Discussion**  
Moderator: Derek Kelly, MD  
eModerator:  
Robert Cho, MD

1:44 PM–1:49 PM **Hybrid Fixation for Juvenile OCD of the Knee**  
Javier Masquijo, MD

1:50 PM–1:55 PM **Hip Arthroscopy for Pediatric Septic Hip**  
Henry Ellis, MD

1:56 PM–2:01 PM **Subtalar Coalition Excision**  
Anthony Riccio, MD

2:02 PM–2:07 PM **Discussion**  
Moderator: Derek Kelly, MD  
eModerator:  
Robert Cho, MD

2:08 PM–2:13 PM **FDS Opposition for Thumb Hypoplasia**  
Lindley Wall, MD, MSC

2:14 PM–2:19 PM **Anterior Approach to the Pediatric Hip**  
Ira Zaltz, MD

2:20 PM–2:25 PM **E&M Medical Decision-Making for the Pedipod**  
Derek Kelly, MD

2:25 PM–2:30 PM **Discussion and Audience Voting**  
Moderator: Derek Kelly, MD  
eModerator:  
Robert Cho, MD

2:31 PM–2:50 PM **Awards: Presentation of Resident Cases, Top Gun, and Author's Preferred Techniques**  
Director: Derek Kelly, MD

*Cheers to 20 Years!*

Join us in raising a toast to commemorate the 20th Annual IPOS® alongside your esteemed colleagues, faculty members, past IPOS® directors, and exhibitors!

2:55 PM–3:30 PM





# Saturday DAILY SCHEDULE

## Saturday, December 7

7:00 AM–8:00 AM **Breakfast**

**7:30 AM–9:35 AM**

### Practicing PediPod: Practice Management, Innovation, and Peak Performance

**Moderators: James McCarthy, MD  
Suken Shah, MD**

This session is a must for Fellowship Program Directors and all aspiring leaders in pediatric orthopaedics: academic and clinical. We will dig into up-to-the-minute news on Peds Ortho Fellowships, POSNA involvement demystified, updates on coding, and billing, practice management of APPs and adopting innovation in your practice.

7:30 AM–7:40 AM **Peds Ortho Fellowship Update and Latest Survey Results**  
Meghan Imrie, MD

7:40 AM–7:46 AM **Society Involvement, Service, and Volunteer Leadership: Why Is It Important?**  
Jeffrey Sawyer, MD

7:47 AM–7:55 AM **JPOSNA®: Our Society's Journal—Your Role and Its Impact on the Care of Children**  
Kenneth Noonan, MD

7:55 AM–8:00 AM **Discussion**  
Meghan Imrie, MD  
Jeffrey Sawyer, MD  
Kenneth Noonan, MD

8:00 AM–8:57 AM **Peds Ortho Practice Management**  
Moderators:  
James McCarthy, MD  
Suken Shah, MD

8:00 AM–8:14 AM **Billing and Coding Changes for Peds Ortho in 2024**  
Kevin Neal, MD

8:15 AM–8:25 AM **Best Practice in Coding for Fractures—Global or E&M?**  
Lindsay Andras, MD

8:25 AM–8:30 AM **Discussion**  
Kevin Neal, MD  
Lindsay Andras, MD

8:30 AM–8:40 AM **Onboarding a New APP in Your Practice: Competencies, Mastery, and Autonomy**  
John Lovejoy III, MD

8:40 AM–8:45 AM **Innovation in APP for Peds Ortho—What I Do**  
Valerie Parrish, PA-C

8:46 AM–8:51 AM **Innovation in APP and NonOp MDs for Peds Ortho—What I Do**  
John (Jack) Flynn, MD

8:52 AM–8:58 AM **Discussion**  
John Lovejoy III, MD  
Valerie Parrish, PA-C  
John (Jack) Flynn, MD

8:59 AM–9:07 AM **Where's the Safe Place for Innovation in Practice? Protecting Patients and Preserving Trust**  
Suken Shah, MD

9:08 AM–9:16 AM **How to Learn New Techniques as a Practicing PediPod and Incorporate Them in Practice**  
Craig Ebersson, MD

**Saturday**  
**DAILY SCHEDULE**

9:16 AM–9:24 AM **Personal Best: Thoughts on Peak Performance and Overcoming Jet Lag**  
Suken Shah, MD

9:25 AM–9:35 AM **Discussion and Wrap Up**  
Moderators: James McCarthy, MD  
Suken Shah, MD

8:43 AM–8:53 AM **Upper Extremity Surgery in CP: What Are the Indications?**  
Lindley Wall, MD, MSc

8:54 AM–9:03 AM **Autism and CP: What's the Overlap?**  
Rachel Thompson, MD

9:04 AM–9:14 AM **What's Different about HSP and CP?**  
Jason Howard, MD, FRCS

9:15 AM–9:35 AM **Case Discussions**  
Benjamin Shore, MD  
Lindley Wall, MD, MSc  
Rachel Thompson, MD  
Jason Howard, MD, FRCS

**CONCURRENT SESSION 4**

**8:05 AM–9:35 AM**



**CP Hip Surveillance and CP-Like Conditions**

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

Perspectives of hip surveillance in CP and CP-like conditions, and discussion of Upper Extremity Surgical Indications and how HSP and Autism overlap with CP

8:05 AM–8:10 AM **Intro: It Takes a Village**  
M. Wade Shrader, MD

8:11 AM–8:16 AM **Hip Surveillance—Lessons Learned from Launching a North American Surveillance Program**  
Kishore Mulpuri, MBBS, MS, MHSc, FRCS

8:17 AM–8:22 AM **Hip Surveillance—European Perspective**  
Thomas Dreher, MD

8:23 AM–8:28 AM **Hip Surveillance—Should Patients Own their Data? HIPSCREEN**  
Vedant Kularni, MD

8:29 AM–8:42 AM **Case Discussions**  
Rachel Thompson, MD  
M. Wade Shrader, MD  
Kishore Mulpuri, MBBS, MS, MHSc, FRCS  
Thomas Dreher, MD

**CME BREAKOUT 4**

**9:40 AM–10:55 AM**



**Essentials of Pediatric Orthopaedics III**

**Moderator: Jeff Martus, MD, MS**

This session covers a variety of pediatric orthopaedic topics and 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.

9:40 AM–9:44 AM **Pediatric Idiopathic Back Pain: Practical Evaluation and Management**  
Michael Glotzbecker, MD

9:45 AM–9:49 AM **Scheuermann's Kyphosis: Diagnosis and Management**  
Jennifer Bauer, MD

## Saturday DAILY SCHEDULE

9:50 AM–9:54 AM **Scoliosis 101**  
Firoz Miyanji, MD, FRCSC

9:55 AM–9:59 AM **Modern Brace Treatment of Scoliosis**  
Lindsay Andras, MD

10:00 AM–10:08 AM **Discussion**  
Michael Glotzbecker, MD  
Jennifer Bauer, MD  
Firoz Miyanji, MD, FRCSC  
Lindsay Andras, MD

10:09 AM–10:14 AM **Approach to the Patient With Osteogenesis Imperfecta**  
Jeff Martus, MD, MS

10:15 AM–10:20 AM **Approach to the Patient With Osteopenia**  
Craig Ebersson, MD

10:21 AM–10:29 AM **Discussion**  
Jeff Martus, MD, MS  
Craig Ebersson, MD

10:30 AM–10:35 AM **Clubfoot 101: Keeping the Ponseti Program on Track**  
Jaime Rice Denning, MD

10:36 AM–10:41 AM **Modern Shoes and Orthotics for Pediatric Foot Pathology**  
Maryse Bouchard, MD, MSc

10:42 AM–10:47 AM **Approach to the Patient With Limb Deficiency**  
Philip McClure, MD

10:48 AM–10:55 AM **Discussion**  
Jaime Rice Denning, MD  
Maryse Bouchard, MD, MSc  
Philip McClure, MD

## CME BREAKOUT 4



9:40 AM–10:55 AM

### Foundations in Hip Dysplasia: Get to Know the Villains

**Moderator: Jonathan Schoenecker, MD, PhD**

Foundations in Hip Dysplasia: Get to Know the Villains” aims to equip IPOS® learners with an in-depth understanding of hip dysplasia in infants and toddlers. This session meticulously focuses on the pathoanatomy of dysplasia, bridging foundational knowledge with advanced clinical insights. It ensures participants are well-prepared to address the complexities of hip dysplasia in their practice. Through detailed exploration of both soft tissue and bony pathologies, the session fosters a comprehensive understanding of why these structures cause DDH and why these structures may prevent bracing, hinder a closed reduction, or necessitate addressing during an open reduction. Inclusive of both non-operative and operative treatment modalities, the session encourages interaction from a wide range of DDH practitioners. In addition to didactics, this session will feature interactive elements such as case studies, panel debates, and live Q&A to promote active participation and real-time engagement.

### 9:48 AM–10:05 AM Foundations of Hip Anatomy: Normal Development and Milestones

9:48 AM–9:56 AM **Normal Development: The Bones of the Hip**  
Jonathan Schoenecker, MD, PhD

9:57 AM–10:02 AM **Normal Development: The Muscles, Capsule, and Labrum**  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

10:03 AM–10:05 AM **Discussion**  
Jonathan Schoenecker, MD, PhD  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

**Saturday**  
**DAILY SCHEDULE**

**10:06 AM–10:17 AM Dysplasia: Extracapsular and Capsular Pathology**

10:06 AM–10:11 AM **The Muscles Are the Villain**  
Deborah Eastwood, FRCS

10:12 AM–10:17 AM **The Capsule Is the Villain**  
Ira Zaltz, MD

**10:18 AM–10:33 AM Dysplasia: Intra-capsular Pathology**

10:18 AM–10:23 AM **The Stuff on the Inside of the Joint Are Villains**  
Woody Sankar, MD

10:24 AM–10:29 AM **Case-Based Debate on Muscle vs. Capsule vs. Stuff on the Inside—The Primary Culprit in Treatment Resistance**  
Jonathan Schoenecker, MD, PhD

10:30 AM–10:33 AM **Discussion**  
Woody Sankar, MD  
Jonathan Schoenecker, MD, PhD  
Ira Zaltz, MD  
Deborah Eastwood, FRCS  
Kishore Mulpuri, MBBS, MS, MHSc, FRCSC

**10:34 AM–10:54 AM Dysplasia: The Role of the Femur and Acetabulum**

10:34 AM–10:39 AM **The Femur Version and Length Can Be the Villain**  
Simon Kelley, MBChB, PhD, FRCS

10:40 AM–10:45 AM **The Acetabulum Is the Villain**  
V. Salil Upasani, MD

10:46 AM–10:51 AM **Case-Based Debate on Femoral vs. Acetabular Deformities—Prioritizing Surgical Intervention**

Jonathan Schoenecker, MD, PhD

10:52 AM–10:54 AM **Discussion**  
Simon Kelley, MBChB, PhD, FRCS  
V. Salil Upasani, MD  
Jonathan Schoenecker, MD, PhD

10:54 AM–10:55 AM **Closing Remarks**  
Moderator: Jonathan Schoenecker, MD, PhD

**CME BREAKOUT 4**

**9:40 AM–10:55 AM**



**Coronal and Transverse Malalignment in Pediatric Patellofemoral Instability**

**Moderator: Henry Ellis, MD**

This session aims to provide a comprehensive understanding of lower extremity deformities in pediatric patellofemoral instability, covering both diagnostic aspects and a range of treatment modalities with a focus on minimizing complications.

9:40 AM–9:42 AM **Opening Remarks**  
Moderator: Henry Ellis, MD

9:43 AM–9:48 AM **My 5 Tips For PFI Physical Evaluation**  
Crystal Perkins, MD

9:49 AM–9:54 AM **Lower Extremity Deformity Evaluation: What Is Normal and What Is Not?**  
Franck Accadbled MD, PhD

9:49 AM–9:54 AM **Discussion**  
Crystal Perkins, MD  
Franck Accadbled MD, PhD

**Saturday**  
**DAILY SCHEDULE**

10:01 AM–10:06 AM **Guided Growth and Patellar Stabilization: When and How?**  
Jennifer Beck, MD

10:07 AM–10:12 AM **Distal Femoral Osteotomy for Genu Valgum: My Preferred Technique**  
Alexandre Arkader, MD

10:13 AM–10:18 AM **Discussion**  
Jennifer Beck, MD  
Alexandre Arkader, MD

10:19 AM–10:24 AM **Femoral Derotational Osteotomies: When, Where, and How?**  
L. Reid Nichols, MD

10:25 AM–10:30 AM **Tibial Derotational Osteotomies: When, Where, and How?**  
David Podeszwa, MD

10:31 AM–10:36 AM **Discussion**  
L. Reid Nichols, MD  
David Podeszwa, MD

10:37 AM–10:42 AM **Treatment Options for Distal Realignment in the Skeletally Immature: What's Hot and What's Not?**  
Javier Masquijo, MD

10:43 AM–10:48 AM **Tibial Tubercle Osteotomy: How to Stay Out of Trouble**  
Kevin Shea, MD

10:49 AM–10:55 AM **Discussion**  
Javier Masquijo, MD  
Kevin Shea, MD

11:00 **Farewell Grab 'n Go**

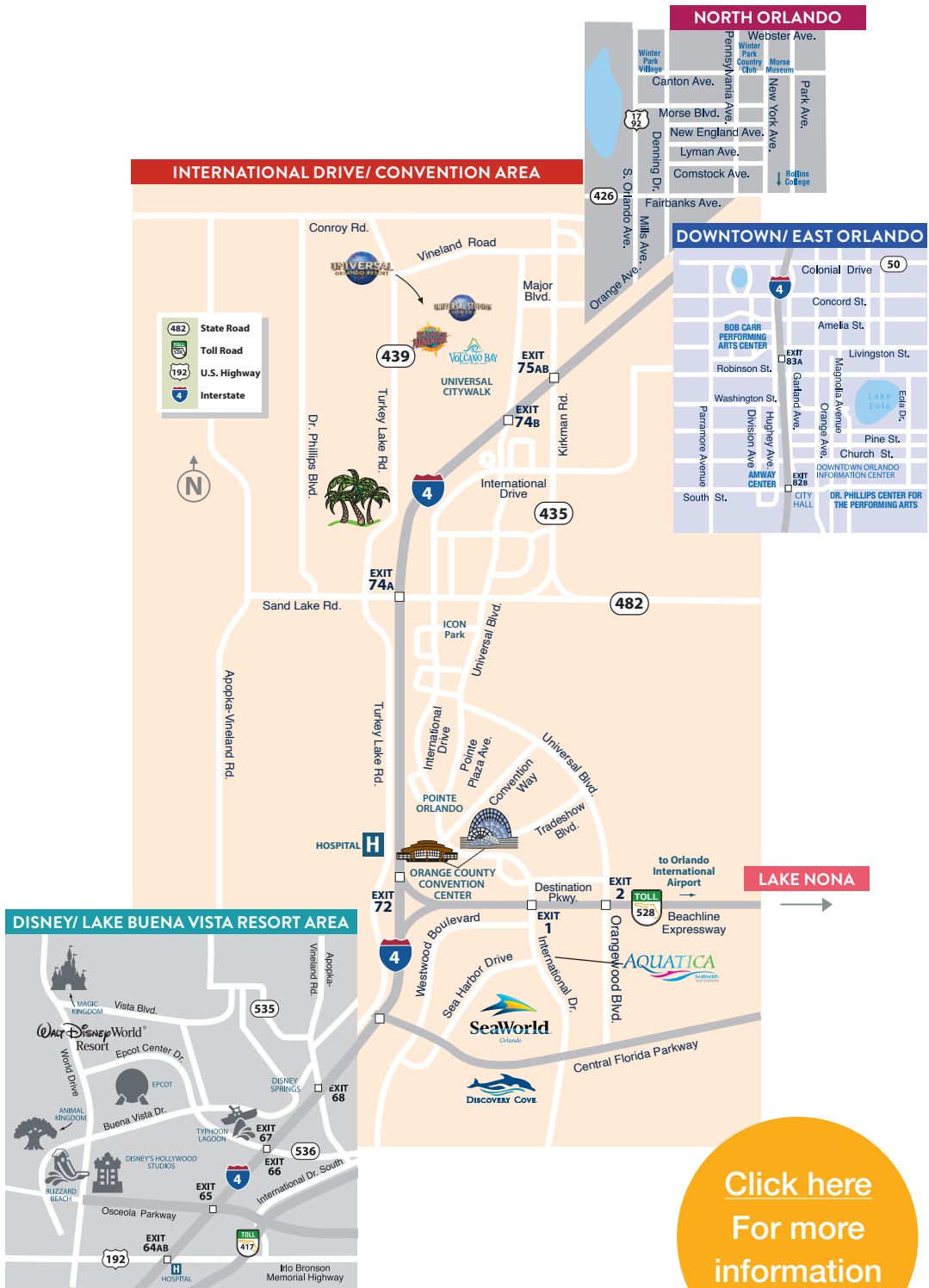
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**Vision:** A world with optimal musculoskeletal health for all children

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**May 14-16, 2025  
Las Vegas, NV**

**May 6-8, 2026  
Orlando, FL**

## **Future IPOS® Meetings**

**December 2-6, 2025  
Orlando, FL**

**December 1-5, 2026  
Orlando, FL**

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