



**NEW IN 2017!**

**One-Day Fundamentals  
in Pediatric Orthopaedics  
Review Course**

Prepare for your Pediatric  
MOC Recertification  
or Board Exam

# 14th Annual International Pediatric Orthopaedic Symposium

Presented by POSNA and AAOS

November 28 – December 2, 2017 • Orlando, Florida

Donald S. Bae, MD, Course Director

Michael G. Vitale, MD, MPH, Director Emeritus



**POSNA**  
PEDIATRIC ORTHOPAEDIC SOCIETY  
OF NORTH AMERICA

**AAOS**

AMERICAN ACADEMY OF  
ORTHOPAEDIC SURGEONS

## Schedule At a Glance

### Tuesday, November 28

Registration	3:00 PM–7:00 PM	Registration North
<b>Scholarship Recipient Case Presentations</b>	4:00 PM–5:15 PM	Pacifica Ballroom 7
<b>Career Planning and Professional Development for Residents and Fellows</b>	5:15 PM–6:30 PM	Pacifica Ballroom 7
<b>Pre-Course: Adolescent Idiopathic Scoliosis</b> <i>Sponsored by NuVasive (non-CME)</i>	7:00 PM–8:15 PM	Pacifica Ballroom 11-12
<b>Pre-Course: The Surgical Treatment of Hip Dysplasia</b> <i>Sponsored by OrthoPediatics (non-CME)</i>	7:00 PM–8:15 PM	Pacifica Ballroom 8-10
<b>Cocktail Reception</b> <i>Sponsored by NuVasive and OrthoPediatics</i>	8:15 PM–9:00 PM	Java Sea

### Wednesday, November 29

Registration	6:30 AM–6:00 PM	Registration North
Breakfast & Exhibits	6:45 AM–7:45 AM	Pacifica Ballroom 6
<b>GENERAL SESSION 1- Pediatric Trauma</b>	7:45 AM–10:15 AM	Pacifica Ballroom 7
Break & Exhibits	10:10 AM–10:30 AM	Pacifica Ballroom 6
CME Breakout 1: Ponseti I (hands-on)	10:30 AM–12:00 PM	Banda Sea
Principles of Deformity Correction- Part 1		Java Sea
Spine EOS		Pacifica Brm 8-9
Perthes		Pacifica Brm 10
New Ways to View Old Problems		Timor Sea
Sports and Ankle		Pacifica Brm 11
POPS: In the Know for the AAP: Pediatric Orthopaedic Roundtable		Coral Sea
Lunch & Exhibits	12:00 PM–1:00 PM	Pacifica Ballroom 6
<b>Concurrent Session 1- Spine: Adolescent Idiopathic Scoliosis</b>	1:00 PM–3:10 PM	Pacifica Ballroom 1-3
<b>Concurrent Session 2- Foot: Congenital and Acquired Conditions in the Child's Foot</b>	1:00 PM–3:10 PM	Pacifica Ballroom 7
Break & Exhibits	3:10 PM–3:30 PM	Pacifica Ballroom 6

### Wednesday, November 29, continued

Industry Spotlight Sessions	3:30 PM–4:40 PM	
<b>Stryker Spine</b>		Java Sea 1-2
<b>NuVasive Spine</b>		Pacifica Brm 11
<b>DePuy Synthes</b>		Timor Sea 1-2
<b>Clementia</b>		So. China Sea
<b>OrthoPediatics</b>		Coral Sea 1-2
Industry Spotlight Sessions	4:50 PM–6:00 PM	
<b>Stryker Trauma Foot &amp; Ankle</b>		Java Sea 1-2
<b>EOS Imaging</b>		Pacifica Brm 11
<b>DePuy Synthes</b>		Timor Sea 1-2
<b>OrthoPediatics</b>		Coral Sea 1-2
<b>Course Directors' Welcome Reception</b>	6:15 PM–7:15 PM	Pacifica Ballroom 6

### Thursday, November 30

Registration	6:30 AM–4:30 PM	Registration North
Breakfast & Exhibits	6:30 AM–7:30 AM	Pacifica Ballroom 6
Industry Spotlight Sessions	7:30 AM–8:40 AM	
<b>Globus Medical</b>		Pacifica Brm 8-9
<b>OrthoPediatics</b>		Coral Sea 1-2
<b>Arthrex</b>		Java Sea 1-2
<b>BioMarin</b>		Pacifica Brm 1-3
<b>DePuy Synthes</b>		Timor Sea 1-2
<b>Wright Medical</b>		So. China Sea
Break & Exhibits	8:40 AM–9:00 AM	Pacifica Ballroom 6
<b>GENERAL SESSION 2- Hip- DDH</b>	9:00 AM–11:30 AM	Pacifica Ballroom 7
Lunch & Exhibits	11:30 AM–12:30 PM	Pacifica Ballroom 6
Lunchtime Cases	11:45 AM–12:30 PM	Pacifica Ballroom 6
CME Breakout 2: Ponseti I (hands-on)	12:30 PM–2:00 PM	Banda Sea
Principles of Deformity Correction- Part 2		Java Sea
Tumors		Pacifica Brm 8-9
Pelvic Osteotomies I: Salter, Dega, Pemberton (hands on)		Coral Sea
Syndromic Patient		Pacifica Brm 10
POPS: The Limping Child		Pacifica Brm 12
Break & Exhibits	2:00 PM–2:20 PM	Pacifica Ballroom 6

Schedule At a Glance, continued

Thursday, November 30, continued

Concurrent Session 3- <b>Building Great Orthopaedic Teams</b>	2:20 PM–4:30 PM	Pacifica Ballroom 1-3
Concurrent Session 4- <b>Syndromes: Bad to the Bone</b>	2:20 PM–4:30 PM	Pacifica Ballroom 7
<b>Top Gun Surgical Simulation Competition</b> (by invitation only)	5:00 PM–7:30 PM	Pacifica Ballroom 7

Friday, December 1

Registration	6:30 AM–5:00 PM	Registration North
Breakfast & Exhibits	6:30 AM–7:30 AM	Pacifica Ballroom 6
Industry Spotlight Sessions <b>OrthoPediatrics</b>	7:30 AM–8:40 AM	Coral Sea 2
<b>Arthrex</b>		Java Sea 1-2
<b>NuVasive Precise</b>		Pacifica Brm 11
<b>Medtronic</b>		Pacifica Brm 12
<b>DePuy Synthes</b>		Timor Sea 1-2
<b>BioGen</b>		So. China Sea
Break & Exhibits	8:40 AM–9:00 AM	Pacifica Ballroom 6
Concurrent Session 5- <b>Sports</b>	9:00 AM–11:30 AM	Pacifica Ballroom 7
Concurrent Session 6- <b>Office Management (Non-OP)</b>	9:00 AM–11:30 AM	Pacifica Ballroom 1-3
Lunch & Exhibits	11:30 AM–12:30 AM	Pacifica Ballroom 6
Lunchtime Cases	11:45 AM–12:30 PM	Pacifica Ballroom 6
<b>GENERAL SESSION 3- Author's Preferred Techniques</b>	12:30 PM–3:00 PM	Pacifica Ballroom 7
Awards and Acknowledgments	3:00 PM–3:15 PM	Pacifica Ballroom 7
Break & Exhibits	3:15 PM–3:40 PM	Pacifica Ballroom 6
CME Breakout 3: Ponseti II	3:40 PM–5:00 PM	Banda Sea
Six Axis Deformity Correction- Fracture Correction- Part 1 (hands-on)		Java Sea
Orthopaedic Emergencies		Pacifica 7
Pelvic Osteotomies II		Coral Sea
CP Gait Analysis		Pacifica Brm 11
POPS: Idiopathic Scoliosis: Best Practices in Surgical Care		Pacifica Brm 12

Saturday, December 2

Registration	6:30 AM–2:30 PM	Registration North
Breakfast & Exhibits	6:30 AM–7:30 AM	Pacifica Ballroom 6
Concurrent Session 7- <b>CP: Surgery to Improve Ambulation</b>	7:30 AM–9:40 AM	Pacifica Ballroom 1-3
Concurrent Session 8- <b>Hand &amp; UE for the Pediatric Orthopaedist</b>	7:30 AM–9:40 AM	Pacifica Ballroom 7
<b>One-Day Fundamentals in Pediatric Orthopaedics Review Course</b>	8:00 AM–2:30 PM	Pacifica Ballroom 11-12
Break & Exhibits	9:40 AM–10:10 AM	Pacifica Ballroom 6
One-Day Fundamentals Review Course Break	9:50 AM–10:20 AM	Pacifica Ballroom 11-12
CME Breakout 4: Six Axis Deformity Correction: Fracture Correction - Part 2 (hands-on)	10:00 AM–11:30 AM	Java Sea
Pediatric Lower Extremity Trauma		Pacifica Ballroom 7
Hand-Brachial Plexus Birth Palsy		Timor Sea
Lunch	11:30 AM–12:30 PM	Pacifica Ballroom 6

Schedule Subject to Change

## 14th Annual International Pediatric Orthopaedic Symposium

Presented by



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PEDIATRIC ORTHOPAEDIC SOCIETY  
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**Donald S. Bae, MD**  
Director



**Michael G. Vitale, MD, MPH**  
Director Emeritus

### IPOS Vision

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.

### IPOS Mission

To provide the highest quality pediatric orthopaedic education to learners and practitioners of all levels.

Explore all areas of contemporary pediatric orthopaedics. Join hundreds of pediatric orthopaedic professionals from around the world to discover new insights and technology, and integrate best practices and expertise into your care of children and adolescents. From fundamental fracture treatments to advanced surgical techniques, engaging programming represents all subspecialty fields of pediatric orthopaedics.

Customize with more than 40 breakout selections

Be a part of the discussions, demonstrations, lectures, hands-on technical workshops, and industry-sponsored sessions that deliver solutions and meet your unique learning needs and interests.

### Learning Objectives

At the conclusion of this course, learners should be able to:

- Effectively assess children with musculoskeletal conditions requiring care
- Compare and contrast surgical and non-operative treatment options for common pediatric orthopaedic conditions
- Apply alternative treatment techniques for selected pediatric orthopaedic conditions
- Identify, manage, and prevent complications of common pediatric orthopaedic conditions and treatments
- Implement evidence-based strategies for infection control, fracture care, and management of sports-related injuries.

### FDA Statement (United States)

Some drugs or medical devices demonstrated at this IPOS Meeting may not have been cleared by the FDA or have been cleared by the FDA for specific purposes only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice. Academy policy provides that "off label" uses of a drug or medical device may be described in the Academy's CME activities so long as the "off label" use of the drug or medical device is also specifically disclosed (i.e., it must be disclosed that the FDA has not cleared the drug or device for the described purpose). Any drug or medical device is being used "off label" if the described use is not set forth on the product's approval label.

### Disclosure

Each faculty member in this meeting has been asked to disclose if he or she has received something of value from a commercial company or institution, which relates directly or indirectly to the subject of their presentation.

An indication of the participant's disclosure appears after his or her name as well as the commercial company or institution that provided the support. POSNA and the Academy do not view the existence of these disclosed interests or commitments as necessarily implying bias or decreasing the value of the author's participation in the meeting.

### Language

English will be the official language of the IPOS 2017 meeting.

### No Smoking Policy

Smoking is not permitted during any meeting or event.

### No Cameras or Video Cameras

Cameras or video cameras may not be used.

### No Reproductions

No reproductions of any kind including audio tapes and videotapes may be made of the presentations at this meeting without the prior written permission of POSNA. POSNA reserves all of its rights to such material and commercial reproduction is specifically prohibited.

### Photographs

Registration and attendance at, or participation in, POSNA activities constitutes an agreement by the registrant to allow POSNA to use and distribute (both now and in the future) the registrant's or attendee's image in POSNA member communications and promotional materials.

**General Meeting Information, continued**

**Insurance / Liabilities**

POSNA will not be held liable for personal injuries or for loss or damage to property incurred by participants or guests at the IPOS 2017 Meeting, including those participating in social events. Participants and guests are encouraged to take out insurance to cover losses incurred in the event of cancellation, medical expenses or damage to or loss of personal effects when traveling outside their own country.

POSNA cannot be held liable for any hindrance or disruption of the IPOS 2017 Meeting arising from natural, political, social or economic events or other unforeseen incidents beyond its control. Registration of a participant implies acceptance of this condition.

**Registration Hours**

Tuesday, November 28	3:00 PM – 7:00 PM
Wednesday, November 29	6:30 AM – 6:00 PM
Thursday, November 30	6:30 AM – 4:30 PM
Friday, December 1	6:30 AM – 5:00 PM
Saturday, December 2	6:30 AM – 2:30 PM

**Exhibit Hall Hours**

Wednesday, November 29	6:30 AM – 7:15 PM
Thursday, November 30	6:30 AM – 4:30 PM
Friday, December 1	6:30 AM – 5:00 PM
Saturday, December 2	6:30 AM – 12:30 PM

**Speaker Ready Room Hours**

Tuesday, November 28	3:00 PM – 7:00 PM
Wednesday, November 29	6:30 AM – 6:00 PM
Thursday, November 30	6:30 AM – 4:30 PM
Friday, December 1	6:30 AM – 5:00 PM
Saturday, December 2	6:30 AM – 2:30 PM

**Onsite Registration Available**

**NEW  
IN 2017!**

**Fundamentals in  
Pediatric Orthopaedics**

This one-day (Saturday) intensive review course prepares you for the 2018 Pediatric MOC Recertification Exam, the Board Examination, and is an all-around foundation builder in pediatric orthopaedics.

**Tuesday, November 28**

3:00 PM–7:00 PM	REGISTRATION
4:00 PM–5:15 PM	<b>Scholarship Recipient Case Presentations</b>
5:15 PM–6:30 PM	<b>Career and Professional Development for Residents and Fellows</b>
7:00 PM–8:15 PM	<b>CONCURRENT EVENTS</b> (Non-CME)
<b>Pre-Course Sponsored by NuVasive</b>	<b>Adolescent Idiopathic Scoliosis: Work-up, Pre-op Planning, and Tips for Success</b> Faculty: <i>Suken A. Shah MD</i> <i>Michael Glotzbecker MD</i>
<b>Pre-Course Sponsored by OrthoPediatrics</b>	<b>The Surgical Treatment of Hip Dysplasia in Older Children and Adolescents</b> Faculty: <i>Pablo Castañeda, MD</i> <i>Nicholas Fletcher, MD</i> <i>José Herrera Soto, MD</i> <i>Young Jo Kim, MD</i>
8:15 PM–9:15 PM	<b>Cocktail Reception</b> Sponsored by NuVasive and OrthoPediatrics

**Wednesday, November 29**

6:30 AM–6:00 PM	REGISTRATION
6:30 AM–7:45 AM	BREAKFAST and EXHIBITS
7:45 AM–10:10 AM	<b>GENERAL SESSION 1- Pediatric Trauma: What EVERY Provider Should Know in 2017</b> Moderator(s): <i>Donald S. Bae, MD,</i> <i>Jeffrey R. Sawyer, MD,</i> <i>John M. (Jack) Flynn, MD</i> eModerator(s): <i>Bryan J. Tompkins, MD</i>
7:45 AM	Introduction – <i>Donald S. Bae, MD</i>
7:50 AM	Supracondylar Humerus Fractures: Standard of Care in 2017 – <i>Todd A. Milbrandt, MD</i>
7:57 AM	The Challenging Supracondylar Humerus Fracture: Technical Pearls and Pitfalls – <i>David L. Skaggs, MD, MMM</i>
8:04 AM	Supracondylar Humerus Fracture: Malunions – <i>Steven L. Frick, MD</i>
8:11 AM	Supracondylar Humerus Fracture: Cases – <i>Donald S. Bae, MD</i>
8:31 AM	Polytrauma – <i>Jonathan G. Schoenecker, MD, PhD</i>
8:38 AM	Polytrauma: C Spine – <i>Laurel C. Blakemore, MD</i>
8:45 AM	Polytrauma: The Mangled Extremity – <i>Jeffrey R. Sawyer, MD</i>
8:52 AM	Polytrauma Cases – <i>Jeffrey R. Sawyer, MD</i>
9:12 AM	Femur Fractures: Standard of Care – <i>John M. (Jack) Flynn, MD</i>
9:19 AM	Femur Fractures: Antegrade Trochanteric Nailing, Where Are We in 2017? – <i>Kenneth J. Noonan, MD</i>
9:26 AM	Femur Fractures: Complications – <i>Christof Radler, MD</i>

Wednesday, November 29, continued

- 9:33 AM Femur Fractures: Cases  
– John M. (Jack) Flynn, MD
- 9:55 AM Directors' Welcome – Donald S. Bae, MD  
& Michael G. Vitale, MD, MPH

10:10 AM–10:30 AM BREAK and EXHIBITS

10:30 AM–12:00 PM CME BREAKOUT SESSIONS

**Ponseti I (Hands On)**

Chair: Kenneth J. Noonan, MD

Faculty: Jon R. Davids, MD  
Alain Dimeglio, MD  
Robert M. Kay, MD  
Vincent S. Mosca, MD  
Brandon Ramo, MD

**Principles of Deformity Correction – Part 1**

Chair: John E. Herzenberg, MD

Co-Chair: Christof Radler, MD

Faculty: Deborah Eastwood, FRCS  
James McCarthy, MD, MHCM Elizabeth Weber, MD

**Spine EOS**

- Moderator(s): Michael G. Vitale, MD, MPH
- 10:30 AM Introduction –  
Michael G. Vitale, MD, MPH
- MAGEC**
- 10:36 AM Case Presentation –  
Michael G. Vitale, MD, MPH
- 10:39 AM Technical Tips – Muharrem Yazici, MD, MBA
- 10:47 AM Rib Fixation – Ilkka Helenius, MD
- 10:56 AM Real Life Problems – A. Noelle Larson, MD
- 11:05 AM Case Resolution –  
Michael G. Vitale, MD, MPH
- Cervical Spine**
- 11:08 AM Case Presentation – Amer Samdani, MD
- 11:11 AM Syndromic Cervical Spine –  
Suken A. Shah, MD
- 11:20 AM Treatment Options – Peter O. Newton, MD
- 11:29 AM Case Resolution – Amer Samdani, MD
- Strategies for Large Curves in Little Kids**
- 11:32 AM Case Presentation and Options –  
Lindsay M. Andras, MD
- 11:35 AM Case-Based Discussion –  
Michael G. Vitale, MD, MPH  
Lawrence G. Lenke, MD  
David L. Skaggs, MD, MMM  
Nicholas Fletcher, MD

10:30 AM–12:00 PM CME BREAKOUT SESSIONS  
continued

**Perthes**

- Moderator(s): Jonathan H. Phillips, MD
- 10:30 AM Introduction – Jonathan H. Phillips, MD
- 10:35 AM Natural History – Stuart L. Weinstein, MD
- 10:44 AM Getting Containment Non-Operatively –  
Wudbhav N. Sankar, MD
- 10:51 AM Biological Treatments: What Does the  
Evidence Show?  
David G. Little, MD, MBBS, FRACS, PhD
- 10:57 AM Discussion
- 11:08 AM Pelvic Osteotomies – Thomas Wirth, MD
- 11:15 AM Femoral Osteotomies –  
Young-Jo Kim, MD, PhD
- 11:22 AM Salvage Procedures –  
Vineeta Swaroop, MD
- 11:29 AM Discussion
- 11:35 AM Cases – Jonathan H. Phillips, MD

**New Ways to View Old Problems–  
21st Century Imaging and Models**

- Faculty: Jonathan G. Schoenecker, MD  
Benjamin J. Shore, MD, MPH, FRCSC  
Bryan J. Tompkins, MD
- The Future Technology**
- 10:30 AM Imaging
- 10:38 AM 3D Modeling
- 10:44 AM Haptics/Simulators
- 10:50 AM Discussion
- Applications of Technology to the Hip**
- 10:57 AM CP
- 11:03 AM Perthes
- 11:09 AM SCFE
- 11:15 AM DDH
- 11:21 AM Discussion
- 11:28 AM **Hands-on Stations**  
Pathoanatomy, Surgical Approaches,  
Bone Model Demonstrations

Wednesday, November 29, continued

Sports and Ankle	
Moderator(s):	<i>Theodore J. Ganley, MD</i>
10:33 AM	Treatment of Talar OCD in Skeletally Immature – <i>William L. Hennrikus, Jr., MD</i>
10:41 AM	Peroneal Tendinopathy and Instability – <i>Mininder S. Kocher, MD, MPH</i>
10:49 AM	Tibiotalar Ankle Instability – <i>Michael T. Busch, MD</i>
10:57 AM	Os Trigonum – <i>Theodore J. Ganley, MD</i>
11:05 AM	3 Brief Cases – <i>Bryan J. Tompkins, MD</i>
<b>Cases and Techniques</b>	
Moderator(s):	<i>Kevin G. Shea, MD</i>
11:15 AM	Syndesmotom Injuries in Children: Screw vs. Tether/Suture Fixation – <i>Kevin G. Shea, MD</i>
11:22 AM	Tillaux and Triplane Fractures: Preferred Approaches – <i>Mark A. Erickson, MD</i>
11:29 AM	Jones Fractures in Adolescents: Preferred Approaches – <i>Todd A. Milbrandt, MD</i>
11:36 AM	Lisfrance and Lisfranc Equivalents in Teenagers: Preferred Approaches – <i>Jennifer M. Weiss, MD</i>
11:43 AM	Q&A, Discussion – <i>Michael T. Busch, MD</i>

POPS: In the Know for the AAP: Pediatric Orthopaedic Roundtable	
Moderator(s):	<i>Lindsey Locke, MSN, CPNP-PC</i> <i>Leslie Rhodes, DNP, PPCNP-BC</i>
Attendees choose to attend 2 of 3 group discussions	
#1: Orientation/Onboarding – <i>Gerard Montgomery, Chuck Wyatt</i>	
#2: Practice Development – (DNP, Membership in Professional Organizations) – <i>Leslie Rhodes, Rachel Difazio</i>	
#3: Clinical Practice – <i>Lindsey Locke, Carie Chan</i>	
10:30 AM	Introduction
10:35 AM	Session 1
11:20 AM	Session 2

12:00 PM–1:00 PM LUNCH and EXHIBITS

1:00 PM–3:10 PM

CONCURRENT SESSIONS

1:00 PM–3:10 PM

**CONCURRENT SESSION 1 – Spine: Adolescent Idiopathic Scoliosis**

Moderator(s): *Michael G. Vitale, MD, MPH, David L. Skaggs, MD, MMM, Mark A. Erickson, MD*  
eModerator(s): *Michael P. Glotzbecker, MD, Nicholas Fletcher, MD*

**Decision Making**

1:00 PM

#CureAIS: Best Practices in Conservative Scoliosis Care – *Michael G. Vitale, MD, MPH*

1:08 PM

Things I Do to Make My Spine Care Better In and Out of the OR – *Michael P. Glotzbecker, MD*

1:16 PM

Complex and Controversial Decisions in AIS and JIS – *Peter O. Newton, MD*

1:24 PM

Q&A – *Michael G. Vitale, MD, MPH*

**Execution**

1:31 PM

Key Steps in AIS Surgery – *David L. Skaggs, MD, MMM*

1:39 PM

How to Develop Kyphosis in the Hypokyphotic Spine – *Lawrence G. Lenke, MD*

1:47 PM

DVR- Principle for Success – *Ilkka Helenius, MD*

1:55 PM

Q&A – *David L. Skaggs, MD, MMM*

**Technical Bullet Tips and Tricks to Make You Better**

2:02 PM

Success and Failure of Anterior Vertebral Tethering – *Amer Samdani, MD*

2:10 PM

Unintended Reciprocal Effects After AIS Fusion – *Muharrem Yazici, MD, MBA*

2:18 PM

Tips to Optimize Post Op Care – *Nicholas Fletcher, MD*

2:25 PM

Q&A – *Mark A. Erickson, MD*

2:31 PM

Controversial Cases – *Michael G. Vitale, MD, MPH*

**Wednesday, November 29, continued**

- 1:00 PM–3:10 PM **CONCURRENT SESSION 2 – Foot: Congenital and Acquired Conditions in the Child's Foot**  
Moderator(s): *Vincent S. Mosca, MD*  
eModerator(s): *Brandon Ramo, MD*  
*Elizabeth Weber, MD*
- 1:00 PM Top 10 Things You Need to Know About the Biomechanics of the Child's Foot – *Vincent S. Mosca, MD*
- 1:11 PM Radiographic Assessment of Congenital Foot Deformities – *Vincent S. Mosca, MD*
- 1:21 PM Orthoses: What and When in 2017? – *Brian G. Smith, MD*
- 1:31 PM Q&A
- Cases**
- 1:36 PM Neglected Clubfoot – *Alain Dimeglio, MD*
- 1:51 PM CVT – *Elizabeth Weber, MD*
- 2:06 PM Painful Flat Foot – *Brandon Ramo, MD*
- 2:21 PM Accessory Navicular – *Lori A. Karol, MD*
- 2:36 PM Macrodactyly – *Vincent S. Mosca, MD*
- 2:51 PM Tarsal Coalitions – *Brian G. Smith, MD*
- 3:10 PM–3:30 PM **BREAK and EXHIBITS**
- 3:30 PM–4:40 PM **Industry Spotlight Sessions\*** (Non-CME)
- 4:50 PM–6:00 PM **Industry Spotlight Sessions\*** (Non-CME)  
\*See page 14 for details.
- 6:15 PM–7:15 PM **Course Directors' Welcome Reception**



**Thursday, November 30**

- 6:30 AM–4:30 PM **REGISTRATION**
- 6:30 AM–7:30 AM **BREAKFAST and EXHIBITS**
- 7:30 AM–8:40 AM **Industry Spotlight Sessions\*** (Non-CME)  
\*See page 14 for details.
- 8:40 AM–9:00 AM **BREAK and EXHIBITS**
- 9:00 AM–11:30 AM **GENERAL SESSION 2 – Hip: DDH**  
Moderator(s): *Deborah Eastwood, MB, ChB, FRCS*  
*Pablo Castañeda, MD*  
*Daniel J. Sucato, MD, MS*  
*Ernest L. Sink, MD*  
eModerator(s): *Wudbhav N. Sankar, MD*  
*Jose A. Herrera-Soto, MD*
- 9:00 AM Why Does This Happen?  
2017 Knowledge Updated –  
*Deborah Eastwood, MB, ChB, FRCS*
- 9:07 AM Ultrasound: What Does it Tell Us?  
How to Do it in the Office? –  
*Pablo Castañeda, MD*
- 9:14 AM Pavlik: Pearls From my Career –  
*Deborah Eastwood, MB, ChB, FRCS*
- 9:21 AM Bracing: Does it Work and Why? –  
*Jose A. Herrera-Soto, MD*
- 9:28 AM Discussion –  
*Deborah Eastwood, MB, ChB, FRCS*
- 9:37 AM Closed Reduction: Pearls and Pitfalls from  
my Career – *Dennis R. Wenger, MD*
- 9:44 AM Failed Closed Reduction: When Do We  
Perform Open Reduction –  
*Wudbhav N. Sankar, MD*
- 9:51 AM Open Reduction: Go Anterior, Here's Why  
and How – *Lori A. Karol, MD*
- 9:58 AM Open Reduction: Go Medical, Here's Why  
and How – *Stuart L. Weinstein, MD*
- 10:05 AM Discussion – *Pablo Castañeda, MD*
- 10:12 AM Cases and Complications –  
*Pablo Castañeda, MD*
- 10:31 AM Pelvic Osteotomy: Do a Salter –  
*Thomas Wirth, MD*
- 10:38 AM Pelvic Osteotomy: Do a Dega –  
*Dennis R. Wenger, MD*
- 10:45 AM Technical Tips for Femoral Osteotomies –  
*Daniel J. Sucato, MD, MS*
- 10:51 AM Discussion – *Daniel J. Sucato, MD, MS*
- 11:00 AM DDH in the Adolescent & Young Adult:  
Presentation and Imaging –  
*Ernest L. Sink, MD*



Thursday, November 30, continued

- 11:07 AM PAO: Pearls and Pitfalls –  
*Young-Jo Kim, MD, PhD*
- 11:13 AM Discussion – *Ernest L. Sink, MD*
- 11:19 AM Cases and Complications –  
*Ernest L. Sink, MD*

11:30 AM–12:30 PM LUNCH and EXHIBITS

11:45 AM–12:30 PM **Lunchtime Cases**

12:30 PM–2:00 PM **CME BREAKOUT SESSIONS**

**Ponseti I (Hands On)**

- Chair: *Kenneth J. Noonan, MD*
- Faculty: *Alain Dimeglio, MD*  
*Robert M. Kay, MD*  
*Vincent S. Mosca, MD*  
*Brandon Ramo, MD*  
*Stuart L. Weinstein, MD*

**Principles of Deformity Correction – Part 2**

- Chair: *John E. Herzenberg, MD*
- Co-Chair: *Christof Radler, MD*
- Faculty: *Deborah Eastwood, FRCS*  
*James McCarthy, MD, MHCM*  
*Elizabeth Weber, MD*

**Tumors**

- Moderator(s): *Alexandre Arkader, MD*
- 12:30 PM Evaluation: The Red Flags –  
*Michelle S. Caird, MD*
- 12:39 PM Radiographic Diagnosis: Name That Tumor  
– *Alexandre Arkader, MD*
- 12:48 PM Biopsies Gone Bad: Lessons from  
St. Elsewhere – *Vernon T. Tolo, MD*
- 12:57 PM Cases and Discussion – *Vernon T. Tolo, MD*
- 1:13 PM Osteochondromas: Indications and  
Techniques of Surgery – *Vineeta Swaroop, MD*
- 1:22 PM Cysts: Assessing Fracture Risk,  
Do Injections Really Work, Definitive  
Treatment – *Michelle S. Caird, MD*
- 1:31 PM Fibrous Dysplasia: Principles of Care –  
*Vernon T. Tolo, MD*
- 1:40 PM Malignant Bone Tumors: Limb Salvage  
in 2017 – *Alexandre Arkader, MD*
- 1:49 PM Cases and Discussion –  
*Alexandre Arkader, MD*

12:30 PM–2:00 PM **CME BREAKOUT SESSIONS  
continued**

**Pelvic Osteotomies I: Salter, Dega, Pemberton  
(Hands On)**

- Chair: *Ernest L. Sink, MD*
- Faculty: *Pablo Castañeda, MD*  
*Nicholas Fletcher, MD*  
*Jose A. Herrera-Soto, MD*  
*Young-Jo Kim, MD, PhD*  
*Wudbhav N. Sankar, MD*  
*Ernest L. Sink, MD*  
*Thomas Wirth, MD*

**Syndromic Patient**

- Moderator(s): *William G. Mackenzie, MD*
- 12:30 PM MHE – *Jon R. Davids, MD*
- 12:40 PM Ollier's – *Dror Paley, MD, FRCS*
- 12:50 PM Cases (1 MHE, 1 Ollier's) –  
*William G. Mackenzie, MD*
- 1:15 PM NF – *Paul D. Sponseller, MD*
- 1:25 PM KTW/Hemihypertrophy –  
*David G. Little, MD, MBBS, FRACS, PhD*
- 1:35 PM Cases (1 NF, 1 Hypertrophy) –  
*Paul D. Sponseller, MD*

**POPS: The Limping Child**

- Moderator(s): *Kim Ingraham, PA-C*
- 12:30 PM Clinical Evaluation –  
*Kim Ingraham, PA-C*
- 12:39 PM Radiographic Evaluation – *Leslie Rhodes*
- 12:48 PM Diagnostic Testing –  
*Richard M. Schwend, MD*
- 12:57 PM Osteomyelitis – *G. Ying Li, MD*
- 1:05 PM Discussion – *G. Ying Li, MD*
- 1:21 PM SCFE/Perthes – *Mark A. Erickson, MD*
- 1:29 PM Stress Fractures – *Lindsey Locke*
- 1:39 PM Office Care for Common Fractures –  
*Gerard Montgomery*
- 1:48 PM NAT – *Jennifer Nance*
- 1:57 PM Q&A

2:00 PM–2:20 PM **BREAK and EXHIBITS**



"This is one of the most well-run well-organized educational meetings with such a depth and breadth of topics in pediatric orthopedics. I always learn more and improve my practice after attending."

—2016 IPOS Attendee

## Thursday, November 30, continued

### 2:20 PM–4:30 PM CONCURRENT SESSIONS

- 2:20 PM–4:30 PM **CONCURRENT SESSION 3 – Building Great Orthopaedic Teams**  
 Moderator(s): *Steven L. Frick, MD, Jeffrey R. Sawyer, MD, Peter M. Waters, MD*  
 eModerator(s): *David L. Skaggs, MD, MMM, Kevin G. Shea, MD*
- 2:20 PM Introduction – *Donald S. Bae, MD*
- Building Teams**
- 2:26 PM How Orthopaedic Teams Are Different in 2017 – *David L. Skaggs, MD, MMM*
- 2:35 PM Creating a Team for International Work – *Michelle James, MD*
- 2:44 PM Virtual Teams – *Bryan J. Tompkins, MD*
- 2:53 PM Assembling Your Team: Roundtable Discussion – *Steven L. Frick, MD*
- Tools for Team Success**
- 3:14 PM Using CUSP to Build Teams and Drive Performance – *Michael G. Vitale, MD, MPH*
- 3:23 PM Tools for Effective Team Performance – *Kevin G. Shea, MD*
- 3:32 PM Mentoring Within Teams: Roundtable Discussion – *Jeffrey R. Sawyer, MD*
- Teams in Action**
- 3:51 PM The Best Teams Have APPs! – *Jill Ariagno, MSN, RN*
- 4:00 PM Best Practices: Multidisciplinary Clinics – *Unni G. Narayanan, MBBS, MsC, FRCSC*
- 4:10 PM Best Practices: Urgent Trauma Care – *Peter M. Waters, MD*
- 4:20 PM Discussion – *Peter M. Waters, MD*

### 2:20 PM–4:30 PM CONCURRENT SESSIONS continued

- 2:20 PM–4:30 PM **CONCURRENT SESSION 4 – Syndromes: Bad to the Bone: Challenges in Treating Skeletal Dysplasias and Genetic Syndromes**  
 Moderator(s): *William G. Mackenzie, MD, John E. Herzenberg, MD*  
 eModerator(s): *G. Ying Li, MD, Vineeta Swaroop, MD*
- OI**
- 2:20 PM Genetics and Classification in 2017 – *William G. Mackenzie, MD*
- 2:28 PM Medical Therapy for OI – *Michelle S. Caird, MD*
- 2:36 PM Maintaining Growth and Avoiding Fractures in the LE – *David G. Little, MD, MBBS, FRACS, PhD*
- 2:44 PM OI Spine – *Suken A. Shah, MD*
- 2:52 PM UE Care: Recurrent Humerus Fractures and Forearm Deformity-My Approach – *Michelle James, MD*
- 3:00 PM Q&A
- 3:05 PM Cases: Challenging Fractures/Deformity – *William G. Mackenzie, MD*
- Achondroplasia**
- 3:30 PM Achondroplasia in 2017 – *Paul D. Sponseller, MD*
- 3:37 PM Principles of Deformity Correction – *Dror Paley, MD, FRCSC*
- 3:44 PM Deformity Correction: My Preferred Approach – *Christof Radler, MD*
- 3:51 PM Spinal Stenosis – *G. Ying Li, MD*
- 3:58 PM Kyphosis Correction – *Laurel C. Blakemore, MD*
- 4:04 PM Cases & Discussion – *John E. Herzenberg, MD*

### 5:00 PM–7:30 PM **Top Gun: Surgical Simulation Competition** (By Invitation Only)

Friday, December 1

- 6:30 AM–5:00 PM REGISTRATION
- 6:30 AM–7:30 AM BREAKFAST and EXHIBITS
- 7:30 AM–8:40 AM **Industry Spotlight Sessions\*** (Non-CME)  
\*See page 14 for details.
- 8:40 AM–9:00 AM BREAK and EXHIBITS
- 9:00 AM–11:30 AM **CONCURRENT SESSIONS**

- 9:00 AM–11:30 AM **CONCURRENT SESSION 5 – Sports: Patellofemoral Instability and Knee OCD**  
Moderator(s): *Theodore J. Ganley, MD, Kevin G. Shea, MD, Mininder S. Kocher, MD, MPH*  
eModerator(s): *Michael T. Busch, MD, Jennifer M. Weiss, MD*
- Should We Operate Right Away?**
- 9:00 AM Shoulder Instability – *Jennifer M. Weiss, MD*
- 9:09 AM UCL Tear – *Mininder S. Kocher, MD, MPH*
- 9:18 AM Medial Epicondyle Fracture – *Theodore J. Ganley, MD*
- 9:27 AM Capitellar OCD – *Donald S. Bae, MD*
- 9:36 AM Discussion – *Theodore J. Ganley, MD*
- Patellar Instability**
- 9:50 AM 1st Time Patellar Dislocation: Best Practice in 2017? – *Amy L. McIntosh, MD*
- 9:57 AM Soft Tissue Reconstructions for Recurrent Instability: What I Do and Why – *William L. Hennrikus, Jr., MD*
- 10:04 AM Osteotomies for PF Malalignment: What I Do and Why – *Todd A. Milbrandt, MD*
- 10:11 AM Cases – *Michael T. Busch, MD*
- 10:30 AM Q&A
- Knee OCD**
- 10:36 AM Knee OCD: Imaging and Classification – *Jennifer M. Weiss, MD*
- 10:41 AM Non-op Treatment for OCD: For Whom and How (Case Presentation) – *Michael T. Busch, MD*
- 10:47 AM How I Do It: Drilling – *Mininder S. Kocher, MD, MPH*
- 10:53 AM How I Do It: Fixation – *Kevin G. Shea, MD*
- 10:59 AM Osteochondral Allograft/ACI – *Theodore J. Ganley, MD*

- 9:00 AM–11:30 AM **CONCURRENT SESSION 5 – Sports: Patellofemoral Instability and Knee OCD, continued**
- 11:05 AM What Does the Future Hold? Bone, Cartilage, and Biologics – *Jonathan G. Schoenecker, MD, PhD*
- 11:11 AM Cases and Q&A  
*Mininder S. Kocher, MD, MPH*

- 9:00 AM–11:30 AM **CONCURRENT SESSION 6 – Office Management (Non OP)**  
Moderator(s): *Michelle S. Caird, MD, Brian G. Smith, MD*  
eModerator(s): *Mark A. Erickson, MD, Lindsay M. Andras, MD*
- 9:00 AM Introduction – *Michelle S. Caird, MD*
- 9:05 AM Clubfoot: Ponseti Casting Pearls and Pitfalls – *Stuart L. Weinstein, MD*
- 9:13 AM Clubfoot: How to Do the Office Heelcord Tenotomy – *Brandon Ramo, MD*
- 9:21 AM Clubfoot: Creating Great Teams to Run an Efficient Clubfoot Clinic – *Kim Ingraham, PA-C*
- 9:28 AM Discussion
- 9:39 AM Intoeing: The Efficient 5 Minutes Examination – *Wudbhav N. Sankar, MD*
- 9:48 AM Intoeing: Radiographic Evaluation: What to Order and Why – *Michelle S. Caird, MD*
- 9:57 AM Intoeing: Using POSNA.org to Educate Families – *Bryan J. Tompkins, MD*
- 10:05 AM Discussion
- 10:16 AM DRF: Evidence-Based Care in 2017 – *Lindsay M. Andras, MD*
- 10:25 AM DRF: Maximizing Value Through CPGs, SCAMPS, and TDABC – *Peter M. Waters, MD*
- 10:34 AM DRF: Utilizing the EMR to Maximize Efficiency – *John M. (Jack) Flynn, MD*
- 10:42 AM Discussion
- 10:53 AM Scoliosis: Best Practices in Screening, Diagnosis and Follow-up – *Michael P. Glotzbecker, MD*
- 11:02 AM Scoliosis: How to Maximize Bracing Compliance – *Lori A. Karol, MD*
- 11:11 AM Scoliosis: Monitoring Progression with Minimal Radiation – *Richard M. Schwend, MD*
- 11:20 AM Discussion

- 11:30 AM–12:30 PM LUNCH and EXHIBITS

**Friday, December 1, continued**

11:45 AM–12:30 PM **Lunchtime Cases**

12:30 PM–3:00 PM	<b>GENERAL SESSION 3 – Author's Preferred Techniques</b> Moderator(s): <i>Dennis R. Wenger, MD</i> eModerator(s): <i>A. Noelle Larson, MD</i>
12:30 PM	Introduction – <i>Dennis R. Wenger, MD</i>
12:33 PM	Physcal Sparing ACL – <i>Mininder S. Kocher, MD, MPH</i>
12:39 PM	Discoid Meniscus – <i>Theodore J. Ganley, MD</i>
12:45 PM	Ulnar Shortening + TFCC – <i>Donald S. Bae, MD</i>
12:51 PM	Discussion
12:57 PM	Posterior Tib Transfer for CP – <i>Jon R. Davids, MD</i>
1:03 PM	Heel Cord Tenotomy for Clubfoot – <i>Vincent S. Mosca, MD</i>
1:09 PM	Tricepsplasty for Arthrogyrosis – <i>Michelle James, MD</i>
1:15 PM	Discussion
1:21 PM	Walking Spica – <i>John M. (Jack) Flynn, MD</i>
1:27 PM	ORIF Triplane Fracture – <i>Jeffrey R. Sawyer, MD</i>
1:33 PM	ORIF Lateral Condle – <i>Kenneth J. Noonan, MD</i>
1:39 PM	Discussion
1:45 PM	Anterior Hip OR – <i>Daniel J. Sucato, MD, MS</i>
1:51 PM	Shelf – <i>Young-Jo Kim, MD</i>
1:57 PM	Reduction for Severe Acute SCFE – <i>Jonathan G. Schoenecker, MD, PhD</i>
2:03 PM	Discussion
2:09 PM	Mehta Cast – <i>A. Noelle Larson, MD</i>
2:15 PM	C1-C2 for AARI – <i>Suken A. Shah, MD</i>
2:21 PM	Primary Multilevel Wound Closure – <i>Michael G. Vitale, MD, MPH</i>
2:27 PM	Discussion
2:33 PM	Pathologic Fracture of Proximal Femur – <i>Alexandre Arkader, MD</i>
2:39 PM	Oberlin – <i>Peter M. Waters, MD</i>
2:45 PM	Tibial Pseudarthrosis – <i>John E. Herzenberg, MD</i>
2:51 PM	Discussion

3:00 PM–3:15 PM **Awards and Acknowledgments**

3:15 PM–3:40 PM **BREAK and EXHIBITS**

3:40 PM–5:00 PM **CME BREAKOUT SESSIONS**

**Ponseti II**

Chair: *Kenneth J. Noonan, MD*  
Faculty: *Alain Dimeglio, MD*  
*Vincent S. Mosca, MD*  
*Brandon Ramo, MD*  
*Stuart L. Weinstein, MD*

In this session, attendees will be exposed to the entire spectrum of clubfoot management. Through case based material; we will review problems encountered with Ponseti method; surgical management of neglected club feet and management of clubfoot recurrences from birth to maturity.

**Six Axis Deformity Correction-Fracture Correction (Hands On)**

Chair: *John E. Herzenberg, MD*  
Co-Chair: *Christof Radler, MD*  
Faculty: *Deborah Eastwood, FRCS*  
*James McCarthy, MD, MHCM*  
*Elizabeth Weber, MD*

**Orthopaedic Emergencies\***

\*Available as webcast

Moderator(s): *Pablo Castañeda, MD*

3:40 PM Introduction – *Pablo Castañeda, MD*  
3:46 PM Compartment Syndrome –  
*Jeffrey R. Sawyer, MD*  
3:55 PM Open Fractures – *Brian G. Smith, MD*  
4:04 PM Infection – *Jonathan G. Schoenecker, MD*  
4:13 PM Discussion & ASE Presentation –  
*Pablo Castañeda, MD*  
4:31 PM Pulseless SCH – *John M. (Jack) Flynn, MD*  
4:40 PM Spinal Fracture with Neurologic Injury –  
*Michael P. Glotzbecker, MD*  
4:49 PM Discussion –  
*Pablo Castañeda, MD*

**Pelvic Osteotomies II: Triple, PAO (Hands On)**

Chair: *Daniel J. Sucato, MD, MS*  
Faculty: *Nicholas Fletcher, MD*  
*Jose A. Herrera-Soto, MD*  
*Young-Jo Kim, MD, PhD*  
*Ernest L. Sink, MD*  
*Wudbhav N. Sankar, MD*  
*Thomas Wirth, MD*

Friday, December 1, continued

3:40 PM–5:00 PM **CME BREAKOUT SESSIONS**  
continued

**CP Gait Analysis**

Moderator(s): *Jon R. Davids, MD*  
*Benjamin J. Shore, MD, MPH, FRCSC*

3:40 PM	Qualitative Assessment of Normal Gait – <i>Robert M. Kay, MD</i>
4:01 PM	I Don't Have a Gait Lab! Technique of Observational Gait Analysis – <i>Jon R. Davids, MD</i>
4:11 PM	Introduction to Quantitative Gait Analysis – <i>Benjamin J. Shore, MD, MPH, FRCSC</i>
4:26 PM	Gait Disruption in Children with CP – <i>Unni G. Narayanan, MBBS, MsC, FRCSC</i>
4:36 PM	Cases: Common Gait Patterns in CP – <i>Robert M. Kay, MD</i>
4:50 PM	Questions/Discussion

**POPS: Idiopathic Scoliosis: Best Practices in  
Surgical Care of Patients Undergoing Spine  
Instrumentation and Fusion**

Moderator(s): *Jill Ariagno, MSN, RN*

Preparing the Patient and Family for Surgery – <i>Amber Sentell</i>
Intra-operative Care – <i>Carrie Chan</i>
Post-op Care – <i>Wendy Moon</i>
Pain Management – <i>Jill Ariagno, MSN, RN</i>
Case Study: One Institution's Success at Rapid Recovery Protocol for AIS – <i>Sharon Farrell</i>
Panel Discussion/Wrap Up

Saturday, December 2

6:30 AM–2:30 PM	REGISTRATION
6:30 AM–7:30 AM	BREAKFAST and EXHIBITS
7:30 AM–9:40 AM	CONCURRENT SESSIONS
8:00 AM–2:30 PM	ONE- DAY FUNDAMENTALS IN PEDIATRIC ORTHOPAEDICS REVIEW COURSE

7:30 AM–9:40 AM

**CONCURRENT SESSION 7 – CP:  
Surgery to Improve Ambulation**

Moderator(s): *Unni G. Narayanan, MBBS,  
MsC, FRCSC,*  
*James J. McCarthy, MD, MHCM*  
eModerator(s): *Elizabeth Weber, MD*

7:30 AM	SEMLS: Principles and Best Practices – <i>Elizabeth Weber, MD</i>
7:46 AM	Surgery for Transverse Plane Deviations: Where's the Intoeing Coming From? – <i>Robert M. Kay, MD</i>
8:02 AM	Surgery for Sagittal Plane Deviations: Where's the Knee Flexion Coming From? – <i>Unni G. Narayanan, MBBS, MsC, FRCSC</i>
8:18 AM	Discussion & Cases – <i>Unni G. Narayanan, MBBS, MsC, FRCSC</i>
8:37 AM	Surgery for Sagittal Plane Deviations: Where is the Equinus Coming From? – <i>Benjamin J. Shore, MD, MPH, FRCSC</i>
8:53 AM	Surgery for Foot Deviations: Why is the Foot Turning in and What Should I Do About It? – <i>Jon R. Davids, MD</i>
9:09 AM	Surgery for Foot Deviations: The Foot is Flat and Turns Out, What Should I Do About It? – <i>James J. McCarthy, MD, MHCM</i>
9:25 AM	Questions & Discussion – <i>James J. McCarthy, MD, MHCM</i>

7:30 AM–9:40 AM

**CONCURRENT SESSION 8 –  
Hand & UE for the Pediatric  
Orthopaedist**

**Hand and UE Trauma for the On-Call  
Physician: Case-Based Discussion**

7:30 AM	Introduction – <i>Donald S. Bae, MD</i>
7:35 AM	Case Discussion – <i>Donald S. Bae, MD</i>
8:15 AM	Q&A
	<b>Congenital UE Conditions for the Pediatric Orthopaedist</b>
	<b>Sprengel's: Indications &amp; Surgical Options</b>
8:20 AM	Case Presentation – <i>Donald S. Bae, MD</i>
8:30 AM	What I Do and Why I Do It – <i>Peter M. Waters, MD</i>
8:35 AM	Discussion
	<b>RUS: What Is It and Who Needs Surgery</b>
8:40 AM	Case Presentation – <i>Donald S. Bae, MD</i>
8:50 AM	What I Do and Why I Do It – <i>Michelle James, MD</i>
8:55 AM	Discussion

Saturday, December 2, continued

	<b>Radial Head</b>
9:00 AM	Case Presentation – <i>Donald S. Bae, MD</i>
9:10 AM	What I Do and Why I Do It – <i>Peter M. Waters, MD</i>
9:15 AM	Discussion
	<b>Madelung's</b>
9:20 AM	Case Presentation – <i>Donald S. Bae, MD</i>
9:30 AM	What I Do and Why I Do It – <i>Michelle James, MD</i>
9:35 AM	Discussion

9:40 AM–10:00 AM BREAK and EXHIBITS

10:00 AM–11:30 AM CME BREAKOUT SESSIONS

**Six Axis Deformity Correction-Blount (Hands On)**

Chair: *John E. Herzenberg, MD*

Co-Chair: *Christof Radler, MD*

Faculty: *Deborah Eastwood, FRCS*

*James McCarthy, MD, MHCM Elizabeth Weber, MD*

**Pediatric Lower Extremity Trauma\*** \*Available as webcast

Moderator(s): *Steven L. Frick, MD*

10:00 AM Introduction – *Steven L. Frick, MD*

10:05 AM Femoral Neck Fratures –  
*Jonathan H. Phillips, MD*

10:13 AM Femoral Shaft Fractures –  
*Michael P. Glotzbecker, MD*

10:21 AM Tibial Fractures – *Mark A. Erickson, MD*

10:29 AM Discussion & Case Presentation of Distal  
Femur Physeal FX – *Steven L. Frick, MD*

10:50 AM Transitional Ankle Fractures –  
*Lindsay M. Andras, MD*

10:58 AM Growth Arrest – *Amy L. McIntosh, MD*

11:06 AM Complex Foot Injuries –  
*William L. Hennrikus, Jr., MD*

11:14 AM Discussion – *William L. Hennrikus, Jr., MD*

**Hand: Brachial Plexus Birth Palsy:  
Case-Based Discussion**

Moderator(s): *Donald S. Bae, MD*

Faculty: *Michelle James, MD*  
*Peter M. Waters, MD*

Case #1: The Infant with a Flail Limb

Case #2: The Toddler with Limited Shoulder Abduction

Case #3: The Adolescent with Internal Rotation Contracture

11:30 AM–12:30 PM LUNCH and EXHIBITS

8:00 AM–2:30 PM **One-Day Fundamentals in  
Pediatric Orthopaedics  
Review Course**

8:00 AM	Introduction – Moderator: <i>Henry G. Chambers, MD</i> eModerator: <i>Jeffrey R. Sawyer, MD</i>
8:10 AM	How to Review for and Take the MOC Test – <i>Henry G. Chambers, MD</i>
8:20 AM	LE Deformity – <i>James J. McCarthy, MD, MHCM</i>
8:45 AM	Hip – Non Trauma – <i>Wudbhav N. Sankar, MD</i>
9:10 AM	Neuromuscular – <i>Henry G. Chambers, MD</i>
9:35 AM	Tumor – <i>Alexandre Arkader, MD</i>
9:50 AM–10:10 AM	BREAK and EXHIBITS
10:15 AM	Sports – <i>Jennifer M. Weiss, MD</i>
10:40 AM	LE Fractures – <i>Jeffrey R. Sawyer, MD</i>
11:05 AM	Spine – <i>A. Noelle Larson, MD</i>
11:30 AM	Lunch
12:10 PM	UE Fracture – <i>Henry G. Chambers, MD</i>
12:40 PM	UE Congenital – <i>Donald S. Bae, MD</i>
1:00 PM	Foot – <i>Henry G. Chambers, MD</i>
1:20 PM	Genetics/Endocrine – <i>Michelle S. Caird, MD</i>
1:45 PM	Infection – <i>Henry G. Chambers, MD</i>
2:05 PM	High Yield Images – <i>Jeffrey R. Sawyer, MD</i>
2:25 PM	Wrap Up – <i>Henry G. Chambers, MD</i>

Schedule Subject to Change



Industry Spotlight Sessions (Non-CME)

Wednesday, November 29

3:30 PM–4:40 PM Industry Spotlight Session #1

CLEMENTIA (Non-CME)

Novel Approaches for Multiple Osteochondromas  
aka MHE

*Dror Paley, MD; Kevin Jones, MD;  
Y. Yamaguchi, M; F. Shih, MD*

DEPUY SYNTHES

Pitfalls and Pearls for Proximal Femoral Osteotomies

*James McCarthy, MD; Martin Herman, MD; Ernest Sink, MD*

NUVASIVE SPINE

How to Use Magnetic Technologies (MAGEC) to Improve  
Post-Operative EOS Care

*Amer Samdani, MD; Jeffrey Sawyer, MD; Daniel Sucato, MD*

STRYKER SPINE

Advanced Deformity Techniques

*Suken A. Shah, MD; Brian G. Smith, MD*

ORTHOPEDIATRICS

The Derotation Debate in Pediatric Scoliosis Correction

*Scott J. Luhmann, MD*

4:50 PM–6:00 PM Industry Spotlight Session #2

DEPUY SYNTHES (Non-CME)

Maximizing Post-Traumatic Deformity Planning in  
Pediatric Patients: Advances in Computer Assisted  
Circular Fixation

*Matt Harris, MD*

EOS IMAGING

Seeing the Spine in 3D: Current Concepts for AIS

*Suken Shah, MD; Stefan Parent, MD; Noelle Larson, MD*

STRYKER TRAUMA Foot & Ankle

Workshop Highlighting the HLRP Hexapod Software

*Amy L. McIntosh, MD; Brian G. Smith, MD*

ORTHOPEDIATRICS

What We've Learned about Surgical Treatment of PFFD –  
The Why, the When and Now What?

*Shawn Standard, MD*

Thursday, November 30

7:30 AM–8:40 AM Industry Spotlight Session #3

BIOMARIN (Non-CME)

Achondroplasia: Abnormal Development of the Spine  
and Management of the Clinical Sequelae

*William G. Mackenzie, MD;  
Guirish Solanki, MBBS, FRCSI, FRCS (SN)*

Thursday, November 30, continued

7:30 AM–8:40 AM Industry Spotlight Session #3, cont'd

WRIGHT MEDICAL (Non-CME)

Addressing Challenging Benign Bone Tumors and Cysts  
in the Pediatric Population

*Michelle Ghert, MD*

DEPUY SYNTHES SPINE

Neuromuscular Scoliosis: Principles of Management and  
Complication Prevention

*Suken Shah, MD; Jack Flynn, MD; Paul Sponseller, MD*

ARTHREX

Title TBD / Faculty TBD

GLOBUS MEDICAL

Title TBD / Dominick A. Tuason, MD

ORTHOPEDIATRICS

"I Can't Sit And I Walk In Circles!": Derotational  
Osteotomies To Improve Flexion, Foot Progression  
Angle and Decrease Impingement After SCFE

*Jonathan Schoenecker, MD; Nicholas Fletcher, MD*

Friday, December 1

7:30 AM–8:40 AM Industry Spotlight Session #4

BIOPEN (Non-CME)

Orthopaedic Management of SMA in the Era of  
Disease-Modifying Treatments

*Brian Snyder, MD; Paul Sponseller, MD; Patrick Cahill, MD*

DEPUY SYNTHES SPINE

Treatment of AIS: Beyond the Basics

*Suken Shah, MD; Amer Samdani, MD; Michael Glotzbecker, MD*

ARTHREX

Title TBD / Faculty TBD

NUVASIVE PRECISE

The New Limb Lengthening and Reconstruction Paradigm

*Christopher Iobst, MD; John Herzenberg, MD;  
Shawn Standard, MD*

ORTHOPEDIATRICS

An Alternative to Intraoperative Navigation:  
3D Printed Patient Specific Drill Guides in Complex  
Spinal Reconstruction Surgery

*George Fry, MD*

MEDTRONIC

Alternative Techniques for Three-Dimensional Correction  
in the presence of Atypical Anatomy

*Rich Schwend, MD; Gertude Yingyu Li, MD*

### Accreditation Statement

These activities have been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Pediatric Orthopaedic Society of North America. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

### AMA Credit Designation Statements

The American Academy of Orthopaedic Surgeons designates the live activity of the **Full IPOS Course** for a maximum of **23 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Those attending only the **One-Day Fundamentals in Pediatric Orthopaedics MOC Review Course**, the American Academy of Orthopaedic Surgeons designates this live activity for a maximum of **5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



## Thank You

The Pediatric Orthopaedic Society of North America and the American Academy of Orthopaedic Surgeons gratefully acknowledges the following for their generous support of the 2017 IPOS Meeting:

### Platinum Level

DePuy Synthes  
OrthoPediatrics

### Gold Level

Medtronic  
NuVasive  
Shiners Hospitals

### Silver Level

Arthrex  
K2M  
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### Bronze Level

BioMarin Pharmaceuticals  
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EOS Imaging  
Globus Medical  
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**Lanyards** – Sponsored by Pega Medical

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SAVE THE DATE

15th Annual International  
Pediatric Orthopaedic Symposium

Nov. 27 - Dec. 2, 2018

Orlando, Florida





### POSNA Antitrust Policy

Discussions at POSNA meetings often cover a broad range of topics pertinent to the interests or concerns of orthopaedic surgeons. As a general rule, except as noted below, discussions at POSNA meetings can address topics without raising antitrust concerns if the discussions are kept scrupulously free of even the suggestion of private regulation of the profession. However, a number of topics that might be (and have been) discussed at POSNA meetings may raise significant complex antitrust concerns. These include:

- Membership admissions, rejections, restrictions, and terminations;
- Method of provision and sale of POSNA products and services to non-members;
- Restrictions in the selection and requirements for exhibitors at the POSNA Annual Meeting or in CME activities;
- Collecting and distributing certain orthopaedic practice information, particularly involving practice charges and costs;
- Obtaining and distributing orthopaedic industry price and cost information;
- Professional certification programs;
- Group buying and selling; and
- Inclusions or exclusion of other medical societies in organizational activities or offerings.

When these and related topics are discussed, the convener or members of the POSNA group should seek counsel from its General Counsel.

POSNA urges its Board, committees and other groups not to participate in discussions that may give the appearance of or constitute an agreement that would violate the antitrust laws. Notwithstanding this reliance, it is the responsibility of each POSNA Board or committee member to avoid raising improper subjects for discussion. This policy has been prepared to ensure that POSNA members and other participants in POSNA meetings are aware of this obligation.

The “Do Not’s” and “Do’s” presented below highlight only the most basic antitrust principles. POSNA members and others participating in POSNA meetings should consult with the General Counsel in all cases involving specific questions, interpretations or advice regarding antitrust matters.

#### Do Not's

1. Do not, in fact or appearance, discuss or exchange information regarding:
  - a. Individual company prices, price changes, price differentials, mark-ups, discounts, allowances, credit terms, etc. or any other data that may bear on price, such as costs, production, capacity, inventories, sales, etc.
  - b. Raising, lowering or “stabilizing” orthopaedic prices or fees;

- c. What constitutes a fair profit or margin level;
  - d. The availability of products or services; or
  - e. The allocation of markets, territories or patients.
2. Do not suggest or imply that POSNA members should or should not deal with certain other persons or companies.
3. Do not foster unfair practices regarding advertising, standardization, certification or accreditation.
4. Do not discuss or exchange information regarding the above matters during social gatherings, incidental to POSNA-sponsored meetings.
5. Do not make oral or written statements on important issues on behalf of POSNA without appropriate authority to do so.

#### Do

1. Do adhere to prepared agenda for all POSNA meetings. It is generally permissible for agendas to include discussions of such varied topics as professional economic trends, advances and problems in relevant technology or research, various aspects of the science and art of management, and relationships with local, state or federal governments.
2. Do object whenever meeting summaries do not accurately reflect the matters that occurred.
3. Do consult with General Counsel on all antitrust questions relating to discussions at POSNA meetings.
4. Do object to and do not participate in any discussions or meeting activities that you believe violate the antitrust laws; dissociate yourself from any such discussions or activities and leave any meeting in which they continue.

**Special Guidelines for Collecting and Distributing Information**

The collection and distribution of information regarding business practices is a traditional function of associations and is well-recognized under the law as appropriate, legal and consistent with the antitrust laws. However, if conducted improperly, such information gathering and distributing activities might be viewed as facilitating an express or implied agreement among association members to adhere to the same business practices. For this reason, special general guidelines have developed over time regarding association's reporting on information collected from and disseminated to members. Any exceptions to these general guidelines should be made only after discussion with General Counsel. These general guidelines include:

1. Member participation in a statistical reporting program is voluntary. A statistical reporting program should be conducted without coercion or penalty. Non-members should be allowed to participate in a statistical reporting program if eligible; however, if a fee is involved, non-members may be charged a reasonably higher fee than members.
2. Information should be collected via a written instrument that clearly sets forth what is being requested.
3. The data that is collected should be about past transactions or activities; particularly if the survey deals with prices and price terms (including charges, costs, wages, benefits, discounts, etc.), it should be historic, i.e., more than three months old.
4. The data should be collected by either POSNA or an independent third party not connected with any one member.
5. Data on individual orthopaedic surgeons should be kept confidential.
6. There should be a sufficient number of participants to prevent specific responses or data from being attributable to any one respondent. As a general rule, there should be at least five respondents reporting data upon which any statistic or item is based, and no individual's data should represent more than 25% on a weighted average of that statistic or item.
7. Composite/aggregate data should be available to all participants – both members and non-members. The data may be categorized, e.g., geographically, and ranges and averages may be used. No member should be given access to the raw data. Disclosure of individual data could serve to promote uniformity and reduce competition.
8. As a general rule, there should be no discussion or agreement as to how members and non-members

should adjust, plan or carry out their practices based on the results of the survey. Each member should analyze the data and make business decisions independently.