



# 12th Annual International Pediatric Orthopaedic Symposium

Presented by POSNA and AAOS

**December 9 – 12, 2015**  
**Orlando, FL**

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

**John M. (Jack) Flynn, MD**  
Director Emeritus

Evidence-based techniques and research, hands-on practice,  
and emerging issues across the spectrum of pediatric and  
adolescent orthopaedic care

**[aaos.org/IPOS](http://aaos.org/IPOS)**

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## **Advisory Board**

Donald S. Bae, MD; Pablo Castañeda, MD; Jon R. Davids, MD; Theodore J. Ganley, MD; Kenneth J. Noonan, MD; William G. Mackenzie, MD; Gregory A. Mencia, MD; Charles T. Price, MD; Suken A. Shah, MD; Brian G. Smith, MD

## **Defining today's state-of-the-art pediatric orthopaedic care**

Immerse yourself in the orthopaedic expertise convened at this unique four-day event that features today's state-of-the-art and emerging pediatric orthopaedic care. From frequently-seen problems to rare conditions that demand specialized care, discover new insights, and integrate new techniques and tips into your care of children and adolescent patients with musculoskeletal problems.

## **Customize the learning experience to your interests**

Recognizing the complexity, diversity, and subspecialty interests within pediatric orthopaedics, IPOS offers you the flexibility to customize the learning experience to your unique practice needs. In addition to focused lectures and engaging case discussions, select from over 40 breakout sessions, demonstrations, hands-on technical workshops, and industry-sponsored satellite sessions.

## **New this year!**

**Tips and Tricks to Optimize CPT Coding • Resident Session • Industry Pre-course**



*Haemish A. Crawford, MBChB, FRACS works with course attendees during a hands-on Ponseti Workshop.*

## TUESDAY, DECEMBER 8 (Optional Sessions)

- 4:00 pm **NEW! Resident Session:** Career Planning and Professional Development
- 5:30 pm **Resident Case Presentations and Cocktails**
- 7:00 pm **NEW! Industry Pre-course:** Adolescent Spine Surgery and Knee Reconstruction

## WEDNESDAY, DECEMBER 9

	MAIN SESSION	CME SESSIONS
MORNING	<b>Case-based Session: What Am I Missing?</b> A Child Presents with Torticollis and a Limp An 8-Year-Old with Spastic Diplegia and Gait Deterioration Worsening Gait in a 6-Year-Old with Achondroplasia An Infant with an Irritable Hip Multiple Fractures in a 6-Year-Old	Essentials of Pediatric Orthopaedics I Ponseti Casting: Initial Management The Lower Extremity Athlete: A Case-Based Approach Perthes Disease Conservative Treatment of AIS: Schroth PT and Rigo Bracing Challenges in International Orthopaedics
AFTERNOON	CONCURRENT SESSIONS	
	<b>ESSENTIALS OF PEDIATRIC HIP</b> Closed/Open Reduction Osteotomy <b>Case-based Session: Now What? Understand Why Hips Go Bad and How to Revise</b> Why Did This Osteotomy Fail? The Failed Open Reduction Neuromuscular Hip Why Do I Keep Coming Back? <b>Non-DDH Case Session:</b> Chondrolysis, Sickle Cell AVN	<b>UPPER EXTREMITY TRAUMA</b> <b>Supracondylar Humerus Fractures</b> <b>Distal Radius Fractures</b> <b>Lateral Condyle Fractures</b> <b>Monteggia Injuries</b> The Role of the Ulnar Fracture Scaphoid Fracture Flexion-type Supracondylar Fractures <b>Case-based Session: Proximal Humerus Fracture, Capitellar Fracture, Radial Neck, Intra-articular DRF</b>
	OPTIONAL HANDS-ON INDUSTRY WORKSHOP AND DEMONSTRATIONS (3:40 – 6:10 PM)	
	COURSE DIRECTORS' WELCOME RECEPTION WITH EXHIBITS (6:30 PM)	

## THURSDAY, DECEMBER 10

	OPTIONAL HANDS-ON INDUSTRY WORKSHOP AND DEMONSTRATIONS (7:30 – 8:40 AM)	
	MAIN SESSION	CME SESSIONS
MORNING	<b>PEAK PERFORMANCE IN PEDIATRIC ORTHOPAEDICS</b> Tips to Navigate the Busy Clinic Communication Strategies to Connect with Your Patient Efficiency Tools to be Home by 5 p.m. After 12 Sports Cases Perfecting Your Technical Skills Stress Management and Work-Life Integration Optimizing Billing for the Work You Do <i>(Karen Zupko &amp; Assoc.)</i>	Essentials of Pediatric Orthopaedics II Pelvic Osteotomies – Hands-on: Basic (Salter, Dega, Pemberton) Ponseti Casting: Initial Management Cerebral Palsy: Bracing, Spasticity Management, and Therapy Improving Safety and the Patient Experience ICD-10 <i>(Karen Zupko &amp; Assoc.)</i>

View the detailed schedule at [aaos.org/IPOS](http://aaos.org/IPOS)

## THURSDAY, DECEMBER 10 (continued)

CONCURRENT SESSIONS	
AFTERNOON	<b>OPERATIVE AND NON-OPERATIVE APPROACHES TO SPINE PROBLEMS IN CHILDREN</b> <b>Spine Care in the Teenage Athlete</b> Spondylolysis Spine Injuries in Athletes: When to Worry Case Session: When Back Pain is More <b>Focus on Conservative Management of Scoliosis</b> Alternatives to the Traditional TLSO – The Rigo Cheneau Brace Scoliosis Specific Physical Therapy <b>25 Tips to Optimize Adolescent Idiopathic Surgery</b> Pre-op Tips to Plan for the Best Surgery; Intra-op Strategies to Optimize Safety; Ways to Make Apical Derotation Work for You; Tips for the Big Curve; Strategies to Optimize Post-op Care <b>Cutting Edge Issues in Early Onset Scoliosis</b> Growing the Spine in the Era of MAGEC Rib Fixation – Indications, Tips and Tricks Tethers and Staples: How Do They Compare with Selective Thoracic Fusion?
	<b>HOT TOPICS IN SPORTS MEDICINE</b> <b>The Footballer's Shoulder</b> Current Concepts of Shoulder Instability In Adolescents Indications and Technique: Arthroscopic vs. Open Capsulolabral Repair Indications and Technique: Latarjet Reconstruction <b>The Pitcher's Elbow</b> Prevention and Management Indications and Technique: UCL Reconstruction <b>The Gymnast's Wrist</b> Evaluation and Management Indications and Technique: TFCC Tears and Ulnocarpal Impaction
<b>TOP GUN: Popular resident hands-on surgical simulation competition</b>	

## FRIDAY, DECEMBER 11

OPTIONAL HANDS-ON INDUSTRY WORKSHOP AND DEMONSTRATIONS (7:30 – 8:40 AM)	
CONCURRENT SESSIONS	
MORNING	<b>INFECTION: PREVENTION AND TREATMENT IN 2015</b> <b>Hot Topics in Infectious Disease for Pediatric Orthopaedists</b> MRSA, C Diff, and Antibiotics 101 <b>Focus on SSI in Neuromuscular Spine</b> Best Practices for Prophylaxis and Treatment <b>Focus on the Septic Hip</b> Diagnosis, Treatment, and Salvage <b>Osteomyelitis Around the Globe</b>
	<b>COMPLEX LOWER EXTREMITY PROBLEMS IN CHILDREN</b> New Tools for Assessing X-rays: The Trauma Cad, Bone Ninja, and Surgimap Lower Extremity Alignment Planning Fixing Your Quality Problems Gait Lab Interpretation Dysplasias, Congenital Deformities, and Innovative Surgical Options
MAIN SESSION	
AFTERNOON	<b>MASTER'S TECHNIQUE SESSION</b> Flexion-type Supracondylar Talectomy: How I Do It Triple Arthrodesis in the Flatfoot Posterior Medial Release for Idiopathic Clubfoot Hip Dislocation: Submuscular Plating Femur Correcting Pelvic Obliquity in Neuromuscular Spine Medial Open Reduction Rectus Transfer Neuromuscular Spine Osteotomies for Equinus Foot Calcaneal Osteotomy FCU Transfer for Wrist Extension Femoral Head Reduction for Perthes
CME SESSIONS	
AFTERNOON	Pediatric Trauma Pearls and Pitfalls Pelvic Osteotomies – Hands-on: Basic 2 Ponseti – Complex Problems The Pediatric Athlete's Knee: ACL and OCD Bone Lesions: Cysts to Malignancies

**Please note:** Course schedule is subject to change.

**CONCURRENT SESSIONS**

**MORNING**

**MANAGING THE CONSEQUENCES OF TRAUMA**

Top 10 Errors in Pediatric Orthopaedic Trauma  
 LLD – How Has Magnetic Lengthening Changed? Indications  
 Growth Arrest  
 Intra-articular Deformity  
 Malunions of Long Bones  
 Long Term Consequences of Joint Malalignment  
 Corrective Osteotomies of Malunited BBFF: Indications and Techniques  
 Radial Neck Fractures: Management of Acute Injuries, Non-unions and Malunions

**CEREBRAL PALSY: SURGERY TO IMPROVE AMBULATION**

Safe Surgery/Pain Management: Common Peri-Operative Medical Problems (Constipation/Urinary Retention/Spasticity)  
 Which Patients are Too Good/Too Bad for SEMLS

**Surgery for the Transverse Plane:**

Case-Based Assessment: Where is the In-Toeing Coming From?  
 Indications and Technique for Femoral/Tibial Rotation Osteotomies: When and How I Do What I Do

**Surgery for the Sagittal Plane: Knee**

**Surgery for the Sagittal Plane: Ankle**

**Gait Analysis**

**CME SESSIONS**

Pelvic Osteotomies – Hands-on: Advanced (Ganz, Triple, others)  
 Limb Deformity 101  
 Pediatric Foot: Surgical Management of Congenital and Acquired Conditions  
 ICD-10 (*Karen Zupko & Assoc.*)

**MAIN SESSION**

**AFTERNOON**

**FOOT**

Top 5 Common and Devastating Mistakes in Foot Surgery  
 Syme vs. Boyd Amputations  
 Diagnosis and Management of the Painful Idiopathic Flatfoot  
 Jungle Warfare: How to Manage the Neglected Clubfoot on Your Next Mission Trip  
 Skewfoot: Fix It or Leave It?  
 Adolescent Bunion: Still A No-Go Zone?  
 When Is External Fixation Used in Foot Surgery  
 Surgery for the Neuromuscular Foot  
 Tools and Tricks for Assessment  
 Orthotics, Botox, and Gait Aids  
 Soft Tissue Surgery  
 Bony Surgery – Hindfoot  
 Bony Surgery – Forefoot  
 Lessons Learned from the Care of Children Abroad with Foot Problems



*Course attendees and faculty engage in discussions during a hands-on IPOS workshop.*



## Course Director

Michael G. Vitale, MD, MPH

## Director Emeritus

John M. (Jack) Flynn, MD

## United States Faculty

Donald S. Bae, MD  
John G. Birch, MD  
Laurel C. Blakemore, MD  
Michael T. Busch, MD  
Michelle S. Caird, MD  
Henry G. Chambers, MD  
Jon R. Davids, MD  
Craig P. Ebersson, MD  
Frances A. Farley, MD  
David S. Feldman, MD  
Steven L. Frick, MD  
Theodore J. Ganley, MD  
William L. Hennrikus Jr, MD  
Martin J. Herman, MD  
Jose A. Herrera Soto, MD  
John E. Herzenberg, MD  
Joshua E. Hyman, MD  
Christopher A. Iobst, MD  
Lori A. Karol, MD  
Robert M. Kay, MD  
Young-Jo Kim, MD, PhD  
Mininder S. Kocher, MD, MPH  
William G. Mackenzie, MD  
James J. McCarthy, MD

Gregory A. Mencia, MD  
Todd A. Milbrandt, MD  
Vincent S. Mosca, MD  
Scott J. Mubarak, MD  
Michael J. Muszynski, MD  
Peter O. Newton, MD  
Kenneth J. Noonan, MD  
Dror Paley, MD  
Jonathan H. Phillips, MD  
Charles T. Price, MD  
James O. Sanders, MD  
Wudbhav N. Sankar, MD  
Jeffrey R. Sawyer, MD  
Susan A. Scherl, MD  
Richard M. Schwend, MD  
Suken A. Shah, MD  
Kevin G. Shea, MD  
Ernest L. Sink, MD  
David Lee Skaggs, MD  
Brian G. Smith, MD  
David A. Spiegel, MD  
Paul D. Sponseller, MD  
Daniel J. Sucato, MD, MS  
Bryan J. Tompkins, MD  
Peter M. Waters, MD  
Jennifer M. Weiss, MD  
Dennis R. Wenger, MD  
Roger F. Widmann, MD  
Suzanne M. Yandow, MD  
Ira Zaltz, MD

## International Faculty

Pablo Castañeda, MD  
Haemish A. Crawford, MBChB, FRACS  
Alain Dimeglio, MD  
Deborah Eastwood, FRCS  
Carol C. Hasler, MD  
Ashok Johari, MD  
David G. Little, MBBS, FRACS, PhD  
Unni G. Narayanan, MBBS, MSc, FRCSC  
Manoj Ramachandran, FRCS (Orth)  
Manuel Rigo, MD

## Instructors

Lindsay Andras, MD  
Patrick Cahill, MD  
Michael Glotzbecker, MD  
A. Noelle Larson, MD  
Amy McIntosh, MD  
Brandon Ramo, MD  
Benjamin Shore, MD  
Samantha Spencer, MD  
Simon Thomas, MD  
Vidal Upasani, MD  
Carlos Vidal, MD

*Please note: Course faculty is subject to change.  
All faculty members have disclosed potential conflicts  
of interest. These disclosures can be viewed online  
at [www.aaos.org](http://www.aaos.org) under 'Member Services'*

## GENERAL INFORMATION

### How to Register:

1. **Online** at [aaos.org/IPOS](http://aaos.org/IPOS)
2. **Call** AAOS Customer Service at  
**1-800-626-6726** from 8:00 am to 5:00 pm CT.  
Outside U.S. dial **+1-847-823-7186**.
3. **Print** registration form at [aaos.org/IPOS](http://aaos.org/IPOS). Mail  
completed form to AAOS, 9400 W. Higgins Rd.,  
Rosemont, IL 60018, or fax to **1-800-823-8025**.  
Outside U.S. fax to **+1-847-823-8125**.

### Walt Disney World Swan Resort

1200 Epcot Resorts Boulevard  
Lake Buena Vista, FL 32830  
Hotel Phone: 407-934-4000  
Reservations: 888-828-8850

**Housing Reservation Deadline:**  
**November 16, 2015**

**Room Rates: \$183/night**  
(plus applicable taxes and fees)

### Registration Fees

POSNA/AAOS Member/Candidate Member  
Associate Member/International Member **\$1,349**

Orthopaedic Resident/Post Residency Fellow  
U.S. Military\*/POSNA/AAOS Emeritus **\$1,149**

Nonmember/International Nonmember  
Other Physician/Non-MD Practitioner  
Non-Physician **\$1,949**

Nurse/Allied Health/Physician Assistant **\$849**

\* For POSNA/AAOS members in active U.S. military duty only

### Accreditation Statement

The American Academy of Orthopaedic Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education (CME) for physicians.

### AMA Credit Designation Statement

AAOS designates this live activity for 24.5 **AMA PRA Category 1 Credit(s)<sup>™</sup>**. Physicians should claim only the credits commensurate with the extent of their participation in the activity.

### Obtaining CME Credit

Course participants must complete and submit an online evaluation form to receive CME credit.

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

- Assess children with orthopaedic conditions and formulate a treatment plan
- Compare and contrast various nonsurgical and surgical treatment procedures for selected pediatric orthopaedic conditions
- Apply alternative treatment and rehabilitation techniques for pediatric orthopaedic conditions when appropriate
- Manage complications of various pediatric orthopaedic conditions and how to avoid them
- Use contemporary strategies for infection control in pediatric orthopaedic patients

### Webcasts

Join the IPOS faculty, attendees and pediatric orthopaedic colleagues from around the world for interactive live webcasts from the course in Orlando. See details at [aaos.org/IPOS](https://aaos.org/IPOS).

### Call for ePosters

We are accepting electronic poster submissions for IPOS. To download an application, visit [aaos.org/IPOS](https://aaos.org/IPOS).

### Scholarship Offer

Tuition scholarships are available for orthopaedic residents and pediatric orthopaedic fellows. To download an application, visit [aaos.org/IPOS](https://aaos.org/IPOS).

The Academy would like to thank the **Pediatric Orthopaedic Society of North America (POSNA)** for the many contributions made by its members in the production of this program. The Academy and orthopaedic specialty societies work together to provide orthopaedic surgeons with the highest quality educational programs and publications. This cooperative spirit among colleague organizations is an important resource and valuable asset for the orthopaedic community.

The American Academy of Orthopaedic Surgeons and the Pediatric Orthopaedic Society of North America extend sincere appreciation to the following companies for their educational grants in support of this program:

**BioMarin Pharmaceutical**  
**K2M**  
**OrthoPediatrics**

**Pega Medical**  
**Shriners Hospitals for Children**  
**Wright Medical**



*Unni G. Narayanan, MBBS, MSc, FRCSC assists a resident during the highly anticipated **Top Gun Surgical Competition** available for residents.*

# AAOS CME COURSE REGISTRATION FORM

Please print and mail with check or credit card details to: **AAOS, 9400 West Higgins Road, Rosemont, Illinois 60018**  
(Allow 3 weeks to process mailed registrations.)

OR Please print and fax with check or credit card details to: **(847) 823-8125**

## **12th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS** **Course #3338 • December 8 – 12, 2015 • Lake Buena Vista, FL**

### **Course Tuition**

Registration fee includes course materials, electronic syllabus, and refreshments. Enrollment for this course is limited to 335 participants.

### **Check only one:**

- ☐ AAOS/POSNA Member/Candidate Member/Associate Member/International Member **\$1349**
- ☐ Orthopaedic Resident/Post Residency Fellow/AAOS/POSNA Emeritus Member/U.S. Military\* **\$1149**
- ☐ Nonmember/International Nonmember/Other Physician/Non-MD Practitioner/Non-Physician **\$1949**
- ☐ Nurse/Allied Health/Physician Assistant **\$849**

\*For AAOS/POSNA members in active U.S. military duty only

**Tuition enclosed \$** \_\_\_\_\_ (U.S. Dollars only, payable to American Academy of Orthopaedic Surgeons)

Print clearly please

NAME \_\_\_\_\_ ACADEMY ID# \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ COUNTRY \_\_\_\_\_

WORK TELEPHONE \_\_\_\_\_ MOBILE TELEPHONE \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_ FAX NUMBER \_\_\_\_\_

☐ Visa ☐ Mastercard ☐ American Express

CREDIT CARD NUMBER \_\_\_\_\_ EXPIRATION DATE \_\_\_\_\_

☐ Check here if ADA (Americans with Disabilities Act) accommodation is desired. An AAOS staff person will contact you. 

### **Housing Information**

A block of hotel rooms is reserved for course registrants until the deadline specified online. If the room block fills prior to the deadline, the hotel cannot guarantee availability and/or the special AAOS room rate. To make your reservations please contact the hotel directly or select the course web page at [aaos.org/courses](http://aaos.org/courses) and select the "housing reservations online" link. All hotel reservations require an advance room deposit.

### **Airfare/Discounted Rental Car**

Contact CorpTravel Management, the AAOS official air travel coordinator, at 1-800-211-8016 or select your preferred airline/travel site. Individuals traveling from outside the U.S. and Canada need to contact a travel agency or airline directly within their country.

For discounted car rental, contact Hertz Rent-a-Car at 1-800-654-2240 or [www.hertz.com](http://www.hertz.com) and reference CV02KS0019.

IMPORTANT: Please call AAOS Customer Service at 1-800-626-6726 to confirm your course registration before making airline reservations.

For additional travel and housing details or updated course details please visit the course web page at [aaos.org/courses](http://aaos.org/courses).

### **Refunds**

Requests for a refund must be received in writing at the Academy offices (AAOS, 9400 West Higgins Road, Rosemont, Illinois 60018) or email [customerservice@aaos.org](mailto:customerservice@aaos.org) at least one week prior to the course. In all instances, a \$100 cancellation fee will be charged. Beyond this deadline no monetary refund is issued. Instead, the tuition amount, less cancellation fee, will be credited toward another AAOS course within one year.

### **Course Cancellation**

AAOS reserves the right to cancel a course thirty (30) days prior to the course date. If a course must be cancelled, we will notify registrants by email and follow-up by phone if we have a contact number for you. AAOS will refund your course registration fee in full. However, other costs, such as airline or hotel penalties, are your responsibility.