

2026 POSNA Annual Meeting

Rosen Shingle Creek®
Orlando, FL
May 6-8, 2026



Final Program

President: Kevin Shea, MD
Program Chair: John Vorhies, MD
Local Host: John Lovejoy III, MD



POSNA
PEDIATRIC ORTHOPAEDIC SOCIETY
OF NORTH AMERICA

ACKNOWLEDGEMENTS



POSNA
PEDIATRIC ORTHOPAEDIC SOCIETY
OF NORTH AMERICA

The Pediatric Orthopaedic Society of North America gratefully acknowledges the following for their generous financial support in 2026.

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**Provided an educational grant for the Annual Meeting*

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Novadip Biosciences is on a mission to solve some of the biggest challenges in pediatric bone regenerative medicine

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HOME OF SIDNEY KIMMEL MEDICAL COLLEGE

WELCOME

Dear Colleagues,

On behalf of POSNA President Kevin Shea, MD, and the 2026 Program Committee (John Vorhies, MD; Christine Ho, MD; Julie Samora, MD; and V. Salil Upasani, MD), it is my pleasure to invite you to attend the 2026 POSNA Annual Meeting in Orlando, FL.

We heard the feedback from POSNA members loud and clear—more high-quality scientific research presented at the podium. In response, we have expanded concurrent scientific sessions to ensure that the best research in our field is shared and discussed by as many members as possible. Dissemination and discussion of high-quality research remain the primary goal of this meeting. Building on last year's success of the fireside chats and roundtable discussions, we will continue these engaging sessions that encourage dialogue between pediatric orthopaedic surgeons from a wide variety of practice settings.

We are proud to present a program that reflects the breadth, quality, and collegial spirit of our specialty. There is something for everyone for all stages of a career. We hope that this year's combination of rigorous science, interactive learning, and genuine collegiality will leave all attendees informed, inspired, and connected.

Sincerely,



John Vorhies, MD
Program Chair

1100+
ABSTRACTS
SUBMITTED

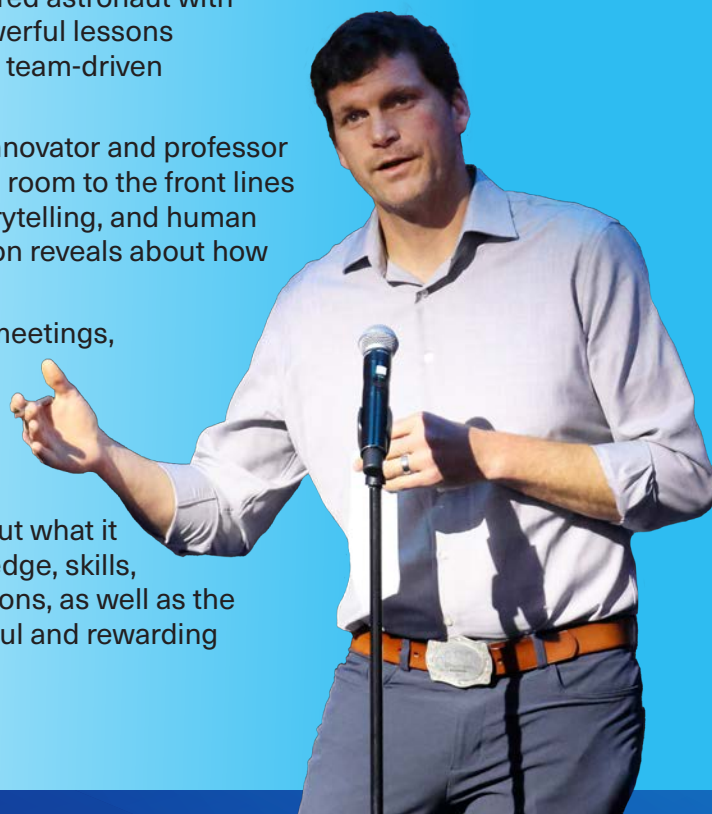
150+
CASE
REPORTS

175+
VOLUNTEER
REVIEWERS

25%
ACCEPTANCE
RATE

HIGHLIGHTS OF THE 2026 ANNUAL MEETING:

- The return of **Case Reports from the podium**, building on the success of last year's sessions that sparked lively and insightful discussions moderated by leaders in our field.
- **Fireside Chats** and **Roundtable Discussions** on topics relevant to pediatric orthopaedic surgeons across diverse practice environments.
- **The Lead Like Lori Lecturer, Joan Higginbotham**, a retired astronaut with a distinguished 20-year career with NASA, will bring powerful lessons on leadership, perseverance, and thriving in high-stakes, team-driven environments.
- **Howard Steel Lecturer, Mike Evans, MD**, a physician-innovator and professor of family medicine, reflects on his journey from the exam room to the front lines of health innovation. He explores how AI, wearables, storytelling, and human connection intersect in real life, and what that intersection reveals about how people actually change.
- Thursday afternoon: free time for research study group meetings, networking, informal gatherings, and local excursions.
- Friday morning: award abstract session, followed by the Distinguished Achievement Award, meeting awards, Presidential Speaker, and Presidential Transfer.
- **Presidential Speaker, Steven L. Frick, MD**, will talk about what it means to be a good surgeon. He will address the knowledge, skills, and behaviors that distinguish individuals as good surgeons, as well as the values, principles, and approaches leading to a successful and rewarding career in orthopaedic surgery.



LOCAL HOST LETTER



John F. Lovejoy III, MD

Dear Colleagues,

On behalf of Nemours Children's Health, it is our great pleasure to welcome you to Orlando, FL, "The City Beautiful," for the 2026 POSNA Annual Meeting. Hosted at the magnificent Rosen Shingle Creek® Resort, we are truly honored to have you, and your family, join us in one of the most vibrant and family-friendly destinations in the country.

Rosen Shingle Creek®

offers an exceptional setting for our meeting, with spacious accommodations, outstanding dining options, a championship golf course, a full-service spa, and scenic walking paths along Shingle Creek. While the scientific program promises to be engaging and inspiring, we hope you will also take time to enjoy the resort's amenities and everything Orlando has to offer just beyond its doors.

Orlando is world-renowned for its theme parks, including Walt Disney World, Hollywood Studios, EPCOT, Universal Studios Florida, Epic Universe, and SeaWorld Orlando—each offering unforgettable experiences for children and adults alike. Whether it's the magic of classic attractions, thrilling roller coasters, or immersive new worlds, there is truly something for every member of your family.

Just minutes from the resort, you'll find the vibrant International Drive corridor, home to a wide array of restaurants, entertainment venues, and attractions. Enjoy nearby dining favorites ranging from upscale steakhouses and fresh seafood to family-friendly eateries and lively rooftop venues. Pointe Orlando and ICON Park offer additional options for dining, shopping, and entertainment, including The Wheel for panoramic views of the city.

May in Orlando offers warm, sunny days and pleasant evenings—perfect for outdoor dining, poolside relaxation, and evening strolls. You'll find exceptional restaurants throughout the city, from chef-driven dining in the Mills 50 and Doctor Phillips districts to lively entertainment and nightlife along International Drive. For shopping enthusiasts, Orlando features premier destinations such as The Mall at Millenia and Orlando International Premium Outlets, offering everything from luxury brands to family-friendly favorites.

We hope your time here is both professionally rewarding and personally memorable. May this meeting foster meaningful collaboration, advance our shared mission in pediatric orthopaedic care, and provide you with lasting experiences alongside those who matter most.

We are delighted you are here.

Warm regards,
John F. Lovejoy III, MD
Local Host

2026 POSNA Annual Meeting
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Orlando, FL
May 6-8, 2026

President: Kevin Shea, MD
Program Chair: John Vorhies, MD
Local Host: John Lovejoy III, MD

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ORTHOPAEDIC SURGEONS
OF NORTH AMERICA

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Eric Edmonds, MD

ERIC EDMONDS, MD

Dr. Eric Edmonds is faculty at Rady Children's Hospital San Diego where he serves as the Vice-Chief of the Orthopaedic Surgery Division, Director of Orthopedic Research, and Director for the 360 Sports medicine program. He is also a Professor of Orthopedic Surgery within the University of California San Diego. His clinical and research interests include youth sports medicine and musculoskeletal trauma; and according to Google Scholar, he has 4695 citations, an H-index of 36, and an i10-index of 100 for his over 180 peer-reviewed publications. He has written more than 25 book chapters and actively participates in many multi-center research teams.

His service to POSNA includes time on the Board as an At-Large Member, Secretary, and the last couple of years on the Presidential Line. He has also served as Chair of the Membership Committee, Chair of the Trauma and Prevention Committee, and Chair of the Sports Section of the IPOS® Advisory Board. He has been a member of the Treasurer's Committee, History & Hall of Fame Committee, Fellowship Training/Qualifications for Practice Committee, Long Range Planning Committee, Bylaws Committee, Awards Committee, Educational Courses Committee, Education Committee, and the Bone and Joint Decade Ad Hoc Committee. He served as a mentor in the POSNA Mentorship Program and has been an Annual Meeting Abstract reviewer many times.

He enjoys spending time with his family, traveling the country and the world. When not on a 7000-mile road trip visiting the National Parks, he enjoys backpacking, jeeping, rockhounding, digging for fossils, birding, and learning about native edible plants.

CELEBRATING JPOSNA®



INDEXING & RECOGNITION

Directory of Open Access Journals (DOAJ) (Oct 2024)

PubMed Central (May 2025)

Scopus (Aug 2025)

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WHAT'S NEXT

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University of Texas Southwestern Medical School
Dallas, TX

Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA

Akron Children's Hospital
Akron, OH

V. Salil Upasani, MD, FAAOS, FAOA

Rady Children's Health
San Diego, CA



John Vorhies, MD,
FAAOS, FAOA



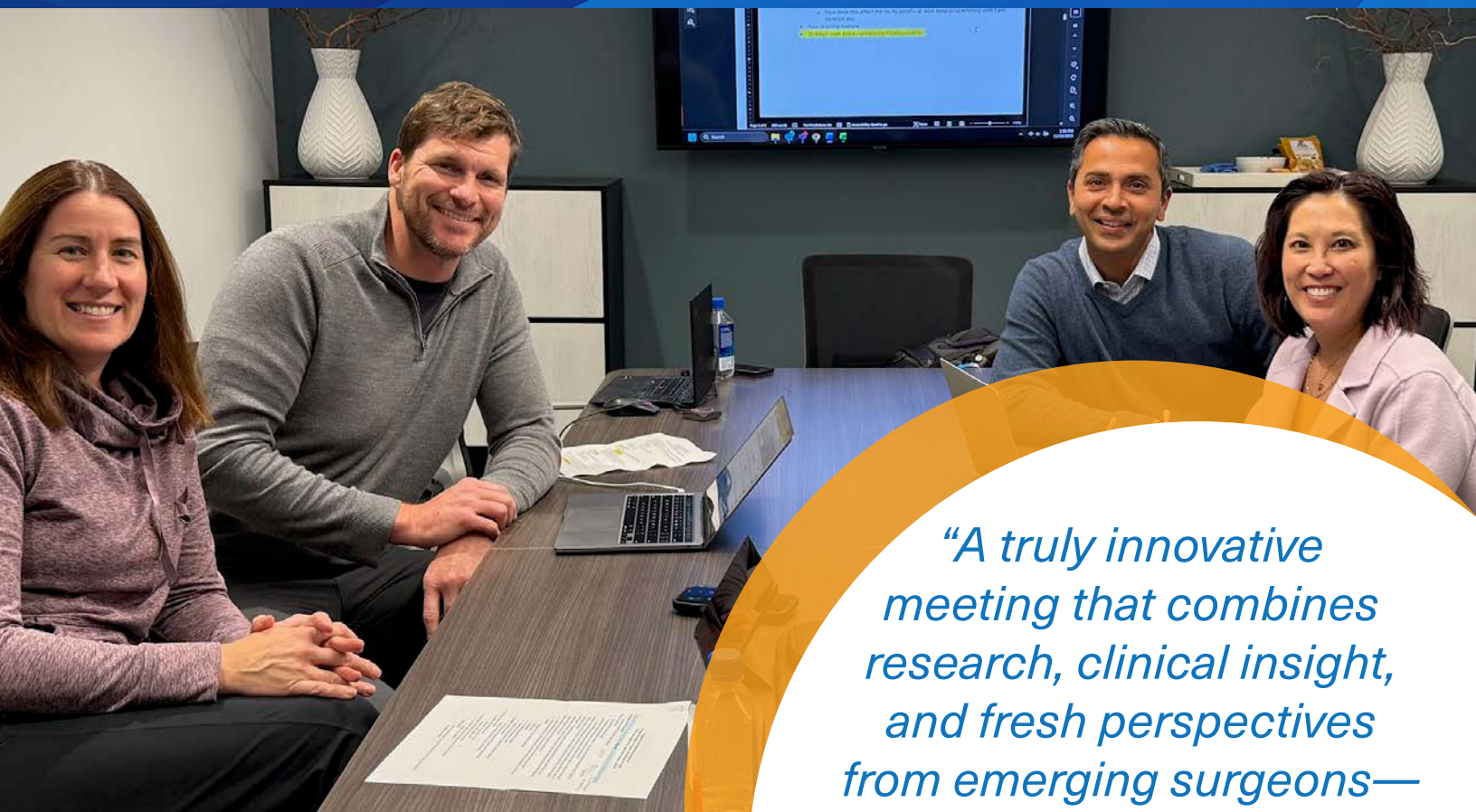
Christine Ho, MD,
FAAOS, FAAP, FAOA



Julie Balch Samora,
MD, PhD, MPH,
FAAOS, FAOA



V. Salil Upasani, MD,
FAAOS, FAOA



"A truly innovative meeting that combines research, clinical insight, and fresh perspectives from emerging surgeons—making it both dynamic and inspiring."

Lorena Floccari, MD

THANK YOU ABSTRACT REVIEWERS

The Program Committee acknowledges the hard work of the POSNA volunteer readers and thanks the following for their dedication to the POSNA mission.

Marcel Abouassaly, MD	Steven Frick, MD	Cheryl Lawing, MD	Nicholas Pulos, MD
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Jeanne Franzone, MD		Selina Poon, MD	
		Nigel Price, MD	

MEET YOUR 2026 BREAKOUT SESSION PLANNERS

Get to Know the Brilliant Minds Crafting Our Program

Immerse yourself in a dynamic learning environment where expert faculty will not only challenge you to think outside the box but also provide unwavering support as you navigate through your meeting experience so you can elevate your practice to new heights. Experience a collaborative atmosphere that fosters growth and innovation, propelling you toward success in 2026 and beyond.



Laurel Blakemore, MD
Pediatric Specialists
of Virginia
Fairfax, VA



R. Dale Blasier, MD
Arkansas Children's
Little Rock, AR



Steven Frick, MD
Wake Forest University
Charlotte, NC



Blake Montgomery, MD
Children's Hospital of
Philadelphia
Philadelphia, PA



Kevin Neal, MD
Nemours Children's
Hospital, Florida &
Mayo Clinic
Jacksonville, FL



Kevin Shea, MD
Stanford Health Care
Stanford, CA

*"This meeting
inspired me to refine
my surgical techniques,
improve decision-making,
prevent complications, and
explore innovative tools to
elevate patient care."*

John Heflin, MD



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Our vision is to create a multidisciplinary destination for Central Texas families — delivering elite clinical care and innovative surgical techniques supported by cutting-edge academic research. We aim to optimize recovery and enhance performance, and we are committed to leading the field in advanced robotic spinal surgery while training the next generation of surgeons, researchers, and healthcare leaders.



Orthopedics and Sports Medicine



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GENERAL MEETING INFORMATION

LEARNING OBJECTIVES

- Analyze the latest advances in pediatric orthopaedic management to inform clinical decision-making.
- Incorporate best practice guidelines to optimize musculoskeletal health for pediatric patients.
- Identify and implement strategies to increase quality, safety, and value to patient care.

JOINT ACCREDITATION STATEMENT

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and the Pediatric Orthopaedic Society of North America. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



Professions in scope for this activity are listed below.
Amedco Joint Accreditation Provider Number: 4008163.

AMA CREDIT DESIGNATION

Amedco LLC designates this live activity for a maximum of **13.5 AMA PRA Category 1 Credits™** for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

DISCLOSURE

Each meeting presenter has been asked to disclose if he/she/they has received something of value from a commercial company or institution, which relates directly or indirectly to the subject of their presentation. In the online posted disclosure report, an indication of the participant's disclosure appears after his/her/their name as well as the commercial company or institution that provided the support. POSNA does 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.

FDA STATEMENT (UNITED STATES)

Some drugs or medical devices demonstrated at the Annual 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/she/they wishes to use in clinical practice. Any drug or medical device is being used "off label" if the described use is not set forth on the product's approval label.

- ★ Indicates a presentation in which the FDA has not cleared the drug and/or medical device for the use described (i.e., the drug or medical device is being discussed for an "off-label" use).

POSNA-SUPPORTED RESEARCH

- ◆ Indicates research by a POSNA grant

REGISTRATION HOURS

Tuesday, May 5	2:00 PM–6:00 PM
Wednesday, May 6	7:00 AM–5:00 PM
Thursday, May 7	7:00 AM–12:30 PM
Friday, May 8	7:00 AM–4:00 PM

EXHIBIT HOURS

Wednesday, May 6

Exhibits	7:00 AM –4:00 PM
Breakfast	7:00 AM –8:00 AM
Morning Break	10:35 AM –10:55 AM
Afternoon Break	3:35 PM–3:55 PM

Thursday, May 7

Exhibits	7:00 AM–12:00 PM
Breakfast	7:00 AM–8:00 AM
Morning Break	9:45 AM–10:05 AM

Friday, May 8

Exhibits	7:00 AM–3:35 PM
Breakfast	7:00 AM–8:00 AM
Morning Break	10:05 AM–10:25 AM
Afternoon Break	3:15 PM–3:35 PM

Lunch is on your own each day.

The hotel has a variety of dining options for your convenience. Please visit [the link here](#) or the POSNA Meetings mobile app.

SPEAKER READY ROOM HOURS

Room: Gatlin A2-3

POSNA requires all live electronic presentations to be uploaded using the central computer system within 24 hours of presenting.

Tuesday, May 5	3:00 PM–6:00 PM
Wednesday, May 6	7:00 AM–4:00 PM
Thursday, May 7	7:00 AM–11:00 AM
Friday, May 8	7:00 AM–3:45 PM

POSNA MEMBERSHIP REQUIREMENT

Full attendance at the 2026 Annual Meeting fulfills your POSNA membership meeting attendance requirement.



BIOMÉRIEUX

DON'T LET THEM MISS A STEP.

Pediatric joint infections can progress rapidly, making early, accurate pathogen identification essential for protecting growing joints.*



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The BIOFIRE® Joint Infection (JI) Panel tests for a comprehensive grouping of gram-positive and gram-negative bacteria, yeast, and antimicrobial resistance genes commonly associated with joint infections.

*Copley L, Lee G, Villani M, Tareen N, Filkins LM. Performance evaluation of a commercial multiplex pathogen panel for the diagnosis of pediatric joint infections. J Clin Microbiol. 2025 Jul 9;63(7):e0027825. doi: 10.1128/jcm.00278-25. Epub 2025 Jun 2. PMID: 40454835; PMCID: PMC12239719.



**BIOFIRE®
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PANEL**

**To learn more about the BIOFIRE
JI Panel, visit us at the table #18.**





A Growing Program for Growing Bones

POSNA leadership positions for Stanford faculty:

Kevin Shea, MD, outgoing president

Meghan Imrie, MD, Fellowship Accreditation Oversight Committee Chair, Ex Officio

John Vorhies, MD, is the annual meeting program committee chair and is an at-large member of the board

2026 Annual Meeting poster:

The Glenoid Track Width is Smaller Under Dynamic Loading Conditions during Functional Daily Activities: A Finite Element Analysis Study—**Charles Chan, MD**



Learn more



OPENING EVENT



You're in for an Extraordinary Evening Where Thrills Meet Wonder!

Wednesday, May 6, 2026

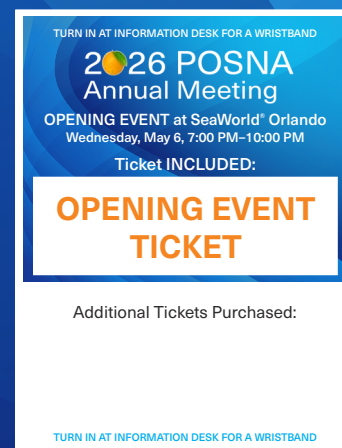
7:00 PM–10:00 PM

SeaWorld® Orlando

Enjoy food, drinks, and entertainment while exploring iconic attractions, like **Antarctica: Empire of the Penguin®**. Amp up the excitement with legendary coasters – soar like a ray on **Manta®**, Florida's only flying roller coaster, or **Kraken®**, Orlando's only floorless coaster with soaring heights and dangling feet!

New This Year! The cost to attend the Opening Event is included in your registration fee! Exhibitors and non-registered guests may purchase a ticket for \$150 at the Registration Desk.

All registered attendees will receive an Opening Event ticket with their badge. You must exchange this ticket at the registration desk for a wristband. **Wristbands are required to board the shuttles.**



Shuttle Schedule

- | | |
|----------|---|
| 6:30 PM | Shuttles begin loading outside of Panzacola G |
| 6:45 PM | First shuttle departs for SeaWorld® Orlando |
| 8:00 PM | First shuttle departs from SeaWorld® Orlando back to Rosen Shingle Creek® |
| 10:15 PM | Last shuttle departs from SeaWorld® Orlando back to Rosen Shingle Creek® |

PROGRAM AT A GLANCE

MOBILE APP

ePosters

TUESDAY, MAY 5

ROOM

2:00 PM–6:00 PM	Registration Open	Gatlin 1 Registration
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WEDNESDAY, MAY 6

ROOM

7:00 AM–4:00 PM	Exhibit Hall Open	Gatlin B
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7:00 AM–5:00 PM	Registration Open	Gatlin 1 Registration
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7:00 AM–8:00 AM	Breakfast & Exhibit Viewing	Gatlin B
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8:00 AM–8:26 AM	Opening Ceremony	Gatlin C
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8:27 AM–9:44 AM	Session 1. Trauma: Supracondylar Fractures—Pathways, Pitfalls, and Pain Control	Gatlin C
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9:45 AM–10:30 AM	Howard Steel Lecturer	Gatlin C
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10:35 AM–10:55 AM	Mid-Morning Break & Exhibit Viewing	Gatlin B
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11:00 AM–12:15 PM	Session 2. (Concurrent)	
	A. Spine: Avoiding and Navigating Complications	Gatlin C
	B. Hip: DDH in Infancy—Imaging, Bracing, and Beyond	Gatlin D
	C. Syndromes and Dysplasias: Biologics, Bones, and Growth	Conway
	D. Billing & Coding: Practical Strategies in Pediatric Orthopaedics	Butler

12:15 PM–2:15 PM	Lunch Break (On Your Own)	
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12:30 PM–2:05 PM	POSNA Member Business Meeting (open to POSNA members only)	Gatlin E3-5
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2:15 PM–3:30 PM	Session 3. (Concurrent)	
	A. Spine: Optimizing Pain Pathways in AIS and Advances in Neuromuscular Scoliosis	Gatlin C
	B. Sports: Patellofemoral Instability, Cartilage Lesions, and ACL Recovery	Gatlin D
	C. Congenital Foot Deformities: From Coalitions to Clubfoot	Conway
	D. Case Conundrums in the Pediatric Upper Extremity	Butler

3:35 PM–3:55 PM	Afternoon Break & Exhibit Viewing	Gatlin B
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4:00 PM–5:15 PM	Session 4. (Concurrent)	
	A. Neuromuscular: Lengthening, Releases, and Muscle Biology	Gatlin D
	B. Practice Improvement Potpourri: Infection, Pathways, and Pedagogy	Gatlin C
	C. Hand/Upper Extremity: Brachial Plexus, Limb Differences, and Overuse Elbows	Conway
	D. Case Reports: Tumor, Infection, and Syndromic Deformity	Butler

7:00 PM–10:00 PM	Opening Event (Off-site)	Seaworld® Orlando
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THURSDAY, MAY 7

ROOM

7:00 AM–12:00 PM	Exhibit Hall Open	Gatlin B
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7:00 AM–12:30 PM	Registration Open	Gatlin 1 Registration
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7:00 AM–8:00 AM	Breakfast & Exhibit Viewing	Gatlin B
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PROGRAM AT A GLANCE

THURSDAY, MAY 7 CONTINUED		ROOM
8:00 AM–9:40 AM	Session 5. (Concurrent) A. Spine: Evolution of AIS Care—Fusion Strategies to Tethering B. Sports: ACL and Meniscus C. Hip: Perthes to PAO—Evolving Strategies in Hip Preservation D. Negotiation Strategies for the Pediatric Orthopaedic Surgeon	Gatlin D Gatlin C Conway Butler
9:45 AM–10:05 AM	Mid-Morning Break & Exhibit Viewing	Gatlin B
10:00 AM–11:00 AM	Peds Ortho Podcast: Live from POSNA! A Conversation About the SRS-Lenke-Aubin 3D Classification	Butler
11:00 AM–11:14 AM	Hall of Fame	Gatlin C
11:15 AM–11:19 AM	Special Effort & Excellence Award	Gatlin C
11:20 AM–12:25 PM	Lead Like Lori Lecture	Gatlin C
12:45 PM–2:15 PM	Forging Connections: POSNA Community Surgeons' Social	Butler
2:00 PM–4:00 PM	KIDS Forum	Gatlin E3-5
FRIDAY, MAY 8		ROOM
7:00 AM–3:35 PM	Exhibit Hall Open	Gatlin B
7:00 AM–4:00 PM	Registration Open	Gatlin 1 Registration
7:00 AM–8:00 AM	Breakfast & Exhibit Viewing	Gatlin B
8:00 AM–8:20 AM	Presidential Speaker	Gatlin C
8:20 AM–10:00 AM	Session 6. Award-Nominated Papers Part 1	Gatlin C
10:05 AM–10:25 AM	Mid-Morning Break & Exhibit Viewing	Gatlin B
10:30 AM–11:53 AM	Session 7. Award-Nominated Papers Part 2	Gatlin C
11:54 AM–12:15 PM	Distinguished Achievement Award	Gatlin C
12:15 PM–12:20 PM	2027 Meeting Preview	Gatlin C
12:20 PM–12:30 PM	Humanitarian Award	Gatlin C
12:30 PM–12:35 PM	2026 Scientific Awards	Gatlin C
12:35 PM–12:45 PM	Presidential Transfer	Gatlin C
12:50 PM–1:55 PM	Lunch Break (On Your Own)	
2:00 PM–3:15 PM	Session 8. (Concurrent) A. Trauma: Focus on the Upper Extremity B. Spine: Early Onset Scoliosis C. Case Files in Lower Extremity Trauma and Reconstruction D. Practical Approaches to Complications and Medicolegal Issues in Pediatric Orthopaedics	Gatlin C Gatlin D Conway Gatlin E3-5
3:15 PM–3:35 PM	Afternoon Break & Exhibit Viewing	Gatlin B
3:40 PM–4:50 PM	Session 9. Trauma: Lower Extremity Fractures JPOSNA® Spotlight Papers	Gatlin D
5:00 PM–6:00 PM	Farewell Reception	Gatlin Terrace

*Program subject to change



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Back row from left to right:

Keith J. Orland, M.D.

Benjamin W. Sheffer, M.D.

Stephanie Chen, M.D.

Front row from left to right:

Derek M. Kelly, M.D. (Current IPOS® Director)

Jeffrey R. Sawyer, M.D. (Past President of POSNA)

David D. Spence, M.D.

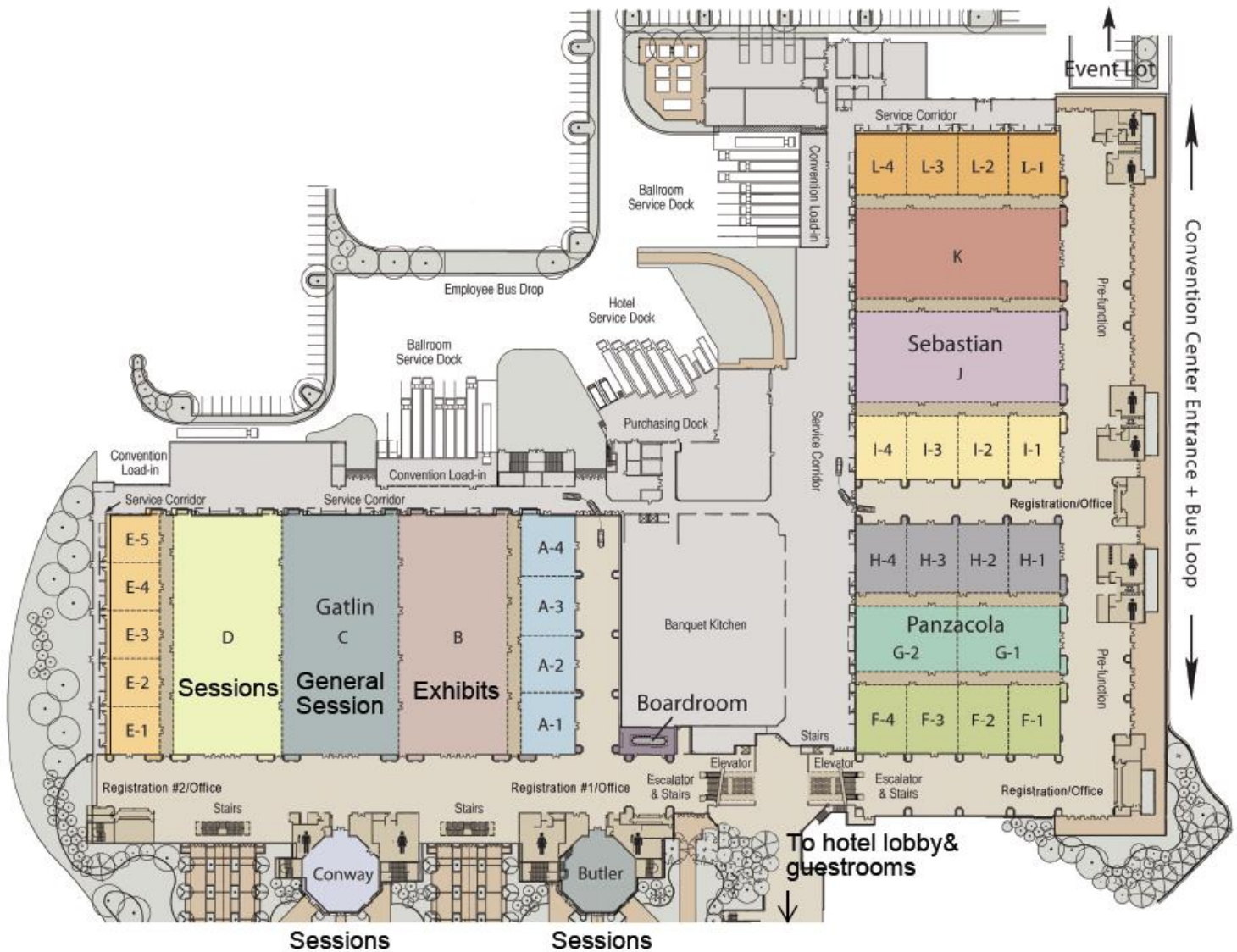
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POSNA HALL OF FAME

Until the 1960s, no orthopaedist limited their practice to children. The POSNA Hall of Fame provides an enduring history to honor those POSNA members who have displayed dedication to the Pediatric Orthopaedic Society of North America, teaching and mentoring, studying musculoskeletal conditions in children, and caring for children with musculoskeletal conditions.

Nominations for members are accepted each fall and selected by the Awards Committee and members of the Hall of Fame. Hall of Fame Categories: Leadership, Diversity, Teacher, Humanitarian, Hero, Triumph over Adversity, Pioneer, Contributions to Literature, Home Person (one who does the real work while others go to meetings), Foxhole Buddy (reliable person when the stakes are high), and Exceptional Clinician.

POSNA Service Eligibility: POSNA member for at least 15 years, minimum age of 60 years.

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Fame inductees.



2026 INDUCTEES



Michael Ain, MD



Laurel Blakemore, MD



Henry G. Chambers, MD



John Herzenberg, MD



B. Stephen Richards, MD



David A. Spiegel, MD



C. Douglas Wallace, MD



John "Jack" Flynn, MD

DISTINGUISHED ACHIEVEMENT AWARD

JOHN "JACK" FLYNN, MD

Dr. John "Jack" Flynn is the Chief of Orthopaedic Surgery at The Children's Hospital of Philadelphia and Professor of Orthopaedic Surgery at the University of Pennsylvania. Dr. Flynn's clinical focus includes spine deformity, early onset scoliosis/thoracic insufficiency, fractures, and hip disorders. He is the author of over 300 peer-reviewed papers, reviews, and chapters, and an editor of the seminal texts in pediatric orthopaedics: Lovell and Winter's Pediatric Orthopaedics, Rockwood's Fractures in Children, Operative Techniques in Pediatric Orthopaedics and Staying Out of Trouble in Pediatric Orthopaedics. A winner of multiple teaching awards, Dr. Flynn lectures nationally and internationally on management of spinal disorders, pediatric fracture care, safety and value in spine care, and life-work integration for surgeons. He has been inducted into the POSNA Hall of Fame and the University of Pennsylvania's School of Medicine Academy of Master Clinicians.

Dr. Flynn has served as Chair of IPOS® from 2007 to 2012, President of POSNA, President of the Pediatric Spine Foundation, Vice President of ABOS, and Chair of the AAOS CME Courses Committee. He currently serves on the JBJS Board of Trustees.



Aristides I. Cruz Jr.,
MD, MBA

POSNA SPECIAL EFFORT AND EXCELLENCE AWARD

ARISTIDES I. CRUZ JR., MD, MBA

Aristides I. Cruz Jr., MD, MBA, specializes in the treatment of orthopaedic and sports medicine conditions in children, adolescents, and young adults. Prior to coming to the Sports Medicine Division at Boston Children's Hospital, he was an Associate Professor of Orthopedic Surgery at The Warren Alpert Medical School of Brown University. He is currently an Associate Professor of Orthopedic Surgery at Harvard Medical School. In addition to holding various current and past leadership positions in professional societies, he serves as the Deputy Editor for Research for the Journal of the Pediatric Orthopaedic Society of North America (JPOSNA®).

Dr. Cruz completed his residency in Orthopedic Surgery at Yale-New Haven Hospital/Yale University in New Haven, CT. After residency, he served in the United States Air Force as an Orthopaedic Surgeon where he was honored with multiple awards including the Air Force Commendation medal. After being honorably discharged, Dr. Cruz furthered his training, completing a fellowship in Pediatric Orthopedic Surgery at The Children's Hospital of Philadelphia. Dr. Cruz also earned his Master of Business Administration from Brandeis University's Heller School for Social Policy and Management, Physician Executive MBA program.

This award is in recognition of Dr. Cruz's six years of service to JPOSNA®, including his role as the founding Subsection Editor in sports medicine and his subsequent promotion to Deputy Editor for Research, where he developed, facilitated, and refined the blinded peer review process.

HUMANITARIAN AWARD MARTIN J. HERMAN, MD

Dr. Martin J. Herman is currently Drexel University College of Medicine Professor of Orthopedic Surgery and Pediatrics and Department Chair and the Surgeon-in-Chief and Section Chief of Orthopedic Surgery at St. Christopher's Hospital for Children (SCHC), Philadelphia, PA.

He has dedicated his life to the children of North Philadelphia, approaching 30 years as an attending pediatric orthopaedic surgeon at SCHC. This hospital is in the fifth poorest zip code in the entire United States, and nearly 85% of patients treated at SCHC are covered by government-sponsored insurance or are uninsured; the city of Philadelphia, and North Philadelphia in particular, have been most recently grappling with stratospheric gun violence and drug abuse in the surrounding community.

The patients and families who seek care at SCHC are in some of the direst straits in our nation; their needs and the complexity of their care extend far beyond their orthopaedic diagnoses. The hospital itself is in many ways the only safety net for these families—and certainly the only place that many of them can receive care—yet it is perennially under-resourced and under-funded. Dr. Herman's devotion to these patients and this region has been instrumental in maintaining high-quality orthopaedic care to patients in this resource-depleted environment.



Martin J. Herman, MD

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Nate Lempert, Craig Louer, Kevin Dale, Courtney Baker, David Ebenezer, Alex Diamond, Caitlyn Mooney*

OPENING CEREMONY

8:00 AM–8:26 AM

Room: Gatlin C

8:00 AM–8:09 AM

Welcome

POSNA President: Kevin Shea, MD

Local Host: John Lovejoy, MD

8:10 AM–8:15 AM

Introductions

- International Guests
- Traveling Fellows
- POGO Visiting Scholars
- Distinguished Achievement Award Recipient
- Presidential Speaker
- New Members: Class of 2026
- 2025-2026 Board of Directors

8:16 AM–8:26 AM

Recognition of Industry Sponsors

SESSION 1. TRAUMA:
SUPRACONDYLAR FRACTURES—
PATHWAYS, PITFALLS, AND
PAIN CONTROL

8:27 AM–9:44 AM

Room: Gatlin C

Moderators: Eric Edmonds, MD & Amy McIntosh, MD

8:27 AM–8:32 AM

Welcome

#1

8:33 AM–8:37 AM

Surgical Management of Flexion-Type Supracondylar Humerus Fractures

Kyle Bundschuh; **Nicholas**

Fletcher, MD

Children's Healthcare of Atlanta

Atlanta, GA, United States

#2

8:38 AM–8:42 AM

Pulse Oximetry for Assessment of Pulseless Perfused Supracondylar Humerus Fractures

Peter Cirrincione; Raheel Yaseen;

John Carroll; Angielyn San Juan;

David Roberts, MD

Endeavor Health Skokie Hospital

Chicago, IL, United States

#3

8:43 AM–8:47 AM ♦

Twisted! Does Residual Malrotation Following Percutaneous Pinning of Pediatric Supracondylar Humerus Fracture Impact Long-Term Patient-Reported Outcomes?

Stefano Cardin, MD; Scott Mahon, BS;

Casey Kuka; Amanda Pang; Divya Jain;

Apurva Shah, MD, MBA

Children's Hospital of Philadelphia

Philadelphia, PA, United States

8:48 AM–8:56 AM

Discussion

#4

8:57 AM–9:01 AM

The Safety and Efficacy of Provisional Reduction in the Emergency Department for Displaced Supracondylar Humerus Fractures With Soft Tissue Compromise or Vascular Asymmetry

Laura Bess; Paraskevi Limberatos;

Spencer Richardson; Robert Tysklind;

Robert Bielski, MD

Indiana University

Indianapolis, IN, United States

#5

9:02 AM–9:06 AM

Age-Stratified Imaging Stewardship in Pediatric Supracondylar Humerus Fracture

Errol Mortimer, MD

UMass Memorial Health

Worcester, MA, United States

#6

9:07 AM–9:11 AM

Beneath the Surface: Unveiling Risk Factors for Fishtail Deformity Following Pediatric Supracondylar Humerus Fractures

Andrew Kim; Robyn Joan Gawlik; Eric

Edmonds, MD; Sulagna Sarkar; Scott

Mahon, BS; **Brendon Mitchell;**

Apurva Shah, MD, MBA

Children's Hospital of Philadelphia

Philadelphia, PA, United States

9:12 AM–9:20 AM

Discussion

#7

9:21 AM–9:25 AM

"SPEED" an Outpatient Surgical Pathway Reduces Inpatient Stays and NPO Times for Urgent Pediatric Fractures

Malini Anand; Megan Terle; Brian Haus,

MD; Amanda Whitaker, MD;

Holly Leshikar, MD, MPH

University of California, Davis

Sacramento, CA, United States

#8

9:26 AM–9:30 AM

Breaking the Habit: A Multicenter Experience Following Discontinuation of Postoperative Opioid Analgesia for Supracondylar Humerus Fractures

Kevin Orellana; Scott Mahon, BS; Apurva

Shah, MD, MBA; **Todd Blumberg, MD**

Seattle Children's Hospital

Seattle, WA, United States

#9

9:31 AM–9:35 AM

Relief Without Risk: Ketorolac Can be Used for Pain Control in Pediatric Fracture Patients Without Increased Nonunion Risk

Simon Blanchard; Edward Dockery;

Ismael Cañete; Jason Anari, MD; Keith

Baldwin, MD; Apurva Shah, MD, MBA

Children's Hospital of Philadelphia

Philadelphia, PA, United States

9:36 AM–9:44 AM

Discussion



HOWARD STEEL LECTURER

9:45 AM–10:30 AM

Room: Gatlin C

9:45 AM–9:49 AM

Introduction

Kevin Shea, MD

9:50 AM–10:30 AM

Howard Steel Lecturer

From Exam Rooms to iPhones:
Lessons From the Front Lines
of Health

Dr. Mike Evans, a physician-innovator
and professor of family medicine at
the University of Toronto, is known

for bridging
medicine,
public
education,
and human-
centered
technology.

Creator of the “Med School for
the Public” with over 35 million
learners worldwide, he has been
featured in *JAMA*, *The Lancet*, and
BMJ. A former Olympic physician
and early doctor at Apple, he now
advises leading companies on how
technology can help people live
better lives.



Scott Luhmann, MD

*Washington University in St. Louis
St. Louis, MO, United States*

#15

11:37 AM–11:41 AM

**A Paradigm Shift in Delivering Safe
Spine Deformity Surgery: Towards the
Utilization of Artificial Intelligence for
Intraoperative Neuromonitoring**

Daniel Sucato, MD, MS; *Michelle
Christie, MD*; *Tiffany Lo*; *Rudy Avila*;
Hannah Shreiner; *David Thornberg*;
Marjorie Zielke
Scottish Rite for Children
Dallas, TX, United States

11:42 AM–11:50 AM Discussion

#16

11:51 AM–11:55 AM

**Utility of Limited Sequence “FAST
Spine MRI” Scans as a Screening Tool
in Patients With Idiopathic Scoliosis**

Anna Rambo, MD; *Aryan Shah*; *Chetan
Shah*; *John Lovejoy, MD*; *Vinay Kandula*;
Brett Shannon, MD; *Mona Mathew*;
Suken Shah, MD; *Kevin Neal, MD*
Nemours Children’s Hospital, Florida
Jacksonville, FL, United States

#17

11:56 AM–12:00 PM

**Low Utility of Pre-Operative
Cardiology Referrals in Adolescent
Idiopathic Scoliosis Using a Cutoff of
Cobb >70 Degrees**

Alyssa Barré, MD; *Andrew Kirk*; *Ryan
Muchow, MD*; *Aamir Kadri*; *Vishwas
Talwalkar, MD*; **Vincent Prusick, MD**
University of Kentucky
Lexington, KY, United States

#18

12:01 PM–12:05 PM

**Quantifying O-arm Radiation
Exposure to Operating Room
Personnel During Spinal Fusion for
Adolescent Idiopathic Scoliosis Using
Real-Time Dosimetry**

Preston Jenkins; *Elizabeth Nadeau*;
Sarah Jenkins; *Kola George*; *Gabrielle
Rauls*; *Robert Murphy, MD*; **Sara Van
Nortwick, MD**
Medical University of South Carolina
Charleston, SC, United States

12:06 PM–12:14 PM Discussion

SESSION 2A. SPINE: AVOIDING AND NAVIGATING COMPLICATIONS

11:00 AM–12:15 PM

Room: Gatlin C

**Moderators: Jennifer Bauer, MD, MS
& Todd Ritzman, MD**

11:00 AM–11:02 AM Introduction

#10

11:03 AM–11:07 AM

**Navigating the Fallout: How Pediatric
Spine Surgeons Cope, Recover,
and Persevere After Major Surgical
Complications**

Richard Schwend, MD; *Hannah
Geoffroy*; *Sandeep Yanamala*; *Firas
Batrash*; *Gary Sutkin*
The Children’s Mercy Hospital
Kansas City, MO, United States

#11

11:08 AM–11:12 AM

**PDSA Pathway Power: Tiny Cycles,
Giant Steps Against SSIs**

Kali Tileston, MD; *Meghan Imrie, MD*;
James F. Policy, MD; *John Vorhies, MD*
Stanford Health Care
Palo Alto, CA, United States

#12

11:13 AM–11:17 AM

**Be Careful What You Ask For: Few
Patients Meet Mean Arterial Pressure
(MAP) Goals After Intraoperative
Neuromonitoring (IONM) Changes
During Pediatric Scoliosis Surgery**

Michaela O’Connor; *Michael Brown*;
Mehdi Elfilali; *Alexander Park*; *Joshua
Choi*; *Josephine Coury*; *Benjamin Roye,
MD*; **Michael Vitale, MD, MPH**
*New York-Presbyterian/Columbia
University Irving Medical Center*
New York, NY, United States

11:18 AM–11:26 AM Discussion

#13

11:27 AM–11:31 AM ★ ◆

**Dynamic Spinal Cord Mapping:
A Study of Accuracy, Sensitivity, and
Specificity in Localizing Spinal Cord
Injury Using an Animal Model**

Allen Kadado, MD; *Adam Mansour*;
Daryn Strub, BA; *Josiah Wolf, MD*;
Kirsten Tulchin-Francis, PhD; *Mutaleeb
Shobode*; *Reid Chambers, DO, MS*
Nationwide Children’s Hospital
Columbus, OH, United States

#14

11:32 AM–11:36 AM

**Influence of Baseline IONM Data
Quality on Neuromonitoring
Performance and Surgical Actions in
Pediatric Spinal Deformity Surgery**

Christopher Bozorgmehr; *Leah Rakers*;

◆ Research supported by POSNA grant

★ Indicates a presentation in which the FDA has not cleared the drug and/or medical device for the use described

SESSION 2B. HIP:
DDH IN INFANCY—IMAGING,
BRACING, AND BEYOND

11:00 AM–12:15 PM

Room: Gatlin D

Moderators: Rachel Goldstein, MD & V. Salil Upasani, MD

11:00 AM–11:02 AM Introduction

#19

11:03 AM–11:07 AM

Lessons Learned from a Prospective, International, Multicentre Cohort: Evaluating Treatment Effectiveness and Predicting Persistent Hip Dysplasia Using Statistical Shape Modelling

Maartje Van Delden; Harrie Weinans; Anne Spaans; Emily Schaeffer, PhD; **Kishore Mulpuri, MBBS, MHSc, FRCSC**; Ralph Sakkars, MD, PhD; Global Hip Dysplasia Study Group BC Children's Hospital Vancouver, BC, Canada

#20

11:08 AM–11:12 AM

Ultrasound-Based Global Risk Stratification for Hip Dysplasia: Evidence Synthesis and Geographic Variations in 1,015,019 Infants

Chien-An Shih; Jou-Hua Wang; Chii Lin, MD; NCKUH DDH DSC Team National Cheng Kung University Hospital Tainan, Taiwan

#21

11:13 AM–11:17 AM

Combined Version Strongly Predicts Femoral Head Coverage Greater Than Femoral or Acetabular Version Alone in Hip Dysplasia

David Liu, MD; Miles Batty, MD; Mahdi Aghaalkhani; Shanika De Silva; Tara Kirchman; Travis Matheney, MD; Michael Millis, MD; Young Kim, MD; Mohammadreza Movahhedi; Ata Kiapour, PhD, MMSc Boston Children's Hospital Boston, MA, United States

11:18 AM–11:26 AM Discussion

#22

11:27 AM–11:31 AM

The Next Dimension: Addition of 3D Ultrasound Measurements Better Predicts Residual Acetabular Dysplasia Following Successful Pavlik Treatment of DDH Compared to 2D Metrics Alone

Simon Blanchard; Carter Hall; Adam McArthur; Sulagna Sarkar; Jacob Jaremko; **Wudbhav Sankar, MD** Children's Hospital of Philadelphia Philadelphia, PA, United States

#23

11:32 AM–11:36 AM

Developmental Dysplasia of the Hip at 6-Month Screening Pelvic Radiographs Following Normal 6-Week Ultrasound in Breech Infants

Samuel Beber; Ethan Scher; Daniel Math; Sarah Lu; Jennifer Kunes; Katherine Groff; Abigail Allen, MD; David Scher, MD; **Shevaun Doyle, MD** Hospital for Special Surgery New York, NY, United States

#24

11:37 AM–11:41 AM

When Normal Is Not the End: Late Developmental Dysplasia of the Hip at Six Months in Infants With Early Risk Factors and Physiologic Hip Immaturity (Graf IIA) With a Normal Ultrasound at Three Months

David Liu, MD; Miles Batty, MD; Tara Kirchman; Freya Gupta; Shanika De Silva; Young Kim, MD; Eduardo Novais, MD Boston Children's Hospital Boston, MA, United States

11:42 AM–11:50 AM Discussion

#25

11:51 AM–11:55 AM

Pavlik Treatment for Developmental Dysplasia of the Hip Is Associated With Elevated Rates of Maternal Depression, Impaired Maternal-Infant Bonding, and Parenting Stress

William Morris, MD; Emily Gale; Lauren Osborne; Elizabeth Hubbard, MD; James Ogbeide; Harry Kim, MD; Corey Gill, MD Scottish Rite for Children Dallas, TX, United States

#26

11:56 AM–12:00 PM

Pushing Past the Palsy: Treatment of Infantile DDH After Femoral Nerve Palsy

Elizabeth Wacker, MD; Carter Hall; Meg Morro; Nakul Talathi, MD; Christopher DeFrancesco, MD; Wudbhav Sankar, MD Children's Hospital of Philadelphia Philadelphia, PA, United States

#27

12:01 PM–12:05 PM

Spinal Anesthesia: A Safe and Effective Alternative to General Anesthesia for Infantile DDH Surgery

Alex Gornitzky, MD; Ashlee Holman; Carter Hall; Meryl William; Wudbhav Sankar, MD; Ira Zaltz, MD University of Michigan Ann Arbor, MI, United States

12:06 PM–12:14 PM Discussion

SESSION 2C. SYNDROMES AND
DYSPLASIAS: BIOLOGICS,
BONES, AND GROWTH

11:00 AM–12:15 PM

Room: Conway

Moderators: Elizabeth Hubbard, MD & L. Reid Nichols, MD

11:00 AM–11:02 AM Introduction

#28

11:03 AM–11:07 AM

Can't Blame the Bone: Guided Growth in Patients With Osteogenesis Imperfecta Has Similar Rates of Correction and Complications to Patients With Idiopathic Causes

Miranda Brake; Hyrum Judd; Bryan Menapace, MD, MBA; Jennifer Weiss, MD; **Cynthia Nguyen, MD** Shriners Children's Southern California Pasadena, CA, United States

#29

11:08 AM–11:12 AM ★

Improvements in Lower Extremity Alignment are Associated With Physical Functioning in Children With Achondroplasia Treated With Navepegitide: 52-Week Results from the ApproaCH Trial

Kevin Smit, MD; Leanne Ward; Daniel Hoernschemeyer, MD; Philippe

Campeau; Sasha Carsen, MD, FRCSC; Andrew Tice, MD; Stefan Jackowski; Aimee Shu; Janet Legare; Hanne Hove; Carlos Bacino; Maya Scharke; Ciara McDonnell; M. Abuzzahab; Michael Makara; Michael Ominsky; Lærke Clement Freiberg; Meng Mao; Ravi Savarirayan
Children's Hospital of Eastern Ontario
Ottawa, ON, Canada

#30
11:13 AM–11:17 AM
Effect of Vosoritide on Genu Varum in Children With Achondroplasia: 1-Year Results From Two Randomized Placebo-Controlled Studies
Klane White, MD; Melita Irving; Swati Mukherjee; Christine Rivat; Ian Sabir; Anne Dee; Ravi Savarirayan
Children's Hospital Colorado
Aurora, CO, United States

11:18 AM–11:26 AM Discussion

#31
11:27 AM–11:31 AM
Humeral Lengthening in Patients With Achondroplasia: Surgical Technique to Minimize Risk of Radial Nerve Palsy
Michael Brown; Arun Hariharan, MD, MS; **Aaron Huser, DO;** David Feldman, MD
Paley Orthopedic & Spine Institute
West Palm Beach, FL, United States

#32
11:32 AM–11:36 AM
Two-Year Structural Skeletal Outcomes of Burosumab Therapy in Pediatric X-linked Hypophosphatemia: A Radiographic Cohort Study
Mi Hyun Song; Wonik Lee; Chang Ho Shin, MD; Tae-Joon Cho, MD
Seoul National University Hospital
Seoul, South Korea

#33
11:37 AM–11:41 AM
Lower Extremity Rotational and Coronal Plane Parameters Are Relatively Stable by Eight Years of Age Using CT Scanning in a Random Decedent Cohort
Moiz Nasir; Kallie Chen; Amrita Bonthu; **Raymond Liu, MD**
University Hospitals Cleveland Medical Center
Cleveland, OH, United States

11:42 AM–11:50 AM Discussion
#34
11:51 AM–11:55 AM
Bone Union and Quality of Life after the Congenital Pseudarthrosis of the Tibia – Mid-Term Results
Milud Shadi, MD, PhD; Piotr Janusz, MD, PhD; Tomasz Kotwicki
Poznan University of Medical Sciences,

Department of Spine Disorders and Pediatric Orthopedics
Poznan, Poland

#35
11:56 AM–12:00 PM
Growing Pains Aren't Cancer: Rethinking MRI for Pediatric Osteochondromas
Saurav Pandey; Shanika De Silva; Neha Jejurikar; Sarah Ballatori; **Carrie Heincelman;** Megan Anderson, MD; Mark Gebhardt, MD
Boston Children's Hospital
Boston, MA, United States

#36
12:01 PM–12:05 PM ♦
MEK Inhibitor Treatment Improves Pseudarthrosis Healing Associated With the Osteofibrous Dysplasia RASopathy
Aysha Khalid, PhD; Kristin Denton; Nandina Paria; Meghan Wassell; Robert Hammer; John Ritter; Mylinh Nguyen; David Podeszwa, MD; Laura Klesse; Carol Wise, PhD; **Jonathan Rios, PhD**
Scottish Rite for Children
Dallas, TX, United States

12:06 PM–12:14 PM Discussion

♦ Research supported by POSNA grant

2D. BILLING AND CODING: PRACTICAL STRATEGIES IN PEDIATRIC ORTHOPAEDICS

11:00 AM–12:15 PM
Room: Butler
Chairs: R. Dale Blasier, MD & Kevin Neal, MD, MBA

This breakout will provide a structured, practical approach to current billing and coding challenges in pediatric orthopaedics. The session will begin with expert presentations highlighting updates and universal strategies, followed by subspecialty-specific roundtables so attendees can focus on issues most relevant to their practice.

11:00 AM–11:03 AM
Introduction
R. Dale Blasier, MD & Kevin Neal, MD, MBA

11:04 AM–11:11 AM
Unlisted Codes
R. Dale Blasier, MD

11:12 AM–11:19 AM
Two Surgeon Coding
Ryan Muchow, MD

11:20 AM–11:27 AM
E&M vs CPT for Fracture
Benjamin Martin, MD, MBA

11:28 AM–11:35 AM
Leveraging Residents and APPs
Kevin Neal, MD, MBA

11:36 AM–11:45 AM
Panel Q&A

11:46 AM–12:05 PM
Small Group Discussion: Spine/Hip, Sports/Hand, Limb Deformity/Trauma, Neuromuscular/Foot and Ankle
Table Facilitators: R. Dale Blasier, MD; Hilda Kriel, MD; Craig Louer Jr., MD; Benjamin Martin, MD, MBA; Ryan Muchow, MD; Kevin Neal, MD, MBA; Scott Rosenfeld, MD; Burt Yaszay, MD

12:06 PM–12:15 PM
Highlights and Discussion
R. Dale Blasier, MD & Kevin Neal, MD, MBA

**POSNA
Business Meeting**

Members Only
12:30 PM–2:05 PM
Gatlin E3-5
Lunch provided

Agenda



**SESSION 3A. SPINE:
OPTIMIZING PAIN PATHWAYS
IN AIS AND ADVANCES IN
NEUROMUSCULAR SCLIOSIS**

2:15 PM–3:30 PM

Room: Gatlin C

Moderators: Michael Glotzbecker, MD, MSc & Selina Poon, MD

2:15 PM–2:17 PM Introduction

#37

2:18 PM–2:22 PM

Postoperative Dexamethasone Reduces Opioid Use in Adolescent Idiopathic Scoliosis: A Time-Dependent Analysis

Matthew Miyasaka; Constance Maglaras; Alon Shertzer; Juan Carlos Rodriguez Olaverri; **Mara Karamitopoulos, MD**
NYU Langone Health
New York, NY, United States

#38

2:23 PM–2:27 PM

Combined Liposomal Bupivacaine and Dexamethasone Results in a Fivefold Reduction of Inpatient Opioid Use Following PSF in AIS Surgery

K. Aaron Shaw, DO, FAAOS; Nicolette Saddler; Michon Huston; John Anderson, MD; Michael Benvenuti, MD; Ashley Sherman; Anne Stuedemann, MSN, NP, C
The Children's Mercy Hospital
Kansas City, MO, United States

#39

2:28 PM–2:32 PM

Does Intrathecal Morphine Injection Pre- or Post-Incision During

Posterior Spinal Fusion Affect Patient Outcomes?

Vishal Sarwahi, MBBS, MS; Alexander Morledge; Anabelle Cohen; Katherine Eigo; Effat Rahman; Viraj Sarwahi; Michelle Kars; Benita Liao; Yungtai Lo; Jon Paul DiMauro, MD; **Terry Amaral, MD**

Northwell Health
New Hyde Park, NY, United States

2:33 PM–2:41 PM Discussion

#40

2:42 PM–2:46 PM

Radiographic Progression of Scoliosis After Triradiate Cartilage Closure in Non-Ambulatory Cerebral Palsy: WHO Needs Continued Surveillance?

Satoshi Takada; Jason Howard, MD, FRCSC; Ali Asma; Alice Taylor; Anuj Gupta; M. Wade Shrader, MD
Nemours Children's Hospital, Delaware
Wilmington, DE, United States

#41

2:47 PM–2:51 PM

The Young and The Flexible: Predicting Curve Correction in Neuromuscular Scoliosis

Alastair Sterns; Jacquelyn Valenzuela-Moss; Tyler Tetreault, MD; Tiffany Phan; Tishya Wren, PhD; Ian Fletcher; Lindsay Andras, MD; **Michael Heffernan, MD**
Children's Hospital Los Angeles
Los Angeles, CA, United States

#42

2:52 PM–2:56 PM

The Association Between Sagittal Plane Parameters and Patient Reported Outcomes in Patients With Neuromuscular Scoliosis

Trinity Kronk; Hiroko Matsumoto, PhD; Walter Truong, MD; Ryan Fitzgerald, MD; Jessica McQuerry, MD; Richard Steiner; Brandon Ramo, MD; Pediatric Spine Study Group; **Lorena Floccari, MD**; Pediatric Spine Study Group
Akron Children's Hospital
Akron, OH, United States

2:57 PM–3:05 PM Discussion

#43

3:06 PM–3:10 PM

Is it Worth the Risk of a "Blown Save?" Calling in an Incision "Closer" May Increase Infection Rates in Pediatric Scoliosis Surgery

Ally Yang; Matthew Kanzler; Amy Noyes, CPNP; **Dominick Tuason, MD**
Yale New Haven Health
New Haven, CT, United States

#44

3:11 PM–3:15 PM

Determinants of Spinal Bracing Success in Mitigating Spine Deformity Progression in Spinal Muscular Atrophy (SMA)

Hiroko Matsumoto, PhD; Yuri Ota; Joyce Huang; Michael Hresko, MD; Ron El-Hawary, MD, MSc; Grant Hogue, MD; Craig Birch, MD; John Emans, MD; Dennis Anderson; Ryan Murdock, MD; Brian Snyder, MD
Boston Children's Hospital
Boston, MA, United States

#45

3:16 PM–3:20 PM

Effect of Scoliosis on Pulmonary Function in Spinal Muscle Atrophy (SMA)

Taylor Marie Adams, BS; Patricia Miller, PhD; Lennert Plasschaert, MD, MMSc; Ron El-Hawary, MD, MSc; Basil Darras; Robert Graham; **Brian Snyder, MD**
Boston Children's Hospital
Boston, MA, United States

3:21 PM–3:29 PM Discussion

**SESSION 3B. SPORTS:
PATELOFEMORAL INSTABILITY,
CARTILAGE LESIONS, AND
ACL RECOVERY**

2:15 PM–3:30 PM

Room: Gatlin D

Moderators: Jennifer Beck, MD & Corinna Franklin, MD

2:15 PM–2:17 PM Introduction

#46

2:18 PM–2:22 PM

Prediction of Contralateral Patellar Instability After Ipsilateral Medial Patellofemoral Ligament Reconstruction

Ali Asma; Samir Sharrak; Marcus Shelby, MD; Matthew Veerkamp; Shital Parikh, MD, FACS
Cincinnati Children's Hospital Medical Center
Cincinnati, OH, United States

#47

2:23 PM–2:27 PM ★

Medial Patellofemoral Ligament Reconstruction With Partial Patellar Tendon Medialization: A Low-Morbidity Alternative to Tibial Tubercle Osteotomy

Tyler Stavinocha, MD; Jonas Ravich; Rhianna Little, MD
Christus Children's Hospital
San Antonio, TX, United States

#48

2:28 PM–2:32 PM

Autograft Versus Allograft In Isolated Medial Patellofemoral Ligament Reconstruction for Patellofemoral Instability In Adolescents

Lasun Oladeji; Honor Paine; Matthew Veerkamp; Natalie Pahapill; Benton Heyworth, MD; Henry Ellis, MD; Daniel Green, MD; Eric Wall, MD; Philip Wilson, MD; Beth Shubin Stein; **Shital Parikh, MD, FACS**
Cincinnati Children's Hospital Medical Center
Cincinnati, OH, United States

2:33 PM–2:41 PM

Discussion

#49

2:42 PM–2:46 PM

The Lateral Trochlea Anterior Condyles Angle (Ltac) To Quantify Trochlear Dysplasia

Jason Brenner; Steven Henick; Mohamed Said; Leila Mehraban Alvandi, PhD; Edina Gjonbalaj; Yungtai Lo; Jacob Schulz, MD; Eric Fornari, MD; Benjamin Levy; **Mauricio Drummond, MD**
Montefiore Einstein
Bronx, NY, United States

#50

2:47 PM–2:51 PM

Agree to Disagree: Comparing Diagnostic Agreement Between Various Patellar Height Ratios Used in Adolescent Patients

Stone Streeter; Caroline Kim; Martha Kebeh; Sulagna Sarkar; John Schlechter, DO; Lauren Redler; Sean Waldron, MD; Megan Kuba, MD; Elise Bixby; Eileen Crawford; Stephanie Logterman, MD; Matthew Veerkamp; Shital Parikh, MD, FACS; **Brendan Williams, MD**; PRISM PF-RIG
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#51

2:52 PM–2:56 PM

A Radiographic Predictive Model for Distinguishing Mobile Trap Door Vs Locked Door Osteochondritis Dissecans Lesions of The Knee

Matthew Milewski, MD; Patricia Miller, PhD; Emma Gossman; Marc Tompkins; Greg Myer; The ROCK Group
Boston Children's Hospital
Boston, MA, United States

2:57 PM–3:05 PM

Discussion

#52

3:06 PM–3:10 PM

Clinical and Radiologic Outcomes of Matrix-Induced Autologous Chondrocyte Implantation in Pediatric Patients With Knee Cartilage Defects

Matthew Frederickson; Lydia McKeithan; Nicholas Stamatou; Michelle Scott; Christopher Fernainy; **Brian Haus, MD**
University of California, Davis
Sacramento, CA, United States

#53

3:11 PM–3:15 PM

Return to Impact and Athletic Activities During Treatment of Stable Osteochondritis Dissecans Lesions of the Knee

Pranav Rajaram; Samuel Rosenberg; **Eileen Crawford**
University of Michigan
Ann Arbor, MI, United States

#54

3:16 PM–3:20 PM

Adolescent Females Meet Return to Sport Criteria at Lower Rates Than Males 9 Months Post-ACL Reconstruction

Mia Caminita; Samantha Collins; Kevin McGuinness; Jack Parker; Samantha Allen; Chelsey Bowman; **Emily Niu, MD**
Children's National
Washington DC, United States

3:21 PM–3:29 PM

Discussion

SESSION 3C. CONGENITAL FOOT DEFORMITIES: FROM COALITIONS TO CLUBFOOT

2:15 PM–3:30 PM

Room: Conway

Moderators: Jaime Rice Denning, MD, MS & Maryse Bouchard, MD, MSc, FRCSC

2:15 PM–2:17 PM

Introduction

#55

2:18 PM–2:22 PM

Factors Associated With Unplanned Surgery Following Tarsal Coalition Resection: A Multicenter Study

Muhammad-Amin Munshi; Rohit Siddabattula; Jaime Rice Denning, MD, MS; Alexandre Arkader, MD; Derek Kelly, MD, FAAOS, FAOA; Emily Cidambi, MD; Coleen Sabatini, MD, MPH; Alpesh Kothari, MA, BM, BCh, AFHEA, MSc, DPhil, FRCS; Mike Tretiakov, MD; Maryse Bouchard, MD, MSc, FRCSC; **Pooya Hosseinzadeh, MD**; PediFoRG
Washington University in St. Louis
St. Louis, MO, United States

#56

2:23 PM–2:27 PM

Outcomes of Minimally Invasive Versus Open Surgeries for Juvenile Hallux Valgus: A Multicenter Retrospective Study

Samhita Kadiyala; Winnie, Tzu-Hsuan Lin; Haley Leider; Rusty Hartman; Christian Delayun; Sang Won Lee; Patricia Miller, PhD; Anthony Riccio, MD; Maryse Bouchard, MD, MSc, FRCSC; **Collin May, MD, MPH**
Boston Children's Hospital
Boston, MA, United States

#57

2:28 PM–2:32 PM

Factors Associated With Pain Following Tarsal Coalition Resection: A Multicenter Study

Muhammad-Amin Munshi; Rohit Siddabattula; Jaime Rice Denning, MD, MS; Alexandre Arkader, MD; Derek Kelly, MD, FAAOS, FAOA; **Emily Cidambi, MD**; Coleen Sabatini, MD, MPH; Alpesh Kothari, MA, BM, BCh, AFHEA, MSc, DPhil, FRCS; Mike Tretiakov, MD; Maryse Bouchard, MD, MSc, FRCSC; Pooya Hosseinzadeh, MD; PediFoRG
Washington University in St. Louis
St. Louis, MO, United States

2:33 PM–2:41 PM

Discussion

#58

2:42 PM–2:46 PM

Can We Predict Need for Forefoot Narrowing Surgery in Split Foot Malformation? A Multicenter Review

Grace Markowski; Shelby White; David Westberry, MD; **Janet Walker, MD**
Shriners Children's Lexington
Lexington, KY, United States

#59

2:47 PM–2:51 PM

Surgical Treatment of Isolated Macrodactyly of the Foot: A 30-year Single-Site Study

Leslie Yuen; Patricia Miller, PhD; Winnie Tzu-Hsuan Lin; Susan Mahan, MD, MPH; Samantha Spencer, MD; James Kasser, MD; **Collin May, MD, MPH**
Boston Children's Hospital
Boston, MA, United States

#60

2:52 PM–2:56 PM

Classification For Surgical Decision-Making In Postaxial Polydactyly Of The Foot

Siang Hsu; Chia-Hsieh Chang, MD, PhD; Kai Yuan Cheng; Shih-Chia Jason Liu, MD
E-Da Hospital
Kaohsiung, Taiwan

2:57 PM–3:05 PM

Discussion

#61

3:06 PM–3:10 PM

Longterm Function following Index Nonoperative Treatment for Infantile Idiopathic Clubfoot Deformity

Kelly Jeans; Daniela Marletta; Sara De Salvo; **Anthony Riccio, MD**
Scottish Rite for Children
Dallas, TX, United States

#62

3:11 PM–3:15 PM

Does Clubfoot Bracing Cause Rotational Malalignment of the Uninvolved Leg in Unilateral Clubfoot?

Cheryl Lawing, MD; Sonia Garg; Joel Aguilera Flores; Caroline Bailey; Jacob Bailey
Shriners Children's Greenville
Greenville, SC, United States

#63

3:16 PM–3:20 PM

Characterizing the Association of Clubfoot Treatment With Maternal Depression, Infant Bonding, and Parental Stress and their Impact on Bracing Adherence

Emily Gale; **Corey Gill, MD**; Rusty Hartman; Ayana Fairweather; Anthony Riccio, MD; Elizabeth Hubbard, MD; William Morris, MD
Scottish Rite for Children
Dallas, TX, United States

3:21 PM–3:29 PM

Discussion

SESSION 3D. CASE CONUNDRUMS IN THE PEDIATRIC UPPER EXTREMITY

2:15 PM–3:30 PM

Room: Butler

Moderators: Donald Bae, MD & Christine Ho, MD

2:15 PM–2:17 PM

Introduction

Case 1

2:18 PM–2:20 PM

Isolated Radial Head Dislocation – Why Is It Special?

Saagar Patel; Muhayman Sadiq; Manickam Kumaravel; Rohini Vanodia; **Surya Mundluru, MD**
The University of Texas Health Science Center at Houston
Houston, TX, United States

2:21 PM–2:26 PM

Discussion

Case 2

2:27 PM–2:29 PM

Fracture to Forequarter: Pediatric Necrotizing Fasciitis Requiring Radical Surgical Source Control

Roy James; Alfred Kankam Jr.; **Caleb Grote, MD, PhD**; Kathryn Keeler, MD
The Children's Mercy Hospital
Kansas City, MO, United States

2:30 PM–2:35 PM

Discussion

Case 3

2:36 PM–2:38 PM

Irreducible Radial Head Dislocation Through a Split Brachialis Tendon

Errol Mortimer, MD; Andrea Bauer, MD
UMass Memorial Health
Worcester, MA, United States

2:39 PM–2:44 PM

Discussion

Case 4

2:45 PM–2:47 PM



Osteochondritis Dissecans (OCD) of the Humeral Head: A Pediatric Case Series

John Arvesen, MD; Antonia Dinulescu; Cody Todesco; Henry Ellis, MD
Scottish Rite for Children
Dallas, TX, United States

2:48 PM–2:53 PM

Discussion

Case 5

2:54 PM–2:56 PM

Varus Osteotomy for Proximal Humerus Partial Growth Arrest

Rachel Randall, MD
Marshfield Clinic
Marshfield, WI, United States

2:57 PM–3:02 PM

Discussion

Case 6

3:03 PM–3:05 PM

EPL Entrapment After Closed Reduction of Distal Radius Fracture

Bridget Ellsworth, MD
Medical College of Wisconsin
Milwaukee, WI, United States

3:06 PM–3:11 PM

Discussion

Case 7

3:12 PM–3:14 PM

Pediatric Coronoid-Deficient Elbow Reconstruction Using Iliac Crest Allograft: A Case Report

Mike Tretiakov, MD; Christian Shigley; Jonathan Yamaguchi
Seattle Children's Hospital
Seattle, WA, United States

3:15 PM–3:20 PM

Discussion

Case 8

3:21 PM–3:23 PM

Lateral Snapping Triceps Syndrome in an Adolescent Wrestler, Rare But Frequently Missed

Tyler Stavinoha, MD
Christus Children's
San Antonio, TX, United States

3:24 PM–3:29 PM

Discussion

**SESSION 4A. NEUROMUSCULAR:
LENGTHENING, RELEASES, AND
MUSCLE BIOLOGY**

4:00 PM–5:15 PM

Room: Gatlin D

**Moderators: M. Wade Shrader, MD &
Rachel Mednick Thompson, MD**

4:00 PM–4:02 PM Introduction

#64

4:03 PM–4:07 PM

**Additional Guided Growth Does
Not Provide Further Reduction in
Migration Percentage Compared with
Soft Tissue Release: A Prospective
Comparative Study in Spastic
Cerebral Palsy**

Cheng-Min Hsu; Szu-Yao Wang;
Hsuan-Kai Kao, MD; Chia-Hsieh
Chang, MD, PhD;
Chang Gung Medical Foundation
Taoyuan, Taiwan

#65

4:08 PM–4:12 PM

**The Association Between Anterior
Pelvic Tilt and Back Pain In Adults
With Cerebral Palsy**

Chris Church; Madison Lennon; Victoria
Hinchberger; Jose Salazar-Torres;
Nancy Lennon, MS, PT, DPT; **M. Wade
Shrader, MD**; Freeman Miller, MD;
Arianna Trionfo, MD; Jason Howard,
MD, FRCSC; Gait & Motion Analysis
Laboratory
Nemours Children's Health
Wilmington, DE, United States

#66

4:13 PM–4:17 PM

**A Decade Later: Health-Related
Quality of Life and Caregiver Burden
After Hip and Spine Surgery in
Children With Cerebral Palsy**

Rachel DiFazio, PhD, RN; Meghana
Venkatesh; Judith Vessey; Patricia
Miller, PhD; Benjamin Shore, MD, MPH,
FRCSC; Brian Snyder, MD
Boston Children's Hospital
Boston, MA, United States

4:18 PM–4:26 PM Discussion

#67

4:27 PM–4:31 PM

**Risk for Hip Displacement is
Associated With Etiology of
Cerebral Palsy**

Stacey Miller; Maria Juricic; Sharon
Shrestha; Ram Mishaal; Vuong Nguyen;
**Kishore Mulpuri, MBBS, MHSc,
FRCSC**
BC Children's Hospital
Vancouver, BC, Canada

#68

4:32 PM–4:36 PM

**An Analysis of the Complications
in the Treatment of Knee Flexion
Contractures in Patients With
Arthrogryposis**

Aaron Huser, DO; Arun Hariharan,
MD, MS; Amanda Lobato;
David Feldman, MD
Paley Orthopedic & Spine Institute
West Palm Beach, FL, United States

#69

4:37 PM–4:41 PM

**Characterization of Glra1 Spasmodic
Mice as a Preclinical Model of
Neuromuscular Contracture**

(Terry) Haohui Fang; **Joshua Hyman,
MD**; Alice Huang; Varun Arvind
New York-Presbyterian/Columbia
University Irving Medical Center
New York, NY, United States

4:42 PM–4:50 PM Discussion

#70

4:51 PM–4:55 PM

**The Impact of "High Dose" Tendon
Achilles Lengthening Compared
to "Low Dose" Gastrocnemius
Recession for Equinus Correction on
Ankle Power Generation in Unilateral
Cerebral Palsy**

Zhe Yuan; M. Wade Shrader, MD;
Freeman Miller, MD; Chris Church;
John Henley; Jose Salazar-Torres; **Jason
Howard, MD, FRCSC**
Nemours Children's Health
Wilmington, DE, United States

#71

4:56 PM–5:00 PM

**Does Multi-Level Surgery Weaken
Muscles in Ambulatory Youth With
Cerebral Palsy?**

Hannah Scott; Stephanie Butler; Jose
Salazar-Torres; Chris Church; **Jason
Howard, MD, FRCSC**; M. Wade
Shrader, MD; Nancy Lennon, MS,
PT, DPT
Nemours Children's Hospital, Delaware
Wilmington, DE, United States

#72

5:01 PM–5:05 PM

**Stem Cell Populations in Muscle of
Children With CP Shows Pro-Fibrotic
Transcriptional State: A Single-Cell
RNA Sequencing Study**

Vedant Kulkarni, MD; Madison Stewart;
Lin-Ya Hu; Marie Villalba; Jon Davids,
MD; Yue Wang; Lucas Smith
Shriners Children's Northern California
Sacramento, CA, United States

5:06 PM–5:14 PM Discussion

**SESSION 4B. PRACTICE
IMPROVEMENT POTPOURRI:
INFECTION, PATHWAYS,
AND PEDAGOGY**

4:00 PM–5:15 PM

Room: Gatlin C

**Moderators: James Beaty, MD &
Michelle Caird, MD**

4:00 PM–4:02 PM Introduction

#73

4:03 PM–4:07 PM

**Preserving the Epiphysis: A
Modified Posterior Approach Without
Trochanteric Osteotomy for Pediatric
Posterior Hip Pathology Safely
Achieves Fixation Without
Avascular Necrosis**

Jonathan Schoenecker, MD, PhD;
Lauren Luther; Jeff Martus, MD;
Courtney Baker, MD
Vanderbilt University Medical Center
Nashville, TN, United States

#74

4:08 PM–4:12 PM

Noninferiority of Tractionless Hip Arthroscopy Compared With Arthrotomy for Children With Septic Arthritis

Adam Jamnik; Colby Wilkens; Naureen Tareen; Philip Wilson, MD; Henry Ellis, MD; **Lawson Copley, MD**
Scottish Rite for Children
Dallas, TX, United States

#75

4:13 PM–4:17 PM

Lower Socioeconomic Status is Associated With Higher Rates of Loss to Follow-Up and Incomplete Antibiotic Adherence in Pediatric Acute Hematogenous Osteomyelitis

Connor Park; Keith Brendes; Nicholas Williams; Jens Verhey; Cameron Morris; **Jessica Burns, MD, MPH**
Phoenix Children's Hospital
Phoenix, AZ, United States

4:18 PM–4:26 PM

Discussion

#76

4:27 PM–4:31 PM

Applying Systems Mapping to Pediatric Orthopaedic Surgical Procedures Facilitates Radical Reevaluation of Procedure Pack Utilization, Safety, & Waste

Laura Bellaire, MD
University of Utah Health
Salt Lake City, UT, United States

#77

4:32 PM–4:36 PM

The True Cost of Fracture Care: Comparing Surgeons and Advanced Practice Providers in the Treatment of Diaphyseal Forearm Fractures

Amanda Moser; Sayaka Mori; Thompson Zhuang; Sulagna Sarkar; Tyler Manning; Meaghan Lutts; Alison Lehman; Edward Dockery;

Apurva Shah, MD, MBA

Children's Hospital of Philadelphia
Philadelphia, PA, United States

#78

4:37 PM–4:41 PM

Reducing Unplanned Postoperative Emergency Department Visits in Pediatric Orthopedic Surgery: A Quality Improvement Study

Eddie Geagea; Cassandra Shriver; Kaitlin Maher, PA-C; John Lovejoy, MD; Mona Mathew; **Jason Malone, DO**
Nemours Children's Hospital, Florida
Orlando, FL, United States

4:42 PM–4:50 PM

Discussion

#79

4:51 PM–4:55 PM ♦

Accelerating Diagnostic Competency in Pediatric Musculoskeletal Radiograph Interpretation Among Orthopedic Post-Graduate Trainees

Carl Starvaggi; **Maryse Bouchard, MD, MSc, FRCSC**; Mark Camp, MD; Kristina Keitel; Kai Ziebarth; Sasha Carsen, MD, FRCSC; J. Mortimer, MD; Ryan Katchky, MD; Anthony Cooper, FRCS; Ron El-Hawary, MD, MSc; Neil Saran, MD; Jennifer Stimec; Martin Pusic; Kathy Boutis
The Hospital for Sick Children (SickKids)
Toronto, ON, Canada

#80

4:56 PM–5:00 PM

Evaluating the Effectiveness of a Structured Training Program for Orthopedic Advanced Practice Providers in Pediatric Distal Radius Fracture Reduction

Ambika Nair; Caroline Fay; Meg Bowen; Akbar Syed; Beverly Teti; **J. Todd Lawrence, MD, PhD**
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#81

5:01 PM–5:05 PM

Systematic Remorse: ChatGPT and other LLMs Severely Underperform Traditional Systematic Reviews

Joseph Yellin, MD; Alex Gornitzky, MD; Brett Lullo, MD; **Raghav Badrinath, MD**
NYC Health + Hospitals/Jacobi
Bronx, NY, United States

5:06 PM–5:14 PM

Discussion

SESSION 4C. HAND/UPPER EXTREMITY: BRACHIAL PLEXUS, LIMB DIFFERENCES, AND OVERUSE ELBOWS

4:00 PM–5:15 PM

Room: Conway

Moderators: Hilton Gottschalk, MD & Carley Vuillermin, FRACS, MBBS, MPH

4:00 PM–4:02 PM

Introduction

#82

4:03 PM–4:07 PM

Long-Term Functional Outcomes Following Tendon Transfers for Brachial Plexus Birth Injuries

Lainey Bukowiec; Emil Varas; William Shaughnessy, MD; Nicholas Pulos, MD
Mayo Clinic
Rochester, MN, United States

#83

4:08 PM–4:12 PM

Evaluating the Efficacy of Closed Reduction on Remodeling of the Glenohumeral Joint in Brachial Plexus Birth Palsy

Justin Choy; **Andrea Tian**; Matthew Ditzler; Chris Stutz, MD
Scottish Rite for Children
Dallas, TX, United States

#84

4:13 PM–4:17 PM

Long-term Evaluation of Free Fibular Flap in Extremity Bony Reconstruction

Justin Choy; Rusty Hartman; David Podeszwa, MD; **Scott Oishi, MD, FACS**
Scottish Rite for Children
Dallas, TX, United States

4:18 PM–4:26 PM

Discussion

#85

4:27 PM–4:31 PM

Visible and Hidden Differences: A Multi-Dimensional Exploration of Function and Well-being in Children With Congenital Upper Limb Differences

Hannah Young; Patricia Miller, PhD; Lindley Wall, MD; Brittany Garcia; Suzanne Steinman, MD; Mary Claire Manske, MD; Deborah Bohn, MD; Nina Lightdale-Miric, MD; **Donald Bae, MD**; CoULD Study Group
Boston Children's Hospital
Boston, MA, United States



#86

4:32 PM–4:36 PM

Pediatric Digital Replantation and Revascularization Surgery: A Multicenter Experience of Failure Rates and Perioperative Care

Brittany Garcia; Lindley Wall, MD; Micah Sinclair, MD; Gretchen Maughan-Egbert; Shannon Tse; Sarah Ishamuddin; Angela Wang
University of Utah Health
Salt Lake City, UT, United States

#87

4:37 PM–4:41 PM

Hidden in Plain Sight: Incidence and Risk Factors of Scaphoid Fractures in Children With Suspected Fracture but Negative Screening Radiographs

Simon Blanchard; Stone Streeter; Dev Laungani; Sayaka Mori; Edward Dockery; Sulagna Sarkar; **Mary Claire Manske, MD**; Apurva Shah, MD, MBA
Children's Hospital of Philadelphia
Philadelphia, PA, United States

4:42 PM–4:50 PM

Discussion

#88

4:51 PM–4:55 PM

Tumbling Athletes Exhibit the Highest Risk of Bilateral Elbow Osteochondritis Dissecans: A Call for Targeted Screening

Brendon Mitchell; Kevin Landrum; Gavin Rallis; Stone Streeter; Monika Thothadri; Casey Kuka; Rishika Pasula; Akbar Syed; Joseph Yellin, MD; Apurva Shah, MD, MBA; Theodore Ganley, MD; J. Todd Lawrence, MD, PhD
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#89

4:56 PM–5:00 PM

Rethinking Little Leaguer's Elbow: Are Radiographs Missing the Real Injury?

Jacob Jones, MD; Kate Lampe; Charles Wyatt, NP; Philip Wilson, MD
Scottish Rite for Children
Dallas, TX, United States

#90

5:01 PM–5:05 PM

Growth Rate of Distal Radial and Ulnar Physes

Christopher Souder, MD; Abigail Arnold; Emma Wadsworth; James Bomar, MPH; **Andrew Pennock, MD**
Rady Children's Health
San Diego, CA, United States

5:06 PM–5:14 PM

Discussion

SESSION 4D. CASE REPORTS: TUMOR, INFECTION, AND SYNDROMIC DEFORMITY

4:00 PM–5:15 PM

Room: Butler

Moderators: Gregory Mencio, MD & Alexandre Arkader, MD

4:00 PM–4:02 PM

Introduction

Case 9

4:03 PM–4:05 PM

Rare Variant of Congenital Insensitivity to Pain Presenting With Femoral Osteotomy Nonunion

Jeff Martus, MD
Vanderbilt University Medical Center
Nashville, TN, United States

4:06 PM–4:11 PM

Discussion

Case 10

4:12 PM–4:14 PM

Embolization of a Bone Void Filler After Injection Into a Unicameral Bone Cyst—A Cautionary Tale!

Mihir Thacker, MD; Jai Thacker
Nemours Children's Hospital, Delaware
Wilmington, DE, United States

4:15 PM–4:20 PM

Discussion

Case 11

4:21 PM–4:23 PM ★

The Use of External Fixators and Extreme Joint Positioning in the Management of Soft Tissue Trauma in Children

Peter Apel, MD
Virginia Tech Carilion
Roanoke, VA, United States

4:24 PM–4:29 PM

Discussion

Case 12

4:30 PM–4:32 PM

Modified Trapdoor Technique for Excision of a Femoral Head Chondroblastoma using Intraoperative Three-Dimensional Navigation: Technique and Results of a Low-Dose Radiation Protocol

John Kelly; Lainey Bukowiec; Quinn Johnson; Travis Turner; Austen Thompson; David Clark; Paola Rullan

Oliver; **Emmanouil (Manos)**

Grigoriou, MD

Mayo Clinic

Rochester, MN, United States

4:33 PM–4:38 PM

Discussion

Case 13

4:39 PM–4:41 PM

Two Left Legs Don't Make a Right: Surgical Management of a Congenital Limb Duplication

Nicole Montgomery, MD; Paige Wheaton, PA-C
Texas Children's Hospital
Houston, TX, United States

4:42 PM–4:47 PM

Discussion

Case 14

4:48 PM–4:50 PM

Blounts Lesion Resection With Simultaneous Intra-epiphyseal Osteotomy for Advanced Infantile Tibia Vara

Christopher Souder, MD
Rady Children's Health
San Diego, CA, United States

4:51 PM–4:56 PM

Discussion

Case 15

4:57 PM–4:59 PM

Safety and Feasibility of the Triple Pelvic Osteotomy Combined With Acetabuloplasty for Adolescent Neuromuscular Hip Dysplasia (ANHD) With a Steep Acetabulum: A Novel Modification

Muharrem Yazici, MD; Rafik Ramazanov; Ulas Kolac; Guney Yilmaz
Hacettepe University Hospitals
Ankara, Turkey

5:00 PM–5:05 PM

Discussion

Case 16

5:06 PM–5:08 PM

Defying the Odds: Survival in Severe Prenatal Caffey's Disease

Ryan McIlwain; Andrew Hefflin; Sharon Maina; William Cutchen, MD; **Tyler McDonald, MD**
University of South Alabama
Mobile, AL, United States

5:09 PM–5:14 PM

Discussion

SESSION 5A. SPINE:
EVOLUTION OF AIS CARE—FUSION
STRATEGIES TO TETHERING

8:00 AM–9:40 AM

Room: Gatlin D

Moderators: Allen Kadado, MD &
Ying Li, MD

8:00 AM–8:04 AM Welcome

#91

8:05 AM–8:09 AM

The Lumbar Response to Selective Thoracic Fusion in Patients With Open Triradiate Cartilage and Compensatory Lumbar Curves

Scott Yang, MD; Bailey Ingalls; Jennifer Bauer, MD, MS; Paul Sponseller, MD, MBA; Suken Shah, MD; Peter Newton, MD; Burt Yaszay, MD; Harms Study Group
Seattle Children's Hospital
Seattle, WA, United States

#92

8:10 AM–8:14 AM

Thoracic Compensation After Pediatric Lumbar Spinal Fusion: Adaptations in the Sagittal Plane

Eshan Sane; Jake Goldfarb; Christian Wright; Nicholas Speller; Gabriel Boebel; Ling Chen; Simon Tang; Michael Kelly, MD; **Blake Montgomery, MD**
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#93

8:15 AM–8:19 AM

Saving Fusion Levels in Lenke 1/2-AR Curves: Can We Stop Short of the Last Substantially Touched Vertebra (LSTV)?

Michael Brown; Tracey Bryan, MA; David Feldman, MD; Craig Louer, MD; John Vorhies, MD; Joshua Murphy, MD; Keith Bachmann, MD; Robert Cho, MD; Peter Gabos, MD; Amit Jain, MD; Baron Lonner, MD; Firoz Miyanji, MD, FRCSC; Amer Samdani, MD; Suken Shah, MD; Michael Patrick Kelly, MD; Peter O. Newton, MD; Harms Study Group; **Arun Hariharan, MD, MS;** Harms Study Group
Paley Orthopedic & Spine Institute
West Palm Beach, FL, United States

8:20 AM–8:28 AM Discussion

#94

8:29 AM–8:33 AM

Revisions for Pseudoarthrosis in Adolescent Idiopathic Scoliosis: Strategies and Outcomes from a Multicenter Registry

Alex La Poche; Amit Jain, MD; Amer Samdani, MD; John Vorhies, MD; Arun Hariharan, MD, MS; Peter Gabos, MD; Peter Newton, MD; Burt Yaszay; **Craig Louer, MD;** Harms Study Group
Vanderbilt University Medical Center
Nashville, TN, United States

#95

8:34 AM–8:38 AM

Rethinking the Gold Standard: Mesenchymal Stem Cells, Not Osteoblasts, Drive Iliac Crest Graft Efficacy Via Endochondral Ossification in Spine Fusion

Jonathan Schoenecker, MD, PhD; Doby Okonkwo; Rachel McKee; J. Court Reese; **Craig Louer, MD**
Vanderbilt University Medical Center
Nashville, TN, United States

#96

8:39 AM–8:43 AM

Comparing Sagittal Profiles in Adolescent Deformity Patients Undergoing Posterior Fusion With Patient-Specific Precontoured Versus Manually Contoured Rods

Matthew Miyasaka; Kingsley Ogelle; **Alexander Kucherina;** Constance Maglaras; Themistocles Protopsaltis; Juan Carlos Rodriguez Olaverri
NYU Langone Health
New York City, NY, United States

8:44 AM–8:52 AM Discussion

#97

8:53 AM–8:57 AM

Prospective, Multicenter Comparison of Hybrid and Bilateral VBT in the Treatment of Idiopathic Scoliosis

Firoz Miyanji, MD, FRCSC; Shaina Sim; Sager Hanna; Amer Samdani, MD; Baron Lonner, MD; Burt Yaszay, MD; Lawrence Haber, MD; Patrick Cahill, MD; Peter Newton, MD; Harms Study Group
BC Children's Hospital
Vancouver, BC, Canada

#98

8:58 AM–9:02 AM

Hybrid Constructs Vs Posterior Spinal Fusion in Lenke 3 and 6 AIS: Radiographic and Clinical Comparison With ≥2-Year Follow-Up

Mina Eskandar; Alexandra Yiachos; **Alexander Kucherina;** Garima Paul; Constance Maglaras; Themistocles Protopsaltis; Tina Raman; Juan Carlos Rodriguez Olaverri
NYU Langone Health
New York City, NY, United States

#99

9:03 AM–9:07 AM

Surgical Outcomes and Complications for Patients Undergoing Vertebral Body Tethering With a 5-8 Year Follow-Up

Rachelle Imbeault; Jesse Shen; Marie Beauséjour; Marjolaine Roy-Beaudry; Isabelle Turgeon; Soraya Barchi; **Stefan Parent, MD, PhD**
CHU Sainte-Justine
Montreal, QC, Canada

9:08 AM–9:16 AM Discussion

#100

9:17 AM–9:21 AM

Growth Modulation After Vertebral Body Tethering Results in Similar Axial Correction to a Posterior Spinal Fusion

Melanie Boeyer, PhD; Dustin Kress; Stefan Parent, MD, PhD; Peter Newton, MD; Burt Yaszay, MD; Harms Study Group; **Daniel Hoernschemeyer, MD;** Harms Study Group
University of Missouri Health Care
Columbia, MO, United States

#101

9:22 AM–9:26 AM ♦

Outcomes of Vertebral Body Tethering in Adolescent Idiopathic Scoliosis: A Prospective, Multi-Center Study

Hans Nugraha, MD; Lawrence Haber, MD; Daniel Hoernschemeyer, MD; Patrick Cahill, MD; Amer Samdani, MD; Firoz Miyanji, MD, FRCSC; Peter Newton, MD; **A. Noelle Larson, MD;** Harms Study Group
Mayo Clinic
Rochester, MN, United States

♦ Research supported by POSNA grant

#102

9:27 AM–9:31 AM

Reliability of Vertebral Pelvic Angles in Pediatric Idiopathic Scoliosis Patients

Nicholas Collar; Michael Kelly, MD; Bryan Menapace, MD, MBA; Miran Stubican; Ashley Pikero; **Chinmay Paranjape, MD, MSc**
Shriners Children's Portland
Portland, OR, United States

9:32 AM–9:40 AM Discussion

**SESSION 5B. SPORTS:
ACL AND MENISCUS**

8:00 AM–9:40 AM

Room: Gatlin C

Moderators: Andrew Pennock, MD & Melissa Christino, MD

8:00 AM–8:04 AM Welcome

#103

8:05 AM–8:09 AM

Subsequent Isolated Meniscus Tears Following Pediatric Anterior Cruciate Ligament Reconstruction as an Indicator of Graft Failure: An Assessment of Hamstring and Quadriceps Tendon Autografts

Morgan Swanson; Kevin Landrum; **Christopher DeFrancesco, MD**; Sulagna Sarkar; Kathleen Maguire, MD
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#104

8:10 AM–8:14 AM

Pediatric Anterior Cruciate Ligament Reconstruction Using at Least 6-Strand Hamstring Tendon Autograft Is Associated with Lower Failure Rates: A Retrospective Comparative Study

Maxime Cote, MD; Stephane Pelet; Ludovic Boucher Grenon
Centre mère-enfant Soleil
Quebec City, QC, Canada

#105

8:15 AM–8:19 AM

Anterior Cruciate Ligament Concomitant Injury Complexity Worsens With Surgical Delay in Pediatric and Adolescent Patients

Jack Parker; Mia Caminita; Chelsey Bowman; **Syed Ahmed, MD**; Emily Niu, MD

Children's National

Washington, DC, United States

8:20 AM–8:28 AM Discussion

#106

8:29 AM–8:33 AM

A Novel Technique for Adolescent ACL Revision Reconstruction Using IT Band Augmentation: A Multicenter Case Series

Cassidy Shields, MD; James Bomar, MPH; **Matthew Ellington, MD**; Andrew Pennock, MD
The University of Texas at Austin - Dell Medical School
Austin, TX, United States

#107

8:34 AM–8:38 AM

Lateral Extra-articular Tenodesis Does Not Alter Gait Biomechanics After ACL Reconstruction in a Pediatric Population: A Motion Analysis Study

Anton Manitiu; David Mazy; Alexia Bayol; Nicola Hagemeister; **Marie-Lyne Nault, MD, PhD**
CHU Sainte-Justine
Montreal, QC, Canada

#108

8:39 AM–8:43 AM

Return-to-Sport Functional Testing Does Not Predict Graft Rupture in Pediatric ACL Reconstruction

Soroush Baghdadi, MD; Christopher Hamad; Kole Joachim; Esther Chung; Richard Bowen, MD
UCLA Health
Los Angeles, CA, United States

8:44 AM–8:52 AM Discussion

#109

8:53 AM–8:57 AM

Baseline Lower Extremity Coronal Plane Alignment in Pediatric and Adolescent Patients With ACL Tears Compared to a Control Population

Joshua Bram; Samuel Beber; Sarah Lu; Nicolas Pascual-Leone; Daniel Green, MD; **Peter Fabricant, MD, MPH**
Hospital for Special Surgery
New York, NY, United States

#110

8:58 AM–9:02 AM

Which Adolescent Is at Danger of a Contralateral ACL Injury After Treatment for Their First Primary ACL Reconstruction?

Michael Kutschke, MD; Benjamin Johnson; Benjamin MacDonald; Bobby Van Pelt, MPH; Charles Wyatt, NP; Philip Wilson, MD; Henry Ellis, MD
Scottish Rite for Children
Dallas, TX, United States

#111

9:03 AM–9:07 AM

There Is a Difference in Preoperative Standing Knee Femorotibial Rotation in Pediatric Patients With Anterior Cruciate Ligament Rupture Versus Patients With Patellofemoral Instability

Danielle Chipman; Shae Simpson; Nicolas Pascual-Leone; Preston Gross; Emilie Lijesen; Alexandra Aitchison; Olivia Tracey; Ariana Matarangas; Roger Widmann, MD; Peter Fabricant, MD, MPH; Daniel Green, MD; **Tyler Mange, MD**
Hospital for Special Surgery
New York, NY, United States

9:08 AM–9:16 AM Discussion

#112

9:17 AM–9:21 AM

Incidence, Complication, and Failure Rates of Bucket-Handle Meniscus Tears in Pediatric and Adolescent Population: A Multicenter Sports Cohort Outcomes Registry (SCORE) Study

Joonoh Lee; Keinan Agonias; Bobby Van Pelt, MPH; Benton Heyworth, MD; Eric Edmonds, MD; Matthew Milewski, MD; Donna Pacicca, MD; Philip Wilson, MD; Kevin Shea, MD; **Henry Ellis, MD**; Members of the SCORE Quality Improvement Registry
Scottish Rite for Children
Dallas, TX, United States



#113

9:22 AM–9:26 AM

A Novel Approach to Segmental Meniscus Repair – Can We Improve Biomechanical Performance of Meniscus Transplants and Reduce the Risk of Extrusion?

Akbar Syed; Hisham Omar; Kevin Landrum; Jacob Sommer; Kevin Shea, MD; Michael Hast; **Theodore Ganley, MD**
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#114

9:27 AM–9:31 AM

Peripheral Rim Instability in Discoid Lateral Menisci: Epidemiology and Treatment from >1000 Discoid Meniscus

Smaran Garlapati; Keinan Agonias; Bobby Van Pelt, MPH; Rachel Silverstein, MD; **Scott McKay, MD**; Matthew Brown, MD; Philip Wilson, MD; Kevin Shea, MD; Henry Ellis, MD; Members of the SCORE Quality Improvement Registry
Scottish Rite for Children
Dallas, TX, United States

9:32 AM–9:40 AM

Discussion

SESSION 5C. HIP: PERTHES TO PAO—EVOLVING STRATEGIES IN HIP PRESERVATION

8:00 AM–9:40 AM

Room: Conway

Moderators: Young Jo Kim, MD & Courtney Selberg, MD

8:00 AM–8:04 AM

Welcome

#115

8:05 AM–8:09 AM

Long-Term Radiographic Outcomes of Patients With Legg-Calvé-Perthes Disease With Onset Before Age Six Re-visited

Jessica Cao; Sachi Kishinchandani; Joonoh Lee; Michael Kang; John Anthony "Tony" Herring, MD, FRCS; **Harry Kim, MD**
Scottish Rite for Children
Dallas, TX, United States

#116

8:10 AM–8:14 AM

Not Quite Perthes, but Not Quite

Meyer: Characterizing Another Form of Epiphyseal Ossification Irregularity in Growing Hips

Stone Streeter; Olivia Ullmann; **Wudbhav Sankar, MD**
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#117

8:15 AM–8:19 AM

Predictors of Femoral Head Shape in Patients With Legg-Calvé-Perthes Disease With Onset Age Under 6 Years

Zhe Yuan; Sadettin Ciftci; Cenk Ermutlu; William Morris, MD; Jennifer Laine, MD; Susan Novotny, PhD; Harry Kim, MD; **Mihir Thacker, MD**; International Perthes Study Group
Nemours Children's Health
Wilmington, DE, United States

8:20 AM–8:28 AM

Discussion

#118

8:29 AM–8:33 AM

Radiographic Outcomes of Triple Osteotomy for Severe Legg-Calvé-Perthes Disease

Amy Behman, MD; Kai Ziebarth
Kinderklinik Inselspital Bern
Bern, Switzerland

#119

8:34 AM–8:38 AM

Does Early-Stage Perfusion MRI Correlate with Femoral Head Deformity In Children Between 6 and 8 Years of Age with Legg-Calvé-Perthes Disease Treated with Surgical Containment? - International Multicenter Prospective Study

Hitesh Shah, MD; Candelaria Mercado; William Morris, MD; **Jennifer Laine, MD**; Derek Kelly, MD, FAAOS, FAOA; Wudbhav Sankar, MD; Benjamin Martin, MD, MBA; Harry Kim, MD; International Perthes Study Group
Scottish Rite for Children
Dallas, TX, United States

#120

8:39 AM–8:43 AM

Determination of Modified Waldenström Staging in Legg-Calvé-Perthes Disease Using Deep Learning

Joshua Bram; Seong Jun Jang; Carter Hall; Martha Kebeh; Omar Shareef; **Christopher DeFrancesco, MD**; Jennifer Laine, MD; Wudbhav

Sankar, MD

Children's Hospital of Philadelphia
Philadelphia, PA, United States

8:44 AM–8:52 AM

Discussion

#121

8:53 AM–8:57 AM

Patient Reported Outcomes Following Periacetabular Osteotomy for Acetabular Dysplasia: A Retrospective Review of a Prospectively Maintained Registry With Mid-Term Analysis of 306 Procedures

Helena Franco; Grant Hogue, MD; **Michael Millis, MD**
Boston Children's Hospital
Boston, MA, United States

#122

8:58 AM–9:02 AM

Behind the Eight Ball: Prior Operative Treatment of Childhood Developmental Dysplasia of the Hip Is Associated With Poorer Outcomes Following Periacetabular Osteotomy

William Morris, MD; Keinan Agonias; Wudbhav Sankar, MD; Stephanie Pun, MD; Rachel Goldstein, MD; Andrea Spiker; Travis Matheney, MD; Academic Network for Conservational Hip Outcomes Research (ANCHOR)
Scottish Rite for Children
Dallas, TX, United States

#123

9:03 AM–9:07 AM

Does Previous Childhood Hip Surgery Limit Functional Outcome for a Periacetabular Osteotomy in Adolescents?

Daniel Sucato, MD, MS; Miranda Aman; James Ogbeide; Lauren Osborne; David Podeszwa, MD; William Morris, MD; Kelly Jeans; Laura Mayfield, MPH
Scottish Rite for Children
Dallas, TX, United States

9:08 AM–9:16 AM

Discussion

#124

9:17 AM–9:21 AM

Natural History of Acetabular Changes in Patients With Perthes Disease and the Effect of Pelvic Osteotomy in Remodeling

Arif Çakar; Bartu Sarisozen; **Cenk Ermutlu**; Adnan Çakar; Adnan Kantarcı
Uludag University
Bursa, Turkey

5D. NEGOTIATION STRATEGIES FOR THE PEDIATRIC ORTHOPAEDIC SURGEON

8:00 AM–9:40 AM

Room: Butler

Chairs: Laurel Blakemore, MD & Kevin Shea, MD

This is a skills-based workshop equipping surgeons with practical negotiation strategies—from contracts to capital purchases to research support. Participants will learn how to structure proposals and advocate for institutional investment at every career stage.

8:00 AM–8:03 AM

Introduction

Laurel Blakemore, MD

The Hospital and the PediPod

8:04 AM–8:09 AM

C-Suite Perspective: What the Executive Team Wants You to Know

Daniel Podberesky, MD, FACR, FSAR

8:10 AM–8:15 AM

Negotiating Job Contracts

Julie Samora, MD, PhD, MPH

8:16 AM–8:21 AM

Securing Research/QI Support: Leveraging Hospital Funds, Endowments, and Philanthropy

Martha Murray, MD

8:22 AM–8:27 AM

Negotiating for Clinical Resources

David Skaggs, MD, MMM

8:28 AM–8:33 AM

Negotiating Your Leadership Package

James Sanders, MD

8:34 AM–8:49 AM

Roundtable Discussion

Advocating in the Bigger Picture

8:50 AM–8:56 AM

Making the Case for Capital Purchases

Kevin Shea, MD

8:57 AM–9:02 AM

Negotiating for Patient Support: Advocating Mental Health and Psychosocial Services

Corinna Franklin, MD

9:03 AM–9:08 AM

Advocating for Sustainability: How to Make the Case at Your Institution

Laura Bellaire, MD

9:09 AM–9:14 AM

Securing Support at the Specialty Society Level

Michael Vitale, MD

9:15 AM–9:30 AM

Roundtable Role Play: Capital Expenditure

9:31 AM–9:38 AM

Questions & Strategy Summaries

9:39 AM–9:40 AM

Final Comments

Kevin Shea, MD

#125

9:22 AM–9:26 AM

In-Situ Pinning for Slipped Capital Femoral Epiphysis: Conversion to Hip Arthroplasty and Patient Reported Outcomes at Long-Term 20 Years Follow Up

Paola Rullan Oliver; Quinn Johnson; Emil Varas; A. Noelle Larson, MD; Todd Milbrandt, MD; Anthony Stans, MD; Emmanouil (Manos) Grigoriou, MD Mayo Clinic Rochester, MN, United States

#126

9:27 AM–9:31 AM

Which Factors are Associated With Delayed Diagnosis of Slipped Capital Femoral Epiphysis?

Arun Movva; Emily DeMaio; Ilona Lukina; Bryce Maxwell; Romie Gibly, MD, PhD; Neeraj Patel, MD, MPH Ann & Robert H. Lurie Children's Hospital of Chicago Chicago, IL, United States

9:32 AM–9:40 AM

Discussion

PEDS ORTHO PODCAST: LIVE FROM POSNA

10:00 AM–11:00 AM

Room: Butler

A Conversation About the SRS-Lenke-Aubin 3D Classification

New at the 2026 POSNA Annual Meeting!

Experience a live recording from the 2026 POSNA Annual Meeting as we break down one of the most significant shifts in deformity analysis in years. Peds Ortho Podcast hosts Tyler C. McDonald, MD, FAAOS, and R. Carter Clement, MD, MBA, will discuss the classification with A. Noelle

Larson, MD, and Michael Vitale, MD, co-authors of the article,

[The SRS-Lenke-Aubin 3D classification of adolescent idiopathic scoliosis.](#)

You'll Learn:

- What the new SRS-Lenke-Aubin 3D classification system means for your practice
- How it enhances surgical planning
- Why the third dimension is the new gold standard

NEW

HALL OF FAME/SPECIAL EFFORT & EXCELLENCE AWARD

Room: Gatlin C

11:00 AM–11:14 AM

Introduction of POSNA Hall of Fame Inductees

Kevin Shea, MD

11:15 AM–11:19 AM

Presentation of Special Effort & Excellence Award

Kevin Shea, MD

LEAD LIKE LORI LECTURE



11:20 AM–12:25 PM

Room: Gatlin C

11:20 AM–11:24 AM

Introduction

Christine Ho, MD

11:25 AM–12:25 PM

Lead Like Lori Lecture

Joan Higginbotham

In 2022, we tragically lost one of the greats of the pediatric orthopaedic community. Dr. Lori Karol was a friend and mentor to many and an inspiration to all. Her distinguished career includes the devoted care of many children with complex issues, landmark research, and the training of countless young surgeons. She was not only a trailblazer but excelled at fostering conversations and connections among POSNA members. As the first female president of POSNA, she not only brought decades of experience but also diversity to the senior leadership and had a hand in welcoming many into POSNA.

After Dr. Karol's passing, POSNA created the Lead Like Lori Lecture Series. Funded by donations in her honor, POSNA has been able to secure inspiring speakers for leadership lectures at the Annual Meeting. In 2025, POSNA extended the lecture series from 3 to 5 years, with speakers at the 2026 and 2027 Annual Meetings.

Support the Lead Like Lori Initiatives in Recognition of Dr. Lori Karol

Your donations are used to help support the Lead Like Lori lecture series and future program initiatives.

[Click here](#) to donate.

LEAD LIKE LORI LECTURER

We are excited to welcome **Joan Higginbotham** as this year's speaker for our Lead Like Lori Lecture.

Joan Higginbotham is a retired NASA astronaut and trailblazing electrical engineer who became the third African American woman to travel into space aboard Space Shuttle Discovery in 2006. During the nearly 13-day mission, the seven-member crew continued construction of the International Space Station, embarking on four space walks with Higginbotham operating the station's robotic arm. With a distinguished 20-year career with NASA and more than 308 hours in space, Higginbotham brings powerful lessons on leadership, perseverance, and thriving in high-stakes, team-driven environments. Following her astronaut career, she held senior leadership roles across aerospace and Fortune 500 companies before launching her own firm, Joan Higginbotham Ad Astra LLC. Widely recognized for her accomplishments, she continues to inspire audiences by sharing her journey of breaking barriers to boldly go where few have gone: space.



FORGING CONNECTIONS: POSNA COMMUNITY SURGEONS' SOCIAL

12:45 PM–2:15 PM

Room: Butler

Jennifer Beck, MD; Justin Roth, DO

Are you a pediatric orthopaedic surgeon practicing outside a traditional academic center? Whether you work in private practice, a regional or non-teaching hospital system, or a satellite clinical location affiliated with a university, this gathering is for you.

Join fellow community surgeons for light refreshments, networking, and an open discussion about the realities of community-based practice. This session is an opportunity to share insights, connect with peers, and help shape how POSNA can better support community surgeons through resources, programming, and future initiatives.

NEW

KIDS FORUM

2:00 PM–4:00 PM

GATLIN E3-5

PEDIATRIC ORTHOPAEDIC DEVICE INNOVATION

ABOUT THIS FORUM

The KIDS Forum is focused on streamlining device innovation for pediatric orthopaedic patients. This is a working meeting with the goal of beginning to develop a pathway for using Real World Evidence (RWE) and Quality Improvement data for regulatory purposes.

All POSNA registrants, exhibitors, and guests are welcome to attend and participate in this working session.

PROGRAM SCHEDULE

2:00 PM–2:10 PM	Welcome & Setting Our Goals <i>Speakers: Kali Tileston, MD; Christine Ho, MD</i>
2:10 PM–2:30 PM	Considerations in Pediatric Orthopaedic Device Development Perspective on Pediatric Orthopaedic Device Innovation in the U.S. <i>Speakers: Vincent Devlin, MD; Patrick Cahill, MD</i>
2:30 PM–3:00 PM	Whiteboard Working Session: Building the Real World Evidence Pathway Develop a clear, step-by-step flow <i>Speaker: Henry Ellis, MD</i>
3:00 PM–3:20 PM	Funding & Aggregation Models Determine how to fund QI databases and aggregate resources across hospitals and industry partners <i>Speaker: Michael Vitale, MD</i>
3:20 PM–3:40 PM	Central Repository: Scope & Content - Decide when and how to centralize peer-reviewed data - Define minimum clinical data elements needed <i>Speaker: A. Noelle Larson, MD</i>
3:40 PM–3:50 PM	Industry Examples Gather examples from industry where using real world evidence may be beneficial <i>Speakers: Medtronic, OrthoPedicatrics</i>
3:50 PM–4:00 PM	Close & Action Items - RWD sources to pursue (registry, EHR, claims, device data) - Plan for evidence generation - Identification of biggest operational barriers <i>Speaker: Kali Tileston, MD</i>

PRESIDENTIAL SPEAKER

8:00 AM–8:20 AM
Room: Gatlin C

8:00 AM–8:04 AM
Introduction
Kevin Shea, MD

8:05 AM–8:20 AM
Presidential Speaker - What Does It Mean to Be a Good Surgeon?
Steven Frick, MD



Steven Frick, MD, will discuss the knowledge, skills, and behaviors that distinguish individuals as good surgeons, as well as the values, principles, and approaches leading to a successful and rewarding career in orthopaedic surgery. The content is developed from three decades of conversations between POSNA President Kevin Shea, MD, and the speaker, and informed by dozens of interviews with accomplished senior surgeons. It will explore the history of surgical education and surgeon development, the intersection between being a good surgeon and a good person, and how involvement in POSNA can facilitate the development of good surgeons.

SESSION 6. AWARD-NOMINATED PAPERS PART 1

8:20 AM–10:00 AM
Room: Gatlin C

Moderators: Daniel Sucato, MD, MS & Roger Cornwall, MD

8:21 AM–8:23 AM Introduction

#127

8:24 AM–8:29 AM
Postoperative Outcomes of Ponte-osteotomies Vs No Osteotomies in the Treatment of Adolescent Idiopathic Scoliosis (AIS) – A Randomized Clinical Trial

Matti Ahonen, MD, PhD; Jenni Katariina Jalkanen; Ilkka Helenius, MD, PhD, Professor
HUS Helsinki University Hospital
Helsinki, Finland

#128

8:30 AM–8:35 AM
Effects of Three-year Daily Calcium and Vitamin D Supplementation in Adolescent Idiopathic Scoliosis – A Randomised Double-blinded Placebo-controlled Trial

Adam Yiu-Chung Lau; Kenneth Yang; Cheuk Kin Kwan; Lik Hang Hung, FRCS; Wayne Lee; Jack Cheng, MD; Tsz-Ping Lam, MBBS, FRCSE
The Chinese University of Hong Kong
CUHK, Hong Kong

8:36 AM–8:44 AM Discussion

#129

8:45 AM–8:50 AM ♦
Does Very Early Administration of Disease Modifying Therapy (DMT) Prevent Early Onset Scoliosis (EOS) in Young Children With Spinal Muscular Atrophy (SMA)

Hiroko Matsumoto, PhD; Yuri Ota; Thomas Coleman; Lennert Plasschaert, MD; Joyce Huang; Amy Pasternak; Jason Anari, MD; Elena Losina; Robert Graham; Basil Darras; Patrick Cahill, MD; Brian Snyder, MD
Boston Children's Hospital
Boston, MA, United States

#130

8:51 AM–8:56 AM
Can Comprehensive Genomic Profiling Unravel the Genetic Architecture of Idiopathic Early-Onset Scoliosis?

Nao Otomo; Yared Kidane; Anas Khanshour; Kristhen Atala; Behrooz Akbarnia, MD; Charles Johnston, MD; Amy McIntosh, MD; Jonathan Rios, PhD; Brandon Ramo, MD; Carol Wise, PhD
Scottish Rite for Children
Dallas, TX, United States

8:57 AM–9:05 AM Discussion

#131

9:06 AM–9:11 AM
Machine Learning (ML) in Intraoperative Neuromonitoring: Updated Model Integrating Hemodynamic Data Detects Changes 35 Minutes Earlier Than Clinical Teams

Varun Arvind; Mehdi Elfilali; Madeline Monness; Erik Williams; Miles Bomback; Alexander Park; Michael Brown; Omar Taha; Matthew Weintraub; Teeda Pinyavat; Anil Mendiratta;
Michael Vitale, MD, MPH
New York-Presbyterian/Columbia University Irving Medical Center
New York, NY, United States

#132

9:12 AM–9:17 AM
Not all Irrigants Are Created Equal: Comparing the Efficacy of Irrigation Solutions Against Staphylococcal Biofilm Formed on Pedicle Screws and Sublaminar Bands

Patrick Nian; Christina Chao; Isabella Marsh; Tyler Khilnani; Roger Widmann, MD; Alberto Carli; **Jessica Heyer, MD**
Hospital for Special Surgery
New York, NY, United States

9:18 AM–9:26 AM Discussion

#133

9:27 AM–9:32 AM
MEK Inhibition for Treating Skeletal RASopathies in Children
Nandina Paria; David Podeszwa, MD; Meghan Wassell; Reuel Cornelia; Carol Wise, PhD; Jonathan Rios, PhD
Scottish Rite for Children
Dallas, TX, United States

#134

9:33 AM–9:38 AM
Inhibition of Pathologic SMAD4 Signaling Prevents Neuromuscular Contracture Formation
Varun Arvind; **Joshua Hyman, MD**; Alice Huang
New York-Presbyterian/Columbia University Irving Medical Center
New York, NY, United States

#135

9:39 AM–9:44 AM
Exercise Produces Circulating Factors That Improve Cartilage Health: Implications for Pediatric Joint Injury and Repair
Benjamin Alman, MD, FRCSC; Jing Xie
Duke University Health System
Durham, NC, United States

9:45 AM–9:57 AM Discussion

♦ Research supported by POSNA grant

SESSION 7. AWARD-NOMINATED
PAPERS PART 2

10:30 AM–11:53 AM

Room: Gatlin C

Moderators: Jennifer Laine, MD & Suken Shah, MD

#136

10:30 AM–10:35 AM

Coronal Plane Alignment After Pre-Pubertal ACL Reconstruction: Results From the PLUTO Study Group*Joshua Bram; Meghan Whalen; Subrina Farah; Grace Saville; Dai Sugimoto; Daniel Green, MD; Mininder Kocher, MD, MPH; **Peter Fabricant, MD, MPH;** PLUTO Study Group
Hospital for Special Surgery
New York, NY, United States*

#137

10:36 AM–10:41 AM

Skeletally Immature Patients Treated Nonoperatively After a First-time Patellar Dislocation without Recurrence – Are They Doing as Well as Those Who Had Surgery?*Robert Magnussen; Honor Paine; Matthew Veerkamp; Natalie Pahapill; Elizabeth Dennis; Audrey Wimberly; Eric Wall, MD; Philip Wilson, MD; Henry Ellis, MD; Daniel Green, MD; Benton Heyworth, MD; Beth Shubin Stein; **Shital Parikh, MD, FACS**
Cincinnati Children's Hospital
Medical Center
Cincinnati, OH, United States*

10:42 AM–10:50 AM Discussion

#138

10:51 AM–10:56 AM

Suture Bridge Fixation for Medial Femoral Condyle Osteochondritis Dissecans Demonstrates Comparable Healing Compared to Screw Fixation*Michael Kutschke, MD; Keinan Agonias; Charles Wyatt, NP; Benjamin Johnson; Henry Ellis, MD; **Philip Wilson, MD**
Scottish Rite for Children
Dallas, TX, United States*

#139

10:57 AM–11:02 AM

OATS Harvesting From the Femoral Condyle Is Not Benign: Knee Outcomes After OATS vs. OCA for Elbow OCD in Children*Kevin Landrum; Brendon Mitchell; Stone Streeter; Kevin Xu; Apurva Shah, MD, MBA; J. Todd Lawrence, MD, PhD; Theodore Ganley, MD; **Joseph Yellin, MD**
Children's Hospital of Philadelphia
Philadelphia, PA, United States*

11:03 AM–11:11 AM Discussion

#140

11:12 AM–11:17 AM

Proximal Femoral Varus Osteotomy Increases Revascularization of Femoral Head in the Early-Stage of Legg-Calvé-Perthes Disease: A Serial Perfusion MRI Study*Joonoh Lee; Ahan Mistry; **Harry Kim, MD**
Scottish Rite for Children
Dallas, TX, United States*

#141

11:18 AM–11:23 AM

Antegrade Rigid Intramedullary Nailing of Tibial Diaphyseal Fractures in Adolescents With Open Proximal Tibial Physis: Does a Deformity Occur?***Mark Miller, MD;** Joshua Marino, BS; Zachary Meyer; Julia Sanders, MD; Benjamin Shore, MD, MPH, FRCSC; Maria Canizares, MD, MPH; Shanika De Silva; CORTICES Study Group
Boston Children's Hospital
Boston, MA, United States*

11:24 AM–11:32 AM Discussion

#142

11:33 AM–11:38 AM

Last to Fuse, First to Fail: A New Developmental Paradigm for the Acetabulum Unifying Dysplastic Conditions at Skeletal Maturity*Katherine Hajdu; Kurando Utagawa; Rachel McKee; Benjamin Asbury; J. Court Reese; **Jonathan Schoenecker, MD, PhD;** Courtney Baker, MD
Vanderbilt University Medical Center
Nashville, TN, United States*

#143

11:39 AM–11:44 AM ♦

Osteotomy-Free Correction of Acetabular Dysplasia: Proof of Concept of the SHALE Procedure***Matthew Halanski, MD;** Brittney Kokinos; Jun Mei; Cameron Jeffers; Vamsikrishna Kurakalva; Teng Teng Tang; Subham Badhyal; M. Wade Shrader, MD; Tom Crenshaw; Xiangjia Li
Phoenix Children's
Phoenix, AZ, United States*

11:45 AM–11:53 AM Discussion

AWARDS AND
PRESIDENTIAL TRANSFER

11:54 AM–12:45 PM

Room: Gatlin C

11:54 AM–11:59 AM

Introduction Distinguished Achievement Award*Kevin Shea, MD*

12:00 PM–12:15 PM

Distinguished Achievement Award Winner*John "Jack" Flynn, MD*

12:16 PM–12:19 PM

2027 Meeting Preview

12:20 PM–12:24 PM

Introduction of Humanitarian Award Winner*Kevin Shea, MD*

12:25 PM–12:30 PM

Humanitarian Award Winner*Martin Herman, MD*

12:31 PM–12:34 PM

Award Announcements*John Vorhies, MD*

12:35 PM–12:45 PM

Presidential Transfer



SESSION 8A. TRAUMA: FOCUS ON THE UPPER EXTREMITY

2:00 PM–3:15 PM
Room: Gatlin C

Moderators: R. Carter Clement, MD, MBA & Julie Samora, MD, PhD, MPH

2:00 PM–2:02 PM Introduction

#144

2:03 PM–2:07 PM

Equivalent Two-Year Outcomes of Casting and ORIF for Displaced Medial Epicondyle Fractures in Children

Petra Grahn, MD, PhD; **Ilkka Helenius, MD, PhD**, Professor; Jaakko Sinikumpu, MD, PhD, Prof; Jenni Katariina Jalkanen; Matti Ahonen, MD, PhD
HUS Helsinki University Hospital
Helsinki, Finland

#145

2:08 PM–2:12 PM

Elbow Dislocations in Children: The Impact of a Medial Epicondyle Humerus Fracture

Sydney Schieffer; Juliana Arndt; Holden Husbands; Justin Dvorak; **Joseph Davey, MD**
The University of Oklahoma
Oklahoma City, OK, United States

#146

2:13 PM–2:17 PM

Validation of the Patient Reported Outcomes of Fracture Healing (PROOF-UE)-Upper Extremity Questionnaire for Supracondylar Fractures of the Elbow

Unni Narayanan, MD, FRCSC; Akash Komalanathan; Emma Nachshen; Anne Murphy; Stanley Moll; Mark Camp, MD; Jason Sheng
The Hospital for Sick Children (SickKids)
Toronto, Ontario, Canada

2:18 PM–2:26 PM Discussion

#147

2:27 PM–2:31 PM

Outcomes for Completely Displaced and Rotated Lateral Humeral Condyle Fractures in Children: A Multicenter Study

Jake Goldfarb; Rohit Siddabattula; Rachel Goldstein, MD; Daniel Pereira; Muhammad-Amin Munshi; Julia Sanders, MD; Laura Bellaire, MD; Kevin Neal, MD; Jaime Rice Denning, MD, MS; **Pooya Hosseinzadeh, MD**
Washington University in St. Louis
St. Louis, MO, United States

#148

2:32 PM–2:36 PM

Does One Bone Suffice? Clinical and Radiographic Outcomes of Single vs. Both Bone Forearm Fixation in Children

Andrew Cooper; Tega Diejomaoh; Christopher Carron; William Morris, MD; **Jaysson Brooks, MD**
Scottish Rite for Children
Dallas, TX, United States

#149

2:37 PM–2:41 PM

Hold that K Wire! Fixing Nondisplaced Distal Forearm Fractures in Pediatric Floating Elbow Injuries is Unnecessary

Maia Regan; Akbar Syed; **Keith Baldwin, MD**; CORTICES Study Group
Children's Hospital of Philadelphia
Philadelphia, PA, United States

2:42 PM–2:50 PM Discussion

#150

2:51 PM–2:55 PM

When Less Is More: Short Casting Durations Are Safe in Pediatric Distal Radius Fractures

Dev Laungani; Martha Kebeh; Amanda Moser; Sayaka Mori; Michelle Kwon; Sulagna Sarkar; **Apurva Shah, MD, MBA**
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#151

2:56 PM–3:00 PM

Outcomes and Complications Associated With Pediatric and Adolescent Distal Radius Fractures Managed With Closed Reduction and Percutaneous Pinning

Julia Conroy; Thomas Pallan; **Joshua Abzug, MD**
University of Maryland School of Medicine
Baltimore, MD, United States

#152

3:01 PM–3:05 PM

Growth on Hold: Uncovering Risk Factors for Physeal Arrest Following Pediatric Distal Radial Physeal Fracture

Varshini Babu, MPH; **Benjamin Gundlach, MD**; Hannah Szapary; Sulagna Sarkar; Nathan Chacras; Rebecca Aguiar, BS; Donald Bae, MD; Scott Mahon, BS; Divya Jain; Amanda Pang; Apurva Shah, MD, MBA
Children's Hospital of Philadelphia
Philadelphia, PA, United States

3:06 PM–3:14 PM Discussion

SESSION 8B. SPINE: EARLY ONSET SCOLIOSIS

2:00 PM–3:15 PM
Room: Gatlin D

Moderators: A. Noelle Larson, MD & Ryan Fitzgerald, MD

2:00 PM–2:02 PM Introduction

#153

2:03 PM–2:07 PM

Effect of Vosoritide on Spine Morphology in Young Children With Achondroplasia: 1-Year Results From a Double-Blind, Randomized Phase 2 Study

Klane White, MD; Melita Irving; Julie Hoover-Fong; Swati Mukherjee; Anne Dee; Christine Rivat; Ian Sabir; Ravi Savarirayan
Children's Hospital Colorado
Aurora, CO, United States

#154

2:08 PM–2:12 PM ★

A Growth-Friendly Transverse Apical Control Technique for Early-Onset Scoliosis: A Porcine Model**Hong Zhang, MD**; Brad Niese; Daniel Sucato, MD, MS
Scottish Rite for Children
Dallas, TX, United States

#155

2:13 PM–2:17 PM

Efficacy of Suspension Bending Cast for Early Onset Scoliosis**Keisuke Masuda**; V. Salil Upasani, MD; Michael Kelly, MD; Burt Yaszay; Carrie Bartley; Tracey Bryan, MA; Peter Newton, MD
Rady Children's Health
San Diego, CA, United States

2:18 PM–2:26 PM

Discussion

#156

2:27 PM–2:31 PM

Radiographic and Functional Outcomes for Sagittal Alignment in Growth Rod Graduates: Are We Able to Rebuild It?Anuj Gupta; Brett Shannon, MD; Petya Yorgova; Paul Sponseller, MD, MBA; Lindsay Andras, MD; **Suken Shah, MD**; Pediatric Spine Study Group
Nemours Children's Hospital, Delaware
Wilmington, DE, United States

#157

2:32 PM–2:36 PM

Shilla Growth Guidance System (SGGS) Instrumentation With Pelvic Foundation for Severe Early Onset Neuromuscular Spine DeformityHannah Geoffroy; **Richard Schwend, MD**; David Bumpass, MD; Jason Muka
The Children's Mercy Hospital
Kansas City, MO, United States

#158

2:37 PM–2:41 PM

Growth Guidance or Posterior Based Distraction in EOS: Can the Modified Clavien-Dindo-Sink Classification System Tell Them Apart?Rayyan Abid; Jason Anari, MD; Katerina Kourpas; Stone Streeter; **Christina Hardesty, MD**; Pediatric Spine Study Group
UH Rainbow Babies & Children's Hospital
Cleveland, OH, United States

2:42 PM–2:50 PM

Discussion

#159

2:51 PM–2:55 PM

Why Won't it Grow? Prediction of Which Early-Onset Scoliosis Patients will Experience Failure to Lengthen of their MCGRSimon Blanchard; Thomas Coleman; Jacob Jordan; Sulagna Sarkar; Tenner Guillaume, MD; Scott Luhmann, MD; Walter Truong, MD; Jason Anari, MD; Pediatric Spine Study Group; **Patrick Cahill, MD**
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#160

2:56 PM–3:00 PM

Does Turning Rods Change Patient Outcomes? Comparing Achieved Lengthening and Complication Rates Between Magnetically Controlled Growing Rod OrientationsSimon Blanchard; Thomas Coleman; Lorena Floccari, MD; Joshua Pahys, MD; Jacob Jordan; Sulagna Sarkar; John Stelzer, MD; Paul Sponseller, MD, MBA; Tenner Guillaume, MD; Michael Vitale, MD, MPH; Peter Sturm, MD; John "Jack" Flynn, MD; Jason Anari, MD; **Patrick John Cahill, MD**; Pediatric Spine Study Group
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#161

3:01 PM–3:05 PM

Do Rib or Spinal Proximal Anchors in Magnetically Lengthening Growing Rod Constructs Yield More Length Gain Over Time?Tiffany Phan; Annika Myers; Jacquelyn Valenzuela-Moss; David Skaggs, MD; Kenneth Illingworth, MD; Scott Luhmann, MD; Tenner Guillaume, MD; Patrick Cahill, MD; Paul Sponseller, MD, MBA; Michael Heffernan, MD; Tyler Tetreault, MD; **Lindsay Andras, MD**; Pediatric Spine Study Group
Children's Hospital Los Angeles
Los Angeles, CA, United States

3:06 PM–3:14 PM

Discussion

SESSION 8C. CASE FILES IN LOWER EXTREMITY TRAUMA AND RECONSTRUCTION

2:00 PM–3:15 PM

Room: Conway

Moderators: Michael Millis, MD & Wendy Ramalingam, MD

2:00 PM–2:02 PM

Introduction

Case 17

2:03 PM–2:05 PM

Osteochondral Allografting of the Femoral Head in Adolescents With Post-SCFE Avascular NecrosisRoy James; Claire Saltzman; Cyrus Etebari; Kevin Latz, MD; Ryan Koehler, MD; **Caleb Grote, MD, PhD**
The Children's Mercy Hospital
Kansas City, MO, United States

2:06 PM–2:11 PM

Discussion

Case 18

2:12 PM–2:14 PM

Arthroscopic Assisted Open Reduction of Traumatic Hip Dislocation in a ToddlerMustafa Hashimi; Maureen Maciel, MD; **Sean Keyes, DO**
AdventHealth Orlando
Orlando, FL, United States

2:15 PM–2:20 PM

Discussion

Case 19

2:21 PM–2:23 PM

Transitional T-type Acetabular Fracture in a Young Adolescent Treated With Open Reduction Internal Fixation**Brian Lynch, MD**; Elizabeth Wang; Rafael Madera
Stony Brook Medicine
Stony Brook, NY, United States

2:24 PM–2:29 PM

Discussion

Case 20

2:30 PM–2:32 PM

Fascia Lata Autograft Reconstruction of a Traumatic Femoral Trochlear Defect in a Pediatric Patient: A Case Report*Haad Arif; Emilio Feijoo, BS; Ellie Starnes; Hamp Sisson;***Shane Strom, MD***The University of Alabama at Birmingham
Birmingham, AL, United States*

2:33 PM–2:38 PM

Discussion

Case 21

2:39 PM–2:41 PM

Pediatric Well-Leg Compartment Syndrome Following Prolonged Femur Fracture Fixation: A Case Report and Lessons Learned*Ryan Lee; Anand Kumar Ramalingam; Chin Yee Woo; Derrick Jun Liang Lam; Mohammad Ashik; Arjandas Mahadev, FRCS**KK Women's and Children's Hospital
Singapore, Singapore*

2:42 PM–2:47 PM

Discussion

Case 22

2:48 PM–2:50 AM

Open Pelvis Fracture in a 4-Year-Old Girl With Complete Disruption of Both SI Joints (APC III) and Sacral Fracture: A Very Rare and Serious Injury Requiring Open Reduction of the SI Joint*Amr Abdelgawad, MD, MBA; Ahmed Hagag, MD, PhD; Ahmed Sabry; Mohamed Said
Maimonides Medical Center
Brooklyn, NY, United States*

2:51 PM–2:56 PM

Discussion

Case 23

2:57 PM–2:59 PM

"I Want To Keep The Bullet!"; Elevated Lead Levels From A Retained Bullet in The Femoral Head*Quinn Johnson; Paola Rullan Oliver; Lainey Bukowiec; Austen Thompson; Travis Turner; David Clark; John Kelly; Emmanouil (Manos) Grigoriou, MD
Mayo Clinic
Rochester, MN, United States*

3:00 PM–3:05 PM

Discussion

Case 24

3:06 PM–3:08 PM

Not Your Routine Endocrinopathy - Lessons from Atypical SCFE Presentation**Kirsten Norrell, MD***University of Florida
Gainesville, FL, United States*

3:09 PM–3:14 PM

Discussion

**8D. PRACTICAL APPROACHES TO COMPLICATIONS AND MEDICOLEGAL ISSUES IN PEDIATRIC ORTHOPAEDICS****2:00 PM–3:15 PM****Room: Gatlin E3-5****Chairs: Steven Frick, MD & Blake Montgomery, MD****Facilitators: Jaime Denning, MD, MS; V. Salil Upasani, MD; Brendan Williams, MD**

This interactive small-group discussion session aims to enhance the understanding of the multifaceted nature of complications in pediatric orthopaedics. Attendees will gain practical insights and strategies that they can implement in their practice to better manage personal challenges and improve patient care.

2:00 PM–2:03 PM

Introduction*Steven Frick, MD & Blake Montgomery, MD*

2:04 PM–2:11 PM

Second Victim Syndrome*John Anthony "Tony" Herring, MD, FRCS*

2:12 PM–2:19 PM

Communicating After a Complication*Jennifer Bauer, MD, MS*

2:20 PM–2:34 PM

Roundtable Discussion

2:35 PM–2:42 PM

Surgeons Will be Sued: What Are the Medicolegal Ramifications?*Steven Frick, MD*

2:43 PM–2:50 PM

Roundtable Discussion

2:51 PM–2:58 PM

Unpacking Medical Legal Review*Derek Kelly, MD*

2:59 PM–3:15 PM

Questions & Wrap Up*Steven Frick, MD & Blake Montgomery, MD*

SESSION 9. TRAUMA: LOWER EXTREMITY FRACTURES— NAILING, BRACING, AND REMODELING

3:40 PM–4:55 PM

Room: Gatlin D

Moderators: Scott Rosenfeld, MD & Benjamin Sheffer, MD

#162

3:40 PM–3:44 PM

Retrospective Review of Perioperative Complications in Pediatric Patients Treated for Ankle Fractures

Andrew Cooper; Chinelo Onubogu; Rusty Hartman; Jacob Zide, MD;

Anthony Riccio, MD

Scottish Rite for Children
Dallas, TX, United States

#163

3:45 PM–3:49 PM

Predicting Distal Tibia Remodeling in Pediatric Fractures Using an AI-Modified Friberg-Based Model: Model Development and Retrospective Validation

Kinsley Wang; Faith Youkhana; Angel Roman; Michael Puchowicz; Andrew Ritchey; **David Bennett, MD**
Phoenix Children's
Phoenix, AZ, United States

#164

3:50 PM–3:54 PM

Reduced Hardware Prominence and Reoperation Rates With Lateral-Only Flexible Medullary Nailing in Pediatric Tibial Shaft Fractures: A Retrospective Comparative Cohort Study

Alan Villegas Meza; Mohammad Diab, MD; **Jaclyn Hill, MD**
UCSF Health
San Francisco, CA, United States

3:55 PM–4:03 PM

Discussion

#165

4:04 PM–4:08 PM

Flexible Nailing for Pediatric Femur Fractures: A Comparison of Titanium versus Stainless Steel Nails

Aidan Sweeney; Sofie-Ellen Stroeve;

Nicholas Fletcher, MD

Children's Healthcare of Atlanta
Atlanta, GA, United States

#166

4:09 PM–4:13 PM

Prefabricated Function Bracing Versus Spica Casting for Femur Fractures in Young Children: Lowering the Cost of Care

Matthew Frederickson; Nicholas Stamatos; Patrick Wise; Holly Leshikar, MD, MPH; **Amanda Whitaker, MD**
University of California, Davis
Sacramento, CA, United States

#167

4:14 PM–4:18 PM

Dynamic Abduction Bracing as an Alternative to Spica Casting: Comparable Clinical Outcomes With Reduced Hospital Burden

Paola Rullan Oliver; Adam Rasmussen; **Todd Milbrandt, MD**; Anthony Stans, MD; Emmanouil (Manos) Grigoriou, MD; A. Noelle Larson, MD
Mayo Clinic
Rochester, MN, United States

4:19 PM–4:27 PM

Discussion

JPOSNA® SPOTLIGHT PAPERS

The following are the most viewed/downloaded papers between June 2024 and June 2025.

4:28 PM–4:32 PM

Hip Dysplasia and Dislocation in Down Syndrome: Is There Evidence to Support Consideration of Routine Hip Surveillance?

Rikki Koehler, MD; Rubini Pathy, MD; Daniel Gregory, PhD; James F. Mooney III, MD; Mary E. Gannotti, PT, PhD
Children's Mercy Hospital
Kansas City, MO

4:33 PM–4:37 PM

Long Leg Versus Short Leg Cast Immobilization for Treatment of Salter-Harris II Distal Tibial Fractures After Closed Reduction: A Multisite Retrospective Study

Christopher D. Souder, MD; James D. Spearman Jr., MD, MBA; Holly Hughes Garza, DVM, MPH; Lori A. Thornton, RN, FNPC; Jessica M. Treiber, MPH, PA-C; Ainsley Bloomer, MD; Brian P. Scannell, MD; Christine A. Ho, MD
Rady Children's Hospital
San Diego, CA

4:38 PM–4:42 PM

Hip Dysplasia in Patients With Charcot-Marie-Tooth Disease: Unraveling an Underrecognized Condition

Nathan Chaclas, BS; Carter E. Hall, BS; Sabrina Yum, MD; Mark Seeley, MD; **Wudbhav N. Sankar, MD**
Children's Hospital of Philadelphia
Philadelphia, PA

4:43 PM–4:51 PM

Discussion

4:52 PM–4:55 PM

Wrap-Up and Farewell



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BASIC SCIENCE

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Assessing Bacterial Presence on Painted and Unpainted Fingernails in Orthopaedic Providers in a Simulated Operative Protocol

Jakub Ratkowski, MD; Jennafir Ernst; Elizabeth Stewart; James Moeller;

Daniel Grant, MD

West Virginia University Health System, Morgantown, WV, United States

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Gene Variants Characterize and Distinguish Osteochondromas in Patients with Multiple Hereditary Exostosis

Christina Mundy; Caroline Kim; Divya Talwar, PhD, MPH, BDS; Maurizio Pacifici; **Alexandre Arkader, MD** Children's Hospital of Philadelphia, Philadelphia, PA, United States

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Increased Collagen Accumulation and Enrichment of TGF β Pathways in the Mouse Caudal Intervertebral Disc Following Growth Rod Instrumentation

Lucas Budd; Olanrewaju Akande; Rachana Vaidya; Christian Gonzalez; Simon Tang; **Blake Montgomery, MD** Children's Hospital of Philadelphia, Philadelphia, PA, United States

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Local Administration of Clodronate, Simvastatin, and Hydroxyapatite in an Immature Piglet Model of Femoral Head Osteonecrosis for Legg-Calve Perthes Disease

Paola Rullan Oliver; Emil Varas; Joseph Panos; Christopher Nagelli; **Emmanouil (Manos) Grigoriou, MD** Mayo Clinic, Rochester, MN, United States

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Microwave Ablation (MWA) of the Porcine Tibia Growth Plate: An Optimized Approach

Nassim Farhat; **Kenneth Noonan, MD** University of Wisconsin, Madison, WI, United States

♦ Research supported by POSNA grant

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Quantifying 3D Spinal Deformity Corrective Moment and Spine Stiffness in Children with Spinal Muscle Atrophy

Dennis Anderson; Lennert Plasschaert, MD; Hiroko Matsumoto, PhD; Ryan Murdock, MD; **Brian Snyder, MD** Boston Children's Hospital, Boston, MA, United States

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Masahiro Suzuki; David Liu, MD; Michael Millis, MD; Mahdil Aghaaliikhan, Young-Jo Kim, MD; Mohammadreza Movahhedi Boston Children's Hospital, Boston, MA, United States

CONGENITAL, SYNDROMIC, AND SKELETAL DYSPLASIA

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Crossing a New Bridge: Understanding the Abyss of Transition of Care for Teenagers and Young Adults With Osteogenesis Imperfecta

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Milud Shadi, MD, PhD; Tomasz Kotwicki; Piotr Janusz, MD, PhD Poznan University of Medical Sciences, Department of Spine Disorders and Pediatric Orthopedics, Poznan, Poland

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Ashley Startzman, DO; Lindsey Tully Shriners Children's Greenville, Greenville, SC, United States

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Lauren Hyer, MD; Clarice Ribeiro Soares Araujo; Noémi Dahan-Oliel, PhD; Jacob Bailey; **David Westberry, MD** Shriners Children's Greenville, Greenville, SC, United States

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María Galán-Olleros; Farrukh Munshey; Lipika Soni; Ashley Harvey; Tobias Everett; **Maryse Bouchard, MD, MSc, FRCSC**, Hernan Gonorazky, Eliza Nigro The Hospital for Sick Children (SickKids), Toronto, ON, Canada

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Sungmin Kim Chonnam National University Hospital, Gwangju, South Korea

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David Liu, MD; Mahdi Aghaalkhani; Saral Patel; Shanika De Silva; Yi-Meng Yen, MD; Young Kim, MD; Mohammadreza Movahhedi; Ata Kiapour, PhD, MMSc
Boston Children's Hospital, Boston, MA, United States

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Dayton Children's Hospital, Dayton, OH, United States

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Seattle Children's Hospital, Seattle, WA, United States

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Atrium Health Musculoskeletal Institute, Charlotte, NC, United States

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Boston Children's, Boston, MA, United States

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The Children's Mercy Hospital, Kansas City, MO, United States

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Taylor Johnson; Lauren Osborne; Laura Mayfield, MPH; William Morris, MD; David Podeszwa, MD; Chan-Hee Jo, PhD; Daniel Sucato, MD, MS
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Nationwide Children's Hospital, Columbus, OH, United States

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Paul Sponseller, MD, MBA; Maria Polo Miranda; Sydney Thai; Jessica Siragusa
Johns Hopkins Health System, Baltimore, MD, United States

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Alastair Sterns; Jacquelyn Valenzuela-Moss; Nicole Mueske; **Jonas Owen, MD**
Children's Hospital Los Angeles, Los Angeles, CA, United States

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Hospital for Special Surgery, New York, NY, United States

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Children's Hospital of Philadelphia, Philadelphia, PA, United States

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Campbell Clinic, Germantown, TN, United States

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Children's Hospital of Philadelphia, Philadelphia, PA, United States

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Duke University Health System, Durham, NC, United States

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Children's Hospital Los Angeles, Los Angeles, CA, United States

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Duke University Health System, Durham, NC, United States

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Hospital for Special Surgery, New York, NY, United States

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The University of Alabama at Birmingham, Birmingham, AL, United States

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Colyn Watkins, MD; Carly McDermott, MS; Marie Murray, BA; Patricia Miller, PhD; Brian Snyder, MD; **Benjamin Shore, MD, MPH, FRCSC**
Boston Children's Hospital, Boston, MA, United States

SPINE

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A Multidisciplinary Approach Lowers Surgical Site Infections (SSI) in Adolescent Idiopathic Scoliosis (AIS) But Has Not Improved SSI Rates for Non-Idiopathic Patients: Insights from a Ten-Year Cohort Study (2012-2022)

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Matthew Halanski, MD; Brittney Kokinos; Cameron Jeffers; Tom Crenshaw
Phoenix Children's Hospital, Phoenix, AZ, United States

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Roy James; **K. Aaron Shaw, DO, FAAOS**; Michael Benvenuti, MD; John Anderson, MD; Richard Schwend, MD
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Blood Loss and Allogenic Transfusion Is Significantly Lower in the Modern Era of Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis

Terrence Ishmael, MBBS; Steven Hwang, MD; Joshua Pahys, MD; Suken Shah, MD; Satoshi Takada; V. Salil Upasani, MD; Nicholas Fletcher, MD; Tracey Bryan, MA; Peter Newton, MD; Harms Study Group; Amer Samdani, MD
Shriners Children's Philadelphia, Philadelphia, PA, United States

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Firoz Miyanji, MD, FRCSC; Shaina Sim; Hani Alharbi; Abdullah AlDuwaisan
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Emily Lunde; Adam Rasmussen; Donald Potter; Todd Milbrandt, MD;

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Mayo Clinic, Rochester, MN, United States

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Boston Children's Hospital, Boston, MA, United States

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Scottish Rite for Children, Dallas, TX, United States

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Alex La Poche; Austin Montgomery; John Sestito; James Hutchison; Thomas Romanelli; Andrew Franklin; Gregory Mencia, MD; Jeff Martus, MD; **Craig Louer, MD**
Vanderbilt University Medical Center, Nashville, TN, United States

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Ayane Rossano; Cassidy Shields, MD; Zoe Cook; Kirsten Ross, MD;

Brian Kaufman, MD

The University of Texas at Austin - Dell Medical School, Austin, TX, United States

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Evaluating the Effect of Age at Growing Rod Insertion on Final T1-T12 Height

Blake Montgomery, MD; Patrick Cahill, MD; Scott Luhmann, MD; Simon Tang; Michael Heffernan, MD; Pediatric Spine Study Group; Brett Lullo, MD
Children's Hospital of Philadelphia, Philadelphia, PA, United States

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Boston Children's Hospital, Boston, MA, United States

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Vanderbilt University Medical Center, Nashville, TN, United States

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Vivek Abraham; Karina Zapata, PT, DPT, PhD; Burt Yaszay; Mark Erickson, MD; Ron El-Hawary, MD, MSc; Pediatric Spine Study Group; Amy McIntosh, MD; Pediatric Spine Foundation
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Vanderbilt University Medical Center, Nashville, TN, United States

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John Braun, MD; Sofia Federico
Massachusetts General Hospital, Boston, MA, United States

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ePoster 75**Intraoperative Traction Does Not Improve Curve Correction or Pelvic Obliquity Within a Matched Cohort of Patients with Neuromuscular Scoliosis**

Alastair Sterns; Jacquelyn Valenzuela-Moss; Tyler Tetreault, MD; Tiffany Phan; Efrain Amaro; Ian Fletcher; Gerard Williams; Lindsay Andras, MD; **Michael Heffernan, MD**
Children's Hospital Los Angeles, Los Angeles, CA, United States

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Nathan Houlihan; Sara Morgan, PhD; Jeffrey Sawyer, MD; Walter Truong, MD; **Ying Li, MD**; Pediatric Spine Study Group
University of Michigan, Ann Arbor, MI, United States

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Anuj Gupta; **Satoshi Takada**; Zhe Yuan; Brett Shannon, MD; Jason Howard, MD, FRCSC; M. Wade Shrader, MD
Nemours Children's Hospital, Delaware, Wilmington, DE, United States

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David Foley; **Wasim Shihab, MD**; Tyler Christman, DO, MS; Aki Puryear, MD, MHA, MS, FRCs
Riley Children's Hospital, Indianapolis, IN, United States

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Kevin Neal, MD; Ramin Espandar, MD; Taghi Ramazanian; Mona Mathew; Anna Rambo, MD
Nemours Children's Health, Jacksonville FL, United States

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Vivien Chan; Kenneth Illingworth, MD; Andy Nguyen; Jeffrey Chung; **David Skaggs, MD**
Cedars-Sinai, Los Angeles, CA, United States

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Karina Zapata, PT, DPT, PhD; **Banahene Glover, BS**; Alexander Palma; Kara Davis; Chan-Hee Jo, PhD; Megan Johnson, MD
Scottish Rite for Children, Dallas, TX, United States

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Joseph Magoline; Ethan Samora; Ryan Fitzgerald, MD; Michelle Welborn, MD; Pediatric Spine Study Group; **Lorena Floccari, MD**; Pediatric Spine Study Group
Akron Children's Hospital, Akron, OH, United States

ePoster 83**Non-operative Treatment Protocol for the Management of Acute Spondylolysis in Adolescent Athletes: Excellent Rates of Return to Sport and Clinical Resolution in 179 Patients**

Patrick Nian; Amith Umesh; Ithika Senthilnathan; Isabella Marsh; Austin Kaidi; Shevaun Doyle, MD; John Blanco, MD; Roger Widmann, MD; **Jessica Heyer, MD**
Hospital for Special Surgery, New York, NY, United States

ePoster 84**Outcomes After Surgical Correction of Severe Scoliosis in Patients with Osteogenesis Imperfecta: A Prospective Study with Radiographic and Patient-Reported Outcomes**

Satoshi Takada; Suken Shah, MD; Hiroshi Taneichi; Anuj Gupta; Petya Yorgova; Andrea Elsby; Tyler McDonald, MD; Richard Kruse, DO, MBA; Jeanne Franzone, MD
Nemours Children's Hospital, Delaware, Wilmington, DE, United States

ePoster 85**Point of Care Spirometry in Children with Early Onset Scoliosis: A Prospective Study**

Klane White, MD; Sungmin Kim; Patrick Cahill, MD; Viral Jain, MD; Megan Johnson, MD; Amy McIntosh, MD; Kevin Smit, MD; Brian Snyder, MD; Gregory Redding; Pediatric Spine Study Group Children's Hospital Colorado, Aurora, CO, United States

ePoster 86 ◆**Predicting Non-Idiopathic Scoliosis from Plain Radiographs: A Deep Learning Approach**

Kellen Mulford; Hans Nugraha, MD; Julia Todderud; Andrew Pumford; Todd Milbrandt, MD; Mel Helgeson; **A. Noelle Larson, MD** Mayo Clinic, Rochester, United States

ePoster 87**PROMIS Anxiety is Responsive in Assessing Suicide Risk in Adolescents with Spine Concerns**

Karina Zapata, PT, DPT, PhD; Emily Gale; Caroline Roberts; Paloma Merida; Chan-Hee Jo, PhD; **Brandon Ramo, MD** Scottish Rite for Children, Dallas, TX, United States

ePoster 88**Rib Resectioning Increases Pain and Opioid Consumption in Adolescent Idiopathic Scoliosis Patients Undergoing Posterior Spinal Fusion**

Vishal Sarwahi, MBBS, MS; Anabelle Cohen; Alexander Morledge; Katherine Eigo; Brian Li; Jay Modi; Viraaj Sarwahi; Victor Koltenyuk; Aravind Patil; Yungtai Lo; Jon Paul DiMauro, MD; **Terry Amaral, MD** Northwell Health, New Hyde Park, NY, United States

ePoster 89**Robotic-Assisted and Computer-Assisted Navigation in Posterior Spinal Fusion for Idiopathic Scoliosis is Associated with Decreased Intraoperative Radiation Dose but Increased Overall Cumulative Dose Compared to Freehand Technique**

Isabella Marsh; Ithika Senthilnathan; Patrick Nian; John Carrino; John Blanco, MD; Roger Widmann, MD; **Jessica Heyer, MD** Hospital for Special Surgery, New York, NY, United States

ePoster 90**Safe, Satisfied, and Home Early: Patient Reported Outcomes of Next-Day Discharge in AIS**

Alyssa Barré, MD; Andrew Kirk; Vincent Prusick, MD; Shelby White; **Ryan Muchow, MD** University of Kentucky, Lexington, KY, United States

ePoster 91**Sealing the Deal: Incisional Vacuum-Assisted Closure Reduces Infection Following Neuromuscular Posterior Spinal Fusion**

Maia Regan; Colby Freeman; Nakul Talathi, MD; David Spiegel, MD; John "Jack" Flynn, MD; **Keith Baldwin, MD** Children's Hospital of Philadelphia, Philadelphia, PA, United States

ePoster 92**Second Generation 2-5 Year Results of Vertebral Body Tethering of Adolescent Idiopathic Scoliosis**

Lawrence Haber, MD; Samantha Ahrens; Melanie Boeyer, PhD; Daniel Hoernschemeyer, MD; A. Noelle Larson, MD Ochsner Health, Jefferson, LA, United States

ePoster 93**Should We Rely on Abnormal Neurological Exam and X-ray to Detect Syringomyelia/Chiari Malformation in Patients with Scoliosis?**

Lucas Budd; Jennifer Strahle; John Vorhies, MD; Simon Tang; **Blake Montgomery, MD** Children's Hospital of Philadelphia, Philadelphia, PA, United States

ePoster 94**The Closing Argument: A Randomized Controlled Trial of Three Spinal Wound Closure Methods for Adolescent Idiopathic Scoliosis (AIS)**

Alastair Sterns; Pasha Shakoori; John Wyatt; Tishya Wren, PhD; Jasmine Gasca, PA-C; Kenneth Illingworth, MD; Tyler Tetreault, MD; Michael Heffernan, MD; Vernon Tolo, MD; David Skaggs, MD; **Lindsay Andras, MD** Children's Hospital Los Angeles, Los Angeles, CA, United States

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ePoster 98**The Modified Clavien-Dindo-Sink (mCDS) Grading System May Lead to Elevated Casting Complication Severity in Early Onset Scoliosis (EOS) Patients**

Elinor Stern; Elizabeth Kappler; Jason Anari, MD; Sumeet Garg, MD; **Ying Li, MD;** Pediatric Spine Study Group University of Michigan, Ann Arbor, MI, United States

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ePoster 99**Utilizing Robotic-Assisted Navigation in Early Onset Scoliosis: A Multicenter Perspective**

Christopher Williams; Isabella Marsh; Margaret Sullivan; Daniel Hedequist, MD; Mark Erickson, MD; Craig Birch, MD; Grant Hogue, MD; Michael Hresko, MD; Kirsten Ross, MD; Robert Murphy, MD; Dennis Devito, MD; Roger Widmann, MD; **Jessica Heyer, MD**; The Spine Procedure Assisted with RoboTic And Navigation (SPARTAN) Group Hospital for Special Surgery, New York, NY, United States

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Henry Ellis, MD; Hayes Martin; Keinan Agonias; Benjamin Johnson; Colby Wilkens; Bobby Van Pelt, MPH; Charles Wyatt, NP; John Arvesen, MD; Philip Wilson, MD
Scottish Rite for Children, Dallas, TX, United States

ePoster 101**Adapted Ballet as a Musculoskeletal Intervention for Children with Autism Spectrum Disorder: A Pilot Study**

Camila Vicioso; Taylor Mustapich; **Sheena Ranade, MD**
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ePoster 102**An Extra-Osseous Femoral and Trans-Physeal Tibial Iliotibial Band Graft Anterior Cruciate / Lateral Tenodesis Reconstruction (Hybrid ITB ACLR) Provides Excellent Outcomes in Pediatric Patients**

Philip Wilson, MD; Zachary Quanbeck; Charles Wyatt, NP; Antonia Dinulescu; Benjamin Johnson; Henry Ellis, MD
Scottish Rite for Children, Dallas, TX, United States

ePoster 103**Cargo Net Fixation of Osteochondral Defect (OCD) in the Setting of Medial Patellofemoral Ligament (MPFL) Reconstruction**

Rachel Randall, MD
Marshfield Clinic, Marshfield, WI, United States

ePoster 104**Clinical Outcomes and Return-to-Sport Rates in Skeletally Mature Adolescents with TT-TG ≥ 20 mm Treated with MPFL Reconstruction with or Without TTO**

Lucas De Virgilio; Matthew Milewski, MD; Emma Gossman; Subrina Farah; Kaellan Foudray; Mininder Kocher, MD, MPH; Dennis Kramer, MD; Yi-Meng Yen, MD; **Benton Heyworth, MD**
Boston Children's Hospital, Boston, MA, United States

ePoster 105**Clinical, Radiological and Functional Outcomes of MPFL Reconstruction in Adolescents With Patella Alta: Is Distal Realignment Really Necessary?**

Alberto Losa Sánchez; **Joaquín Nuñez De Armas, MD**; Luis Moraleda Novo, MD, PhD
Hospital Universitario La Paz, Madrid, Spain

ePoster 106**Comparing Knee Function and Psychological Readiness After Revision ACL Reconstruction Compared to Primary Reconstruction**

Melissa Christino, MD; Dai Sugimoto; Angelina Sala; Danielle Hunt; Mininder Kocher, MD, MPH; Dennis Kramer, MD; Yi-Meng Yen, MD; Matthew Milewski, MD
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ePoster 107**Comparing MPFL Reconstruction With and Without Tibial Tubercle Osteotomy in Adolescents With High TT-TG Intervals**

Rajvarun Grewal; Andrew Pennock, MD; Garrett Berger; James Bomar, MPH; **Eric Edmonds, MD**
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Smaran Garlapati; Javier Masquijo, MD; Keinan Agonias; **Henry Ellis, MD**; Philip Wilson, MD
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ePoster 109**Do Tibial Tubercle Osteotomies Delay Strength Recovery After MPFL Reconstruction? A Pediatric Patellofemoral Instability Cohort Study**

Ryan Turlip; Caroline Kim; Monika Thothadri; Elliot Greenberg, DPT, PhD; **Brendan Williams, MD**
Children's Hospital of Philadelphia, Philadelphia, PA, United States

ePoster 110 ♦**Dynamic Assessment of Axial Patellofemoral Alignment Using Point of Care Ultrasound**

Elliot Greenberg, DPT, PhD; Sean Owens; Caroline Kim; Naomi Brown; Brendan Williams, MD; **J. Todd Lawrence, MD, PhD**
Children's Hospital of Philadelphia, Philadelphia, PA, United States

ePoster 111**Effect of Post-Operative J-sign and Apprehension on Outcomes following isolated Medial Patellofemoral Ligament Reconstruction in the Skeletally Immature patients**

Alyssa Althoff; Elizabeth Dennis; Honor Paine; Natalie Pahapill; Audrey Wimberly; Matthew Veerkamp; Joseph Nguyen; Jacqueline Brady; Eric Wall, MD; Henry Ellis, MD; Daniel Green, MD; Benton Heyworth, MD; Philip Wilson, MD; Beth Shubin Stein; **Shital Parikh, MD, FACS**
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ePoster 112**Impact of Obesity on Outcomes Following Isolated Medial Patellofemoral Ligament Reconstruction for Patellofemoral Instability In Adolescents**

Lasun Oladeji; Seth Sherman; Honor Paine; Matthew Veerkamp; Daniel Green, MD; Philip Wilson, MD; Henry Ellis, MD; Benton Heyworth, MD; Eric Wall, MD; Beth Shubin Stein; **Shital Parikh, MD, FACS**
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ePoster 113**Influenced by Emotions: Comparing the Relationship Between PROMIS and ACL-RSI Following Primary and Secondary ACL Reconstruction**

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ePoster 114**Is There an Association Between Abnormal Patellofemoral Morphology and Patellofemoral Osteochondritis Dissecans in Pediatric Patients?**

Casey Kuka; Akbar Syed; Brendon Mitchell; Kevin Landrum; Sulagna Sarkar; **Theodore Ganley, MD**

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ePoster 115**Lateral Augmentation Techniques Increase Risk of Arthrofibrosis After ACL Reconstruction in Children and Adolescents: A Multi-Institutional Database Study**

Soroush Baghdadi, MD; Christopher Hamad; Joshua Wiener; Timothy Liu; Soroush Shahamatdar; William Sheppard; Mauricio Silva, MD
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ePoster 116**Lateral Extra-Articular Tenodesis Increases Risk of Arthrofibrosis Following ACL Reconstruction in the Pediatric Population**

Soroush Baghdadi, MD; Christopher Hamad; Kole Joachim; Esther Chung; Richard Bowen, MD;

Phillip Wilson, MD

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ePoster 117**Modified Macintosh Anterior Cruciate Ligament Reconstruction Provides Excellent Outcomes for the Treatment of ACL Tears in Pediatric Patients**

Philip Wilson, MD; Zachary Quanbeck; Charles Wyatt, NP; Antonia Dinulescu; Benjamin Johnson; Henry Ellis, MD
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ePoster 118**Multicenter Comparison of Resorbable Versus Non-resorbable Suture Fixation in Pediatric Tibial Spine Fractures**

Akbar Syed; Devin Genderson; Theodore Ganley, MD; Neeraj Patel, MD, MPH; **Scott McKay, MD**; Tibial Spine Research Interest Group
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ePoster 119**Outcomes and Complications of Bony Bankart Repair in the Adolescent Population**

Rajvarun Grewal; Garrett Berger; **Andrew Pennock, MD**; James Bomar, MPH; Eric Edmonds, MD
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ePoster 120**Piecing It Back Together: Predictors of Repair of Osteochondral Loose Bodies in Adolescent Patellofemoral Instability**

Ryan Turlip; Caroline Kim; Monika Thothadri; J. Todd Lawrence, MD, PhD; Theodore Ganley, MD; Neeraj Patel, MD, MPH; **Brendan Williams, MD**
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ePoster 121**Pre-Operative Jumping J-Sign May Predict Worse Outcomes Following Patellar Stabilization Surgery in Adolescent Patients**

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ePoster 122**Quantifying Risk Factors for Osteochondritis Dissecans in a Pediatric Population: A 30 million Patient Propensity-Matched Retrospective Cohort Study**

Joseph Magoline; Daniel Wagner; David Kaelber; **R. Justin Mistovich, MD, MBA**
University Hospitals Cleveland Medical Center, Cleveland, OH, United States

ePoster 123**Rates of Subsequent Fulkerson Osteotomies After Primary Medial Patellofemoral Ligament Reconstruction in Skeletally Immature Versus Mature Pediatric Patients**

Jacob Carl, MD; Ted Sousa, MD;

Rina Yan

Shriners Children's Spokane, Spokane, WA, United States

ePoster 124**The Glenoid Track Width is Smaller Under Dynamic Loading Conditions during Functional Daily Activities: A Finite Element Analysis Study**

Christian Klemm; Tetsuro Sueyoshi; **Charles Chan, MD**, Mauricio Drummond, MD

Stanford Health Care, Palo Alto, CA, United States

ePoster 125**The Multi-Level Axial Patellofemoral Score (MAPS) to Stratify Trochlear Dysplasia Severity**

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ePoster 126**Unstable Condylar Osteochondritis Dissecans Lesions Treated with Suture Bridge Fixation Have High Rates of Osseous Union and Low Rates of Osteochondral Allograft Conversion**

Philip Wilson, MD; Keinan Agonias; Charles Wyatt, NP; Benjamin Johnson; John Arvesen, MD; Henry Ellis, MD
Scottish Rite for Children, Dallas, TX, United States

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ePoster 127 ♦**Cast Length in Distal Radius Fractures has Significant Impact on Patient-Reported Outcomes**

Rebecca Aguiar, BS; Patricia Miller, PhD; Apurva Shah, MD, MBA; Mark Miller, MD; Michael Willey; Donald Bae, MD; **Susan Mahan, MD, MPH**
Boston Children's, Boston, MA, United States

ePoster 128**Cracks in the Healing Code: Risk Factors for Nonunion following Pediatric Scaphoid Fracture**

Simon Blanchard; Dev Laungani; Stone Streeter; Casey Kuka; Sayaka Mori; Sulagna Sarkar; Mary Claire Manske, MD; **Apurva Shah, MD, MBA**
Children's Hospital of Philadelphia, Philadelphia, PA, United States

ePoster 129**Development and Validation of an Automated Pipeline for the Detection of Monteggia Fractures in Pediatric Radiographs**

Sundeep Chakladar; Daniel Pereira; **Neset Tang; Rohit Siddabattula; Muhammad-Amin Munshi; Pooya Hosseinzadeh, MD**
Washington University in St. Louis, St. Louis, MO, United States

ePoster 130**Elastic Stable Intramedullary Nail (ESIN) Treatment of Pediatric Tibial Shaft Fractures: Patients > 75 pounds Have Higher Risk Malunion**

Charles Mehlman, DO, MPH
Dayton Children's Hospital, Dayton, OH, United States

ePoster 131**From Fracture to Contracture: Predictors of Elbow Stiffness following Medial Epicondyle Fractures**

Amanda Moser; Sayaka Mori; Sulagna Sarkar; Edward Dockery; Mary Claire Manske, MD; **Apurva Shah, MD, MBA**
Children's Hospital of Philadelphia, Philadelphia, PA, United States

ePoster 132**Identifying Radiographic Predictors of Successful Management of Pediatric Radial Neck Fractures: Should a Closed Reduction Always Be Attempted Prior to Surgery?**

Molly Hulbert; Alexander Chang; James Bomar, MPH; **Eric Edmonds, MD**
Rady Children's Health, San Diego, CA, United States

ePoster 133**Incidence and Long-Term Outcomes of Pediatric Medial Epicondyle Fractures: A 10- to 50-Year Population-Based Study**

Todd Milbrandt, MD; Hans Nugraha, MD; Quinn Johnson; Sarah Ridenour; Aliya Feroe, MD, MPH; Adam Rasmussen; Kristin Fruth; William Shaughnessy, MD; A. Noelle Larson, MD; Anthony Stans, MD
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ePoster 134**Incidence of Adverse Clinical Outcomes of Femoral Neck Fractures in a Pediatric Population**

Lance Lew; **Soroush Baghdadi, MD; Patricia Miller, PhD; Jill Larson, MD**
Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, United States

ePoster 135**Initial Misdiagnosis of Slipped Capital Femoral Epiphysis: Who is at Risk and What is the Impact?**

Arun Movva; Emily DeMaio; Ilona Lukina; Bryce Maxwell; Romie Gibly, MD, PHD; **Neeraj Patel, MD, MPH**
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ePoster 136**Is Reduction Necessary? Treating Overriding Distal Radius Fractures in Skeletally Immature Children Over 10 Years Old**

Semran Thamer; **Brian Kaufman, MD; Trayce Gray; Matthew Ellington, MD**
The University of Texas at Austin - Dell Medical School, Austin, TX, United States

ePoster 137**Ketorolac Administration During Admission is Not Associated with Non-union Following Treatment of Pediatric and Adolescent Femoral Shaft Fractures**

Ashley Ellingwood; Daniel Woo; Richard Campbell; Christopher Souder, MD; Patrick Curran, MD; James Bomar, MPH; **Rachel Thompson, MD**
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ePoster 138**Not All Reductions Are Equal: Radiographic Predictors of Stiffness After Lateral Condyle Fixation**

Simon Blanchard; Casey Kuka; Wudbhav Sankar, MD; Christine Goodbody; Keith Baldwin, MD; **Nakul Talathi, MD**
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ePoster 139**Operative treatment vs Spica Casting for Treatment of Pediatric Femoral Shaft Fractures in Children Aged 4-6 Years: A Large Multi institutional Age-Stratified Comparative Analysis**

Yamen Abbas; Travis Kotzur; Muhammad-Amin Munshi; Blaire Peterson; **Javad Shariati; Pooya Hosseinzadeh, MD**
Washington University in St. Louis, St. Louis, MO, United States

ePoster 140**Proximal Humerus Fracture-Dislocation in a Toddler: A Critical and Easily Missed Diagnosis**

Amr Abdelgawad, MD, MBA; Ahmed Hagag, MD, PhD; Ahmed Sabry; Mohamed Said
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ePoster 141**Quantifying Proximal Tibial Physeal Injury in Rigid Intramedullary Nailing in Adolescent Patients**

Stephanie Kha, MD; Michael Johnston; Justin Ryan; Christine Farnsworth, MS; Matthew Schmitz, MD; Madeleine Jackson, MD; Christopher Souder, MD
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ePoster 142**Risk Factors and Surgical Sequelae of Physeal Arrest in Pediatric Salter-Harris III and IV Medial Malleolus Fractures**

Owen Roth; Apeksha Gupta; Tolu Adebayo; **Mike Tretiakov, MD**
Seattle Children's Hospital, Seattle, WA, United States

ePoster 143 ◆**Skeletal Survey Utilization in Non-Accidental Trauma Workup for Pediatric Femur Fractures**

Maria Canizares, MD, MPH; Walter Truong, MD; Wendy Ramalingam, BS, MD; Collin May, MD, MPH; Patricia Miller, PhD; Scott Rosenfeld, MD; Benjamin Shore, MD, MPH, FRCSC
Boston Children's, Boston, MA, United States

ePoster 144 ◆**Trusting Your Spider Sense... the Value of Clinical Examination and Laboratory Investigation in the Workup of Non-Accidental Trauma**

Maria Canizares, MD, MPH; Kristin Livingston, MD; Patricia Miller, PhD; Scott Rosenfeld, MD; Benjamin Shore, MD, MPH, FRCSC; CORTICES Study Group
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ePoster 145**Untangling the Fishtail: Characterization and Management of Fishtail Deformity Following Pediatric Elbow Fractures**

Andrew Kim; Scott Mahon, BS; Brendon Mitchell; Christine Goodbody; **Apurva Shah, MD, MBA**
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ePoster 146**Use of Allograft for Early Treatment of Traumatic Bone Defects in Children**

Amr Abdelgawad, MD, MBA; Ahmed Hagag, MD, PhD; Ahmed Sabry; Mohamed Said
Maimonides Medical Center, Brooklyn, NY, United States

ePoster 147**Utilizing a Dynamic Abduction Brace for Femur Fractures Eliminates the Need for Spica Car Seats**

Paola Rullan Oliver; Adam Rasmussen; **Todd Milbrandt, MD**; Anthony Stans, MD; Emmanouil (Manos) Grigoriou, MD; A. Noelle Larson, MD
Mayo Clinic, Rochester, MN, United States

ePoster 148**Validation of the Patient-Reported Outcomes of Fracture Healing (PROOF-LE) Questionnaire for Femur Fractures in Children**

Unni Narayanan, MD, FRCSC; Stanley Moll; Anne Murphy; Mark Camp, MD; Jason Sheng; Emma Nachshen; Akash Komalanathan
The Hospital for Sick Children (SickKids), Toronto, Ontario, Canada

ePoster 149**Variation Amongst Orthopedic Surgeons Regarding the Treatment of Pediatric and Adolescent Proximal Humerus Fractures**

Jackson Elkins; Thomas Pallan; **Joshua Abzug, MD**
University of Maryland School of Medicine, Baltimore, MD, United States

ePoster 150**When Zip Code Matters: Socioeconomic Disparities in Pediatric Spinal Trauma**

Christopher Carron; Tega Diejomaoh; Chinelo Onubogu; Brandon Ramo, MD; **Jaysson Brooks, MD**
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Division of Orthopaedic Surgery and Sports Medicine,
Ann and Robert Lurie Children's Hospital, Chicago, IL

Do Prophylactic Antibiotics Decrease Risk of Infection in Closed Percutaneous Pinning of Pediatric Hand Fractures?

Christine A. Ho, MD; Benjamin Montanez, MD; Sonia Chaudhry, MD; Hilton Gottschalk, MD; Andrea Bauer, MD; Krister Freese, MD, **Chinelo Onubogu, BA**; Adam P. Weaver, PT,

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Relative Closure of Growth Plates in the Upper and Lower Extremity Using a Serial Radiographic Collection

Marlee R. Yancey, BA; Neelufar Raja, BA; Ryan J. Furdock, MD; Raymond W. Liu, MD
Rainbow Babies and Children's Hospitals at Case Western Reserve University, Cleveland, OH

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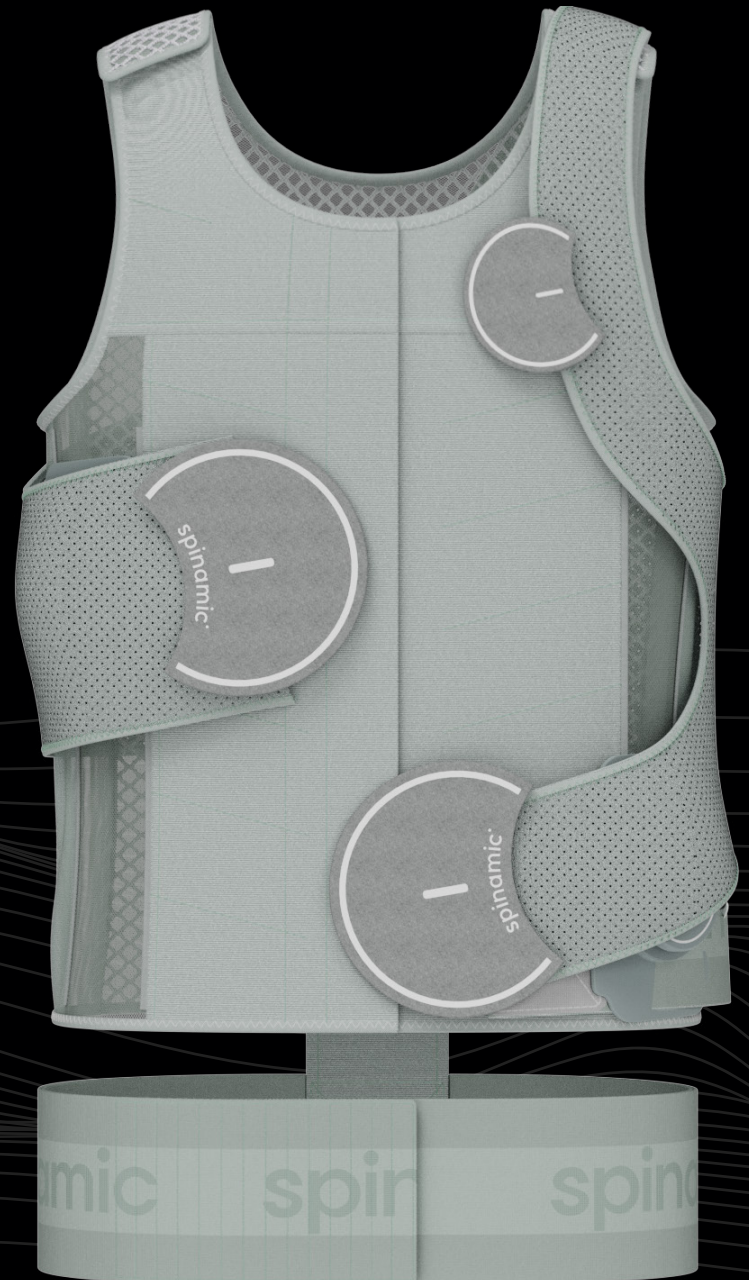
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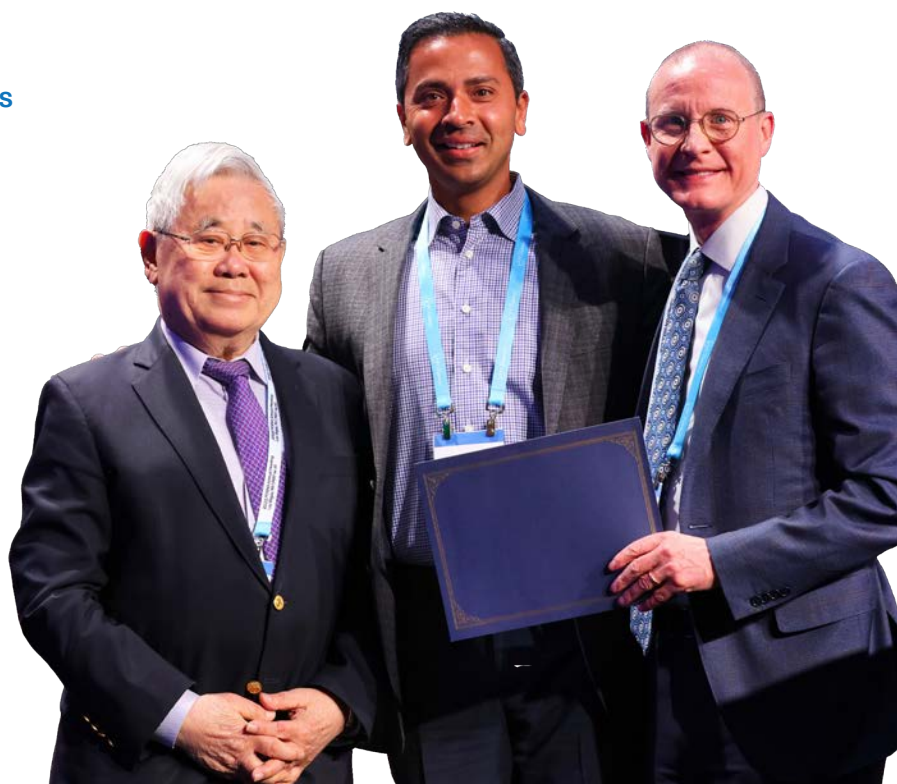
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Knee Biomechanics After Pediatric Meniscus Repair and ACL Reconstruction

Nemours Children's Hospital, Wilmington, DE

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Ultrasound-based Imaging for Patellofemoral Instability

The Children's Hospital of Philadelphia, Philadelphia, PA

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Correlating PFTs to Surface Topography in Patients with Spinal Deformity

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Evidence-Based Guidelines for Opioids After Pediatric Orthopedic Surgeries

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Washington University School of Medicine, St. Louis, MO

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The Differential Effects of Botox and Surgical Lengthening on CP Muscle
The Regents of the University of California, San Diego, San Diego, CA

ARTHUR H. HUENE MEMORIAL AWARD

Roger Cornwall, MD—\$30,000
Targeting Both Muscle Growth and Fibrosis in Neuromuscular Contractures
Cincinnati Children's Hospital Medical Center, Cincinnati, OH

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Achilles Tension Changes with Activity & Surgery in CP Patients-Pilot Study
The Medical College of Wisconsin, Milwaukee, WI

DIRECTED RESEARCH GRANTS (2)

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Patient-Specific Foot & Ankle Surgical Planning: A Novel 3D Model
The Hospital for Sick Children, Toronto, Ontario

Matthew Milewski, MD—\$50,000
Improving Psychological Outcomes for Young Athletes s/p ACL Reconstruction
Boston Children's Hospital, Boston, MA

POSNA RESEARCH GRANTS

Emmanouil Grigoriou, MD—\$30,000
Prevention of Femoral Head Collapse in Legg-Calve-Perthes Disease
Mayo Clinic, Rochester, MN

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Keith Baldwin, MD—\$40,000 total
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Predicting Progression of Adolescent Idiopathic Scoliosis
Children's Hospital Philadelphia, Philadelphia, PA

START-UP GRANT

Susan Novotny, PhD—\$10,000
Biomarkers of Vascular Injury and Repair in Legg-Calvé-Perthes Disease
Gillette Children's, St. Paul, MN

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Continuous Compartment Pressure Monitoring in Adolescent Tibia Fractures
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Spatial Frequency Analysis Ultrasound in Pediatric Neuromuscular Disorders
Medical College of Wisconsin, Milwaukee, WI

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Olivia Brauer, MD—\$2,500
Emissions and Cost of Bracing vs Spica Casting Pediatric Femur Fractures
Children's Hospital of Philadelphia, Philadelphia, PA

Shevaun Doyle, MD—\$2,400
Ultrasound Assessment of Talonavicular Alignment in Clubfoot
Hospital for Special Surgery, New York, NY

Halle Freiman, MD—\$2,500
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Arkansas Children's Hospital

Table 10

Arkansas Children's is the only health care system in the state solely dedicated to caring for Arkansas' 850,000 children. The private, non-profit organization includes two pediatric hospitals with 361 licensed beds, a pediatric research institute and USDA nutrition center, a philanthropic foundation, a nursery alliance, statewide clinics, and many education and outreach programs — all focused on fulfilling a promise to define, discover and deliver unprecedented child health. Arkansas Children's is undergoing a system-wide expansion to expand bed capacity, transform inpatient and outpatient surgical approaches, redesign clinical spaces for multispecialty care and create accessible campus experiences. Learn more at archildrens.org/expansion.



Armstrong Children's Orthopedic Alliance

Table 1

The Armstrong Children's Orthopedic Alliance is dedicated to enhancing the quality of pediatric orthopedic care by providing high-quality and innovative training for healthcare professionals. This initiative was made possible by OrthoPediatrics, which provided the foundational financial support to establish and develop the Alliance and remains its primary industry sponsor — enabling the organization to operate with full academic independence and objectivity. The Alliance honors Dr. Peter Armstrong, recognizing his more than 50 years of unwavering commitment to pediatric orthopedic education and achieving superior outcomes for children.

The Alliance offers several CME courses: the Pediatric Orthopedic Surgical Techniques Course (POST) and the International Children's Spine Symposium (ICSS). Building on its commitment to expanding education across the entire pediatric orthopedic care team, the Alliance has also introduced the Pediatric Orthopedic Masterclass for Advanced Practice Providers — a CME curriculum designed to enhance the knowledge and clinical skills of nurse practitioners, physician assistants, and other APPs working in pediatric orthopedics. Additionally, the Alliance conducts pediatric orthopedic resident training programs in several locations, including Akron, Ohio; Sacramento, California; Houston, Texas; Santiago, Chile; São Paulo, Brazil; and Rosario, Argentina, with plans to expand to more sites.



Ascendis Pharma

Booth 22

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ATEC

Booth 36

ATEC is a medical device company dedicated to revolutionizing the approach to spine surgery through innovation. ATEC's Organic Innovation Machine™ is the greatest concentration of spine knowhow in the industry and committed to the creation of clinical distinction. Leveraging 100% spine focus and expertise, we seek to improve spine surgery by rethinking, redesigning and seamlessly integrating the technologies required from the ground up. The innovation that results from that process is being rapidly adopted because, like us, spine surgeons covet informatic and procedural sophistication that enables more predictable, more reproducible care. Our vision is to be the standard bearer in spine. Visit our website for more information: www.atecspine.com



bioMérieux

Booth 18

A world leader in the field of in vitro diagnostics for 60 years, bioMérieux provides diagnostic solutions that help determine the cause of disease to improve patient health. Our products support the diagnosis of infectious diseases across care settings, including complex musculoskeletal and joint infections. Fast and actionable diagnostics are essential in addressing critical challenges such as antimicrobial resistance and sepsis.



Bioventus

Booth 14

Bioventus' differentiated portfolio represents innovative, next-generation solutions for spine surgery developed in partnership with leading physicians. We take a consultative, value-based approach to help ensure optimized patient outcomes and improved surgeon experiences.

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Bone Solutions Inc.

Booth 21

Bone Solutions is a pioneering company committed to advancing patient outcomes through the development of cutting-edge magnesium-based orthopedic implant solutions. At the core of the Bone Solution is Magnesium, an element crucial to bone health and development.



BSN Medical Inc., an Essity Company

Booth 5 & 6

Essity, formerly BSN Medical, is a global leader in hygiene and health dedicated to Breaking Barriers to Well-being. Our mission is to empower consumers, patients, and caregivers with products and solutions that support healthy, active lives. The name Essity comes from "essentials" and "necessities," reflecting our belief that hygiene and health are the essence of well-being. We deliver highquality, trusted products that help manage everyday health and medical needs. Our portfolio includes leading brands such as DeltaCast® fracture management, Actimove® orthopedic braces and supports, and Leukoplast® acute and postoperative wound care. These essentials are why we are called Essity — because well-being should never be out of reach.



DePuy Synthes

Booth 23 & 28

DePuy Synthes provides one of the most comprehensive orthopaedics portfolios in the world that helps heal and restore movement for the millions of patients we serve. DePuy Synthes solutions, in specialties including joint reconstruction, trauma, extremities, craniomaxillofacial, spinal surgery and sports medicine, in addition to the VELYS™ Enabling Tech portfolio, are designed to advance patient care while delivering clinical and economic value.



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Booth 32

Specialty Manufacturer of Cast Saws, Surgical Power Tools and Associated Consumables.



ENOVIS

Booth 35

We're Enovis—a global medical technology innovator dedicated to improving lives by developing clinically differentiated solutions that enhance patient outcomes and restore motion for life. We strive to make each day better by partnering with the brightest minds in health to advance care that is smarter, personalized, and more effective, while improving operational efficiency for surgeons and clinicians around the world. We do this through our extraordinary talent, a relentless focus on innovation, strategic acquisitions, and a common culture of continuous improvement.



Globus Medical, Inc.

Booth 25 & 26

Long Version: Globus Medical, Inc. is a leading musculoskeletal technology company based in Audubon, PA. The company was founded in 2003 by an experienced group of engineers and business leaders who believed that significantly better patient outcomes in spine surgery were possible. Today Globus Medical is committed to creating products that enable surgeons to promote healing in patients with musculoskeletal disorders. At Globus Medical, listening to customers and responding with action is paramount, and the company is relentlessly focused on solving unmet customer and patient needs with world class engineering and technology.



HELY & WEBER

Booth 15

We design, develop, and deliver innovative orthopedic braces, through collaboration and partnerships, that exceed expectations and achieve exceptional satisfaction and outcomes.



Hospital for Special Surgery

Table 11

The Lerner Children's Pavilion Pediatric Orthopaedic Service at Hospital for Special Surgery (HSS) provides comprehensive diagnostic, medical, surgical and rehabilitative care to help children with musculoskeletal disorders improve their quality of life and achieve the highest level of function. Experts in managing complex cases, we routinely perform spinal deformity surgery and revision spinal surgery, limb reconstruction and limb lengthening, ACL reconstruction, fracture care, growth plate injuries, periacetabular osteotomies (PAOs) for severe hip dysplasia, and both operative/non-operative management of children with cerebral palsy. Our team is committed to clinical and surgical excellence, academic productivity and care for the underserved. The Lerner Children's Pavilion Pediatric Orthopedic Service was ranked Best Children's Hospital for Orthopaedics in New York, New Jersey, and Connecticut for 2024-25.



IMPACCT

Table 6

The Infrastructure for Musculoskeletal Pediatric Acute Care Trials (IMPACCT) is a research consortium of researchers from hospitals across the United States and Canada with collaborators in the United Kingdom that aims to improve the quality of research in pediatric orthopaedic surgery by conducting randomized clinical trials.

Stop by to find out more about IMPACCT's current trials – COMET (Cast or Operation for Medial Epicondyle fracture Treatment in children) and DRIFT (Distal Radius Interventions for Fracture Treatment). Learn about planned future trials and our next conference.



Implanet America

Booth 3

Implanet is the leader in sublaminar band technology with >10 years of success with the Jazz Band System in pediatric deformity surgery and now offers the latest in ultrasonic bone cutting technology, the Olea Ultrasonic Osteotome, and a full line posterior fixation system, the Jazz Spinal System.



McLeod Health

Table 9

The Choice for Medical Excellence

McLeod Health is the region's destination for medical excellence. Our excellence extends from the Midlands to the Coast along the border of North and South Carolina - serving more than one million people. As medical needs grow – we grow, expand, and improve our facilities and services. The McLeod Health network is comprised of 7 hospitals with locations in Florence, Dillon, Manning, Cheraw, Loris, Little River, and Myrtle Beach.

Founded in 1906, McLeod Health is a locally owned and managed, not-for-profit healthcare system which features the strength of more than 900 members on its medical staff and more than 2,900 licensed nurses, and approximately 18,000 team members. McLeod constantly seeks to improve patient care with efforts that are physician led, data-driven and evidence-based.



Medtronic

Booth 11

We are Medtronic. We lead global healthcare technology and boldly attack the most challenging health problems facing humanity by searching out and finding solutions. Our Mission — to alleviate pain, restore health, and extend life — unites a global team of 95,000+ passionate people. Powered by our diverse knowledge, insatiable curiosity, and desire to help all those who need it, we deliver innovative technologies that transform the lives of two people every second, every hour, every day. Expect more from us as we empower insight-driven care, experiences that put people first, and better outcomes for our world. In everything we do, we are engineering the extraordinary.



Merete Technologies Inc.

Booth 29

Merete offers the only staple system currently available on the market for guided growth and growth arrest procedures. Merete is dedicated to advancing pediatric orthopedic care through purposeful innovation and clinical excellence. Our mission is to anticipate and respond to evolving market needs by delivering solutions that enhance surgical efficiency while prioritizing patient outcomes. Merete PediatrOS FlexTack™ and RigidTack™ implant systems redefine treatment with a streamlined, intuitive approach. These advanced staple systems use the proven tension-band principle to address leg-length discrepancies and angular deformities with precision, reliability, and procedural simplicity.

At Merete, we go beyond developing products — we create thoughtfully engineered solutions that empower surgeons, strengthen clinical confidence, and ultimately improve the lives of pediatric patients.



MHE Research Foundation

Table 2

The MHE Research Foundation Five point mission is to REACH, advance and support the following:

RESEARCH: to assist and support researchers in order to one day discover a treatment / cure for MHE. Our foundation works hand in hand with researchers and physicians from around the world in this mission.

EDUCATION: to provide vital clinical informational guides & accompanying video benefiting both families and physicians.

ADVOCACY: bring awareness about this disease throughout the world.

CLINICAL: to provide resources directly to families enabling them to locate the medical care they require.

HOPE: the research being conducted on MHE/MO/HME & the informational resources will bring a better quality of life to the families affected by this disease around the world.



EXHIBIT LISTING

MiRus

Booth 39

MiRus is a medtech company redefining device design through advanced materials science. Its proprietary MoRe® superalloy powers next-generation innovations in structural heart and spine, enabling thinner, stronger, and more durable solutions.



MRGuidance USA Inc.

Booth 4

MRGuidance is a Dutch MedTech company pioneering radiation-free bone imaging with BoneMRI, the world's first software that creates 3D CT-like images of the hip and spine from MRI scans. Designed for adolescents and adults, BoneMRI enhances diagnostics and improves surgical planning and navigation, all without harmful radiation while improving workflow efficiencies.



Nationwide Children's Hospital

Booth 33

Named to the Top 10 Honor Roll on U.S. News & World Report's 2025-26 list of "Best Children's Hospitals," Nationwide Children's Hospital is one of America's largest not-for-profit free-standing pediatric health care systems providing unique expertise in pediatric population health, behavioral health, genomics and health equity as the next frontiers in pediatric medicine, leading to best outcomes for the health of the whole child. Integrated clinical and research programs, as well as prioritizing quality and safety, are part of what allows Nationwide Children's to advance its unique model of care. Nationwide Children's has a staff of more than 17,000 that provides state-of-the-art wellness, preventive and rehabilitative care and diagnostic treatment during more than 1.9 million patient visits annually. As home to the Department of Pediatrics of The Ohio State University College of Medicine, Nationwide Children's physicians train the next generation of pediatricians and pediatric specialists. The Abigail Wexner Research Institute at Nationwide Children's Hospital is one of the Top 10 National Institutes of Health-funded free-standing pediatric research facilities. More information is available at [NationwideChildrens.org](https://www.NationwideChildrens.org).



Nemours Children's Health

Table 4

The Orthopedics team at Nemours Children's Health has been changing the lives of children from around the world since 1940. Our legacy of excellence continues to this day. And year after year, we're ranked among the nation's best. Across the Organization, our programs consist of fellowship-trained pediatric orthopedic surgeons, non-operative physicians, and advanced practice providers that work alongside a highly-skilled staff of registered nurses, certified medical assistants, and orthopedic technicians – all focused solely on caring for pediatric orthopedic patients. We provide access to care close to home for families in convenient locations across the Delaware Valley, Central Florida and North Florida including our two freestanding children's hospitals in Wilmington, Del. and Orlando. We employ advanced technology to diagnose and treat an extensive range of conditions, from common to complex, offering comprehensive surgical and nonsurgical orthopedic care through our highly specialized programs including spine, sports medicine, skeletal dysplasia, osteogenesis imperfecta, clubfoot, complex hip disorders, fractures, and limb lengthening and reconstruction. Our orthopedic services extend beyond the basics to include customized, coordinated care for patients, including mobility devices, orthotics, pain management, physical and occupational therapy, prosthetics and more. Our team members are also actively involved in pediatric orthopedic research and clinical trials that not only impact our patients but help to improve the lives of children everywhere.



New Cast Industry

Booth 31

New Cast Industry offers innovative Hybrid-Mesh cast, HM Cast, the first truly wet/dry cast. With its unique construct, HM Cast allows excellent ventilation, faster application and lighter weight than existing products.



Newclip Technics

Booth 30

Newclip Technics is a French company specialized in the design, manufacturing and commercialization of innovative orthopedic implants. Based near Nantes, it develops solutions for trauma, elective surgery and joint preservation, with strong expertise in upper and lower limb and foot & ankle. All implants and instruments are designed and produced in-house thanks to a close collaboration with surgeons worldwide, ensuring quality and responsiveness.



nView medical

Booth 20

nView medical develops AI-enabled imaging and guidance systems specifically designed for pediatrics.

Its flagship product, the nView s1 with insta-3D™ and true-map navigation™, is a breakthrough guidance system that provides 3D imaging in the operating room with very low levels of radiation.

The nView s1 is the only system capable of providing 3D images from a single C-arm position, that images and registers in seconds.

If you are looking for intraoperative technology that fits in your current workflow and that minimizes radiation, talk to the nView team at POSNA!



Orthofix

Booth 34

Orthofix is a global medical technology company headquartered in Lewisville, Texas. By providing medical technologies that heal musculoskeletal pathologies, we deliver exceptional experiences and life-changing solutions to patients around the world. Orthofix is leading the growth in Limb Reconstruction by providing a specialized product portfolio of internal and external solutions that addresses the most challenging conditions in Extremity Deformity Correction, Limb Lengthening, and Limb Preservation for patients of all ages. In addition, Orthofix solutions include a broad portfolio of biologics, innovative spinal hardware, bone growth therapies, and a leading surgical navigation system. To learn more, visit Orthofix.com and follow on LinkedIn and on Instagram @orthofixlimbreconstruction.



OrthoPediatrics

Booth 1

Founded in 2006, OrthoPediatrics is an orthopedic company dedicated exclusively to advancing pediatric orthopedics. It offers the most comprehensive product portfolio on the market to improve the lives of children with orthopedic conditions. OrthoPediatrics currently markets 5046 surgical systems across trauma and deformity, scoliosis, and other pediatric procedures. The addition of the Specialty Bracing and Enabling Technology divisions further expands its commitment to both surgical and non-surgical care. Its global sales organization focuses solely on pediatric orthopedics and distributes products in the United States and over 70 countries worldwide.

For more information, visit www.orthopediatrics.com



OSSIO

Booth 17

Only OSSIOfiber® implants restore healthy bone using a strong and bio-integrative material, leaving the body renewed without permanent hardware.



EXHIBIT LISTING

OXOS MEDICAL, INC.

Booth 38

OXOS Medical, Inc.® is expanding access to healthcare by developing ultra-portable X-ray devices for use in clinical, surgical, and remote care scenarios. The latest innovation from OXOS, the MC2, is FDA Cleared and uniquely captures static and serial images with dynamic digital radiography and fluoroscopy. MC2 features easy ergonomics, wireless capabilities, and a low radiation profile. OXOS devices are built to improve patient care in outpatient clinics, the military and the VA, sports facilities, hospitals, imaging centers, skills labs, and more.



Pacira BioSciences, Inc.

Booth 9

Pacira BioSciences, Inc. is the industry leader in its commitment to non-opioid pain management and regenerative health solutions to improve patients' journeys along the neural pain pathway. To learn more about Pacira, including the corporate mission to reduce overreliance on opioids, visit www.pacira.com.



POPS

Table 5

The Pediatric Orthopaedic Practitioners Society (POPS) is a non-profit, volunteer-run organization, established in 2005 that exists to advance and enhance the care provided by the Advanced Practice Nurse and Physician Assistant specializing in Pediatric Orthopaedics. By bringing members together we aim to support continuing education, specialized training, research collaboration, mentoring, networking and promotion of our role.



**Pediatric
Orthopaedic
Practitioners
Society**

Rady Children's Health

Table 7 & 8

Rady Children's Health (RCH) is a leading pediatric healthcare system in Southern California, delivering safe, high-quality care with nationally recognized expertise, including a hospital ranked among the nation's top 10 children's hospitals by U.S. News & World Report. With three hospitals, a growing network of primary and specialty care centers spanning six counties, and two of the region's Level 1 pediatric trauma centers, RCH is a trusted partner for families. Building on a combined legacy of more than a century of clinical excellence, the Orthopaedic Institute at RCH offers innovative programs and specialized expertise in treating conditions related to the spine, sports medicine, neuromuscular disease, musculoskeletal tumors, hand, foot, and hip. Our team provides a full spectrum of care for disorders of the bones, joints, ligaments, tendons, and muscles. With a strong research focus in neuro-engineering, robotics, exercise physiology, and functional genomics, we are driven to advance discoveries in treatment and rehabilitation.



**Rady
Children's
Health**

Response Ortho Solutions LLC

Booth 12

Response Ortho® is dedicated to developing innovative, patented solutions for advanced fracture fixation and bone deformity correction. By integrating cutting-edge Pre-Operative Surgical Planning Software, we are redefining orthopedic surgery — empowering surgeons with greater precision and predictability in both fracture reduction and anatomical realignment.



Rubin Institute for Advanced Orthopedics/ Life Bridge Health

Table 7

Whether you are an orthopedic surgeon, podiatrist, or allied health professional, the Baltimore Limb Deformity Course is for you! Our goal is to bring together clinicians dedicated to advancing the treatment of lower extremity deformities. Experience comprehensive lectures, hands-on deformity planning sessions, interactive digital tools, expert-led case presentations, and guidance from internationally renowned faculty. Participants gain in-depth exposure to essential and advanced limb reconstruction concepts, including precise limb alignment, limb lengthening techniques, corrective osteotomies, and modern internal and external fixation methods. The 2025 Course was attended by over 220 clinicians from 34 countries and 31 U.S. states.

Go to www.DeformityCourse.com for more information.



Scottish Rite for Children

Table 3

Scottish Rite for Children is a world-renowned leader in the treatment of pediatric orthopedics, such as scoliosis, clubfoot, hand differences, hip disorders, limb lengthening and reconstruction, sports injuries and fractures, and related arthritic, neurological and learning disorders. Through groundbreaking research and leading-edge education, our experts advance pediatric orthopedic care, serving as the model to emulate for practitioners around the world. U.S. News & World Report ranks Scottish Rite for Children No. 1 in the nation for pediatric orthopedic care in collaboration with Children's Medical Center Dallas and UT Southwestern Medical Center. A nine-time recipient of the NRC Health Excellence in Patient Experience Award, Scottish Rite for Children has been giving children back their childhood for more than a century.



Shriners Children's

Booth 40

Shriners Children's is a leader in providing care for orthopedic conditions, burn injuries, spinal cord injuries and other spine disorders, rehabilitation, sports injuries and craniofacial conditions. We also offer specialized services, including orthotics and prosthetics and motion analysis. We strive to provide the care and support our patients need to reach their goals and discover their full potential. In addition, our healthcare system conducts research to improve our patient's quality of life and offers outstanding educational programs for medical professionals. All care and services are provided regardless of the families' ability to pay or insurance status.

Shriners Children's is a nonprofit organization and relies on the generosity of donors. All donations are tax deductible to the fullest extent permitted by law. For more information, including the full range of disciplines, please visit shrinerschildrens.org.



SPLYZA Inc.

Booth 19

SPLYZA support sports, education and healthcare with application development. Our main product is a software application called SPLYZA Motion—AI-based Single Camera Markerless 3D Motion Capture Analysis app.



Texas Children's Orthopedics and Sports Medicine Center

Booth 60

Texas Children's Orthopedics & Sports Medicine program is a nationally recognized leader in pediatric and adolescent musculoskeletal care, combining subspecialty expertise with an integrated, multidisciplinary approach. Our team of pediatric-trained orthopedic surgeons, sports medicine physicians, advanced practice providers, and rehabilitation specialists delivers comprehensive care grounded in innovation, outcomes, and the unique needs of growing athletes and children. With a strong emphasis on evidence-based practice, advanced imaging and surgical techniques, and seamless coordination across specialties, we partner with families and referring providers to restore mobility, optimize performance, and support lifelong musculoskeletal health.



Turner Imaging Systems

Booth 16

Turner Imaging Systems is a U.S.-based medical imaging manufacturer focused exclusively on portable, point-of-care X-ray solutions. Designed for speed, mobility, and clinical confidence, Turner systems support imaging wherever care is delivered — from operating rooms and clinics to urgent care, sports medicine, and specialty practices.

Turner's portfolio includes the SMART-C® Mini C-Arm and ENDURO® DR Portable X-Ray System, both engineered to deliver high-quality imaging with simplified workflows and minimal infrastructure requirements. By prioritizing ease of use, reliability, and real-world clinical application, Turner Imaging Systems helps healthcare professionals make faster, more informed decisions at the point of care.

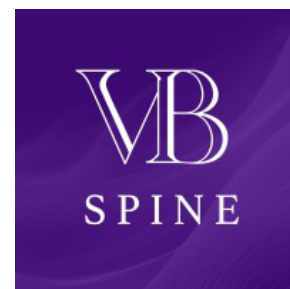
For more information, please visit www.turnerxray.com.

TURNER®

VB Spine

Booth 2 & 37

VB Spine, LLC is the largest privately held spine company and among the largest family-owned medical technology companies in the world. Our globally recognized identity as innovators and stewards of the spine industry reflects our commitment to patient outcomes first. With a comprehensive product portfolio and a large and growing global distribution network, VB Spine delivers specialized solutions that address critical needs in spine surgery and enhance patient outcomes. VB Spine is a strategic partner to Stryker with access to Mako Spine and Copilot. Focused on people, partnerships and operational excellence, VB Spine ensures healthcare professionals have access to the tools and resources needed to provide the highest standard of care. VB Spine is owned and led by the Viscogliosi Brothers. For more information on VB Spine, please visit www.vbspineco.com.



POSNA Gear Now Available Online

Welcome to the POSNA Online Store, where you can find society-branded merchandise, including apparel, such as hats, polos, quarter zips, and tees; backpacks and messenger bags; travel mugs; and more.

Whether you're heading to the hospital, traveling to a meeting, or running errands, these items offer a simple, visible way to represent our community.



Scan QR code and find
your favorite POSNA gear.



#1 Once AGAIN in Florida for ORTHOPEDICS

Highest-Ranked in
Florida by U.S. News
& World Report

**BEST
CHILDREN'S
HOSPITALS**

**U.S. News
& World Report**

**ORTHOPEDICS
2025-2026**



**Joe DiMaggio
Children's Hospital®**

After tearing her ACL on the soccer field, Gianna is standing strong today thanks to the dedicated and award-winning orthopedic specialists at **Joe DiMaggio Children's Hospital**.

JDCH.com



Next-level care for the next generations.

Kids are constantly growing, learning, adapting and exploring. At Akron Children's, we think that's a good example for our Department of Orthopedics to follow. That's why we have:

- **3,000 procedures and 60,000 outpatient visits annually.** All benefiting from a whole-patient, compassionate approach to care combined with the latest in medical innovation.
- **12 orthopedic surgeons, 2 hand/upper extremity surgeons, 2 sports psychologists, 3 adolescent/young adult sports CAQ surgeons, and 10 primary care sports medicine physicians** treating young athletes from middle and high schools, international club teams and NCAA collegiate programs from across our 33-county service area. We are the official sports health services provider for Division 1 athletics at The University of Akron.
- **12 multidisciplinary subspecialty programs**, including Hand and Upper Extremity, Trauma, Deformity/OI/Skeletal Dysplasia and Complex Foot Clinics.
- **Continuously exceeding patient experience benchmarks**, with 95% of patients and families "likely to recommend" our providers.
- **ASC NSQIP first quartile for spine surgery:** case duration, use of adjuvant antibiotics, use of antifibrinolytics, use of neuromonitoring, ICU utilization.
- **Leading-edge Spine Center diagnostics and techniques**, such as growth-friendly instrumentation, preoperative halo-gravity traction, vertebral body tethering, and Spine Center PTs trained in the Schroth method.

ACS CSV Children's Surgery Verification
American College of Surgeons



**THE
COMMITTEE
ON TRAUMA**



Akron Children's

Learn more at akronchildrens.org/orthopedics

MEETING POLICIES



LANGUAGE

English is the official language of the 2026 POSNA Annual Meeting.

NO SMOKING POLICY

Smoking is not permitted during any meeting or event.

EVENT CANCELLATION

Due to circumstances beyond our control, the Pediatric Orthopaedic Society of North America may elect to cancel the Annual Meeting. These circumstances may include, but are not limited to, disaster, severe weather, civil commotion, pandemics, or government laws or regulations. In the event of such cancellation, all Annual Meeting registrants will be notified by email at the address noted in the POSNA database, and registration fees will be refunded in full. Other costs incurred by the registrant, such as airline or hotel penalties, are the responsibility of the registrant.

DISCLAIMER

The material presented at the Annual Meeting has been made available by the Pediatric Orthopaedic Society of North America for educational purposes only. The material is not intended to represent the only, nor necessarily best, method or procedure appropriate for the medical situations discussed but rather is intended to present an approach, view, statement, or opinion of the faculty which may be helpful to others who face similar situations. POSNA disclaims all liability for injury or other damages resulting to any individual attending the Annual Meeting and for all claims which may arise out of the use of the techniques demonstrated therein by such individuals, whether these claims shall be asserted by the physician or any other person.

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 Annual 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 Annual 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.

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SAFETY INFORMATION

NEAREST HOSPITAL

Orlando Health Dr. P.
Phillips Hospital
9400 Turkey Lake Road
Orlando, FL 32819
(407) 351-8500

NEAREST PHARMACY

Walgreens Pharmacy
8021 International Drive
Orlando, FL 32810
(407) 352-7071

LOST & FOUND

Registration Desk

EMERGENCY NUMBERS

Police/fire: 911
City Non-Emergency:
(321) 235-5300
Poison Control
(800) 222-1222

MEDICAL EMERGENCY

If you have an emergency,
or need to report an
emergency, please dial
*55 on any house phone
to reach the hotel security
office. You can also call
911 from any house
phone.



PEAK
POSNA EDUCATION FOR
ADVANCED KNOWLEDGE

Hip

MARCH 5-7, 2028
WYNDHAM GRAND CLEARWATER BEACH, FL

Save the date!

22nd ANNUAL
IPOS[®]
International Pediatric Orthopaedic Symposium

Save the date!

December 1-5, 2026
Loews Royal Pacific Resort
Orlando, FL



POSNA
PEDIATRIC ORTHOPAEDIC SOCIETY
OF NORTH AMERICA

2027 POSNA
Annual Meeting

Save the Date

April 27-29, 2027
JW Marriott Indianapolis
Indianapolis, IN



POSNA
PEDIATRIC ORTHOPAEDIC SOCIETY
OF NORTH AMERICA



Join the POSNA Community

ADVANCING PEDIATRIC ORTHOPAEDICS TOGETHER

Mission: To advance pediatric orthopaedics by promoting education, research, and quality care

Vision: A world with optimal musculoskeletal health for all children



The Pediatric Orthopaedic Society of North America (POSNA) is a not-for-profit professional organization of over 1,700 surgeons, physicians, and allied health members passionately dedicated to advancing musculoskeletal care for children and adolescents through education, research, quality, safety and value initiatives, advocacy, and global outreach to children in underserved areas.

POSNA brings together leaders in pediatric orthopaedics from across North America and around the world to share knowledge, collaborate on research, and mentor the next generation of specialists. Through this collegial network, members build lasting professional relationships and contribute to innovations that shape the future of pediatric orthopaedic care.

Applications for the 2027 membership cycle open June 2026 at [POSNA.org](https://posna.org).

WHY BECOME A POSNA MEMBER?

Membership provides access to a dynamic professional network and a robust portfolio of resources designed to support education, research, leadership development, and collaboration.

MEMBER BENEFITS

- **Reduced registration fees** for the Annual Meeting and the International Pediatric Orthopaedic Symposium (IPOS®)
- **Member publishing rates** for the Journal of the Pediatric Orthopaedic Society of North America (JPOSNA®)
- **More than \$400,000 awarded annually** to support pediatric orthopaedic research
- **Opportunities to serve on 30+ committees**
- Participation in the POSNA-sponsored **Traveling Fellowship Program**
- Opportunity to apply for the prestigious **POSNA Leadership Program (PLP)**
- Involvement in the **POSNA Safe Surgery Program (PSSP)**

EDUCATIONAL RESOURCES

POSNA supports lifelong learning through a wide range of educational programs and digital resources.

- **POSNA Study Guide** — more than 100 curated pediatric orthopaedic topics
- **JPOSNA®** — POSNA's official journal
- **POSNAcademy** — a comprehensive video education platform featuring webinars, tutorials, meeting content, podcasts, and more
- **Resident Review Blog** — educational insights designed for residents and fellows)

EXPLORE THE POSNA NETWORK



POSNA.org
Society news, membership resources, and professional tools



OrthoKids.org
POSNA's trusted resource for families and caregivers



JPOSNA.com
The Journal of the Pediatric Orthopaedic Society of North America (JPOSNA®)



POSNAcademy.org
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Follow POSNA on social media for updates, educational content, and highlights from the pediatric orthopaedic community.



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POSNA Meetings and Courses

IPOS® Meeting

December 1-5, 2026
Orlando, FL
Loews Royal Pacific Resort

December 7-11, 2027
Orlando, FL
Rosen Shingle Creek®

December 5-9, 2028
Orlando, FL
Rosen Shingle Creek®

Annual Meeting

April 27-29, 2027
Indianapolis, IN

May 9-11, 2028
Montreal, Quebec

PEAK-Hip Course

March 5-7, 2028
Clearwater Beach, FL



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