



2025 POSNA Annual Meeting

- ▶ Exciting New Research
- ▶ Friendships and Networking
- ▶ Outstanding Academics
- ▶ Engaging Programs

Final Program



May 14-16

**Las Vegas, Nevada
Caesars Palace**

President: Todd Milbrandt, MD

Program Chair: Julie Balch Samora,
MD, PhD, MPH, FAAOS, FAOA

Local Host: David Stewart, MD



POSNA
PEDIATRIC ORTHOPAEDIC SOCIETY
OF NORTH AMERICA

ACKNOWLEDGMENTS

The Pediatric Orthopaedic Society of North America gratefully acknowledges the following for their generous financial support in 2025.

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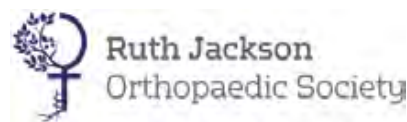
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The Shalom Foundation/Moore Center
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* provided an educational grant

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Women's Networking Lunch

Thursday, May 15th 11:45 am - 1:15 pm



POSNA
PEDIATRIC ORTHOPAEDIC SOCIETY
OF NORTH AMERICA

Pompeian Ballroom Caesar's Palace



Continuing the tradition of excellence



Back (L-R): Anthony Stans, M.D., Todd Milbrandt, M.D., A. Noelle Larson, M.D., Emmanouil Grigoriou, M.D., Nicholas Pulos, M.D.
Front (L-R): Ashley Rosier, Nathan Neis, D.N.P., Molly Lewis, P.A.-C., Charissa Koski, C.N.P., Paul Cyr, D.N.P.

Mayo Clinic celebrates the successful POSNA Presidential year of Todd Milbrandt, M.D., Chair of Pediatric Orthopedic Surgery at Mayo Clinic in Rochester, Minnesota. We take pride in our leaders who provide world-class care to children from all over the world. Our Pediatric Orthopedic surgeons are using innovative surgical techniques to take healthcare to where it's never been before.

PRESIDENT'S LETTER

Dear Friends and Colleagues,

“VIVA LAS VEGAS!!” Our POSNA team formally welcomes you to this entertaining and exciting city. Our local host, Dr. David Stewart, and our Program Committee, chaired by Dr. Julie Samora, have planned quite a show. It might not be a circus, but with all of the information presented, it will be the Greatest Show (in Pediatric Orthopaedics) on Earth!

As I wind down my Presidency, it is a good time to reflect on what POSNA has accomplished this year. My overall feeling is one of awe at the sheer amount of creative energy expended by our members to improve the care of children worldwide. The large amount of discretionary time that it takes to make forward progress is what makes our society stand above the others. We are a passionate and dedicated bunch!

This year, we focused on our strategic plan which Dr. Dan Sucato set in motion. This is an ambitious plan which affects all aspects of POSNA. Some of the highlights of the year:

- ▶ We engaged an outside consultant to direct a deep dive into better understanding our most important constituents—YOU. Focus interviews revealed rich tapestry that is our membership that we will learn from as we program into the future.
- ▶ We rekindled our relationships with other societies that had fallen away during COVID. POSNA was the guest society at the Orthopedic Research Society's Annual Meeting. We participated in a dual Specialty Day with the Orthopedic Trauma Association. Finally, the presidential line (Dr. Eric Edmonds) will be present at the fall SLAOTI meeting along with the traveling fellows.
- ▶ Dr. Kevin Shea led the push to first investigate and then implement ways to engage our own pediatric subspecialty groups to ensure that POSNA remains relevant to all members.
- ▶ A compensation survey is in progress and will give our members more detailed information to assist them as they work with their systems on salary.
- ▶ JPOSNA® has continued to be more successful and likely will be PubMed indexed soon.

Finally, take some time to catch up with your colleagues from around the country and beyond. Las Vegas is an extraordinary backdrop to connect with old and new friends. If the pandemic taught us anything, it is that we crave personal connections and, in my heart, I believe that is the most powerful reason to be involved with POSNA.



Todd Milbrandt, MD
POSNA President



*“So put on
your top hat or your
blue suede shoes
(or sneakers) and
I will see you on
the stage!”*

Todd Milbrandt, MD

LOCAL HOST LETTER

We are thrilled to welcome you to the 2025 POSNA Annual Meeting in Las Vegas, Nevada. At the United States' most popular conference destination, POSNA continues the tradition of academic excellence, impactful research, and collegial fellowship.

The academic meetings and exhibits will be held in downtown Las Vegas at Caesars Palace. Las Vegas' high-quality attractions, entertainment, and dining have made it a top travel destination. Its persona includes assuming the identity of other places. Walking down Las Vegas's central boulevard, one feels transported to New York, Italy, Paris, ancient Egypt, and other exotic destinations. Among wide-ranging shows in theater, music, comedy, and more, the world-class Cirque du Soleil performs in six local venues. At the Sphere, you can watch panoramic vistas on the world's largest LED screen. Numerous restaurants serve fine cuisine from around the world. At the STRAT, the tallest observation tower in the United States, you can make meal reservations on a revolving platform with panoramic views. Scenic Red Rock Canyon with hiking trails, Hoover Dam, and water sports on Lake Mead are each about 40 minutes from the conference venue. Mount Charleston, with a temperate climate and year-round activities, is an hour's drive. The world's longest canyon, the Grand Canyon, can be reached with a 2-hour drive or 45-minute helicopter ride.

In mid-May, the weather is typically warm and pleasant. The conference venue is comfortably conditioned. Nonetheless, the desert environment can be unforgiving. Heat-related illness is a risk with outdoor activities. We advise prioritizing your safety by taking plenty of water, wearing a hat and sunscreen, and going with a group for hikes and other activities.

As your local host, I am delighted to welcome you to fabulous Las Vegas. I hope you will have a wonderful experience with new clinical insights, professional friendships, and lasting memories.

David Stewart, MD
Local Host





CURE 4 THE KIDS FOUNDATION

Pediatric Orthopedic Center



- ✓ We are Nevada's only pediatric orthopedic clinic accredited by The Joint Commission, ensuring the highest standards of healthcare.
- ✓ Focus on quality, safety, and value of care.
- ✓ Prioritize evidence-based medicine approaches.
- ✓ Appointments are typically available within one business day.
- ✓ No patient is turned away for financial reasons, regardless of insurance status.



David Stewart, M.D.

Pediatric Orthopedic Surgeon

Taylor Fong, PA-C

Certified Physician Assistant

Our Locations:

West Side: 1 Breakthrough Way | Las Vegas, NV
89135 (Town Center & 215)

East Side: 4425 S. Pecos Rd., Suite 6 | Las Vegas, NV
89121 (Pecos & Harmon)

www.Cure4TheKids.org



**Pediatric Orthopedics
Fracture & Trauma Care**

**Gait/Mobility Evaluation
Limb Reconstruction**

**Developmental &
Congenital Conditions**

**Multidisciplinary
Special Needs Clinic**

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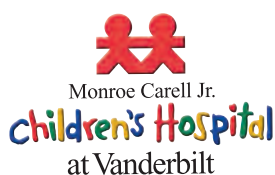
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We've Built Something Special in Nashville

Comprehensive subspecialty expertise in a collegial, academically driven environment where education, research and mentorship thrive. From complex spinal, hip and limb deformities to trauma, tumor and sports medicine, our team delivers expert care across the full spectrum of pediatric orthopaedics.



Our Team: Jeff Martus, Jon Schoenecker, Chelsea Brown, Breann Tisano, Gregory Mencio, Andrew Gregory, Nate Lempert, Craig Louer, Kevin Dale, Courtney Baker, David Ebenezer, Alex Diamond and Caitlyn Mooney



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 50,000 outpatient visits annually.** All benefiting from a whole-patient, compassionate approach to care combined with the latest in medical innovation
- **11 orthopedic surgeons, 2 hand/upper extremity surgeons, 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 exclusive Sports Health partners for Division I athletics at the University of Akron.
- **Twelve 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 1st 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



THE
COMMITTEE
ON TRAUMA



Akron Children's

Learn more at akronchildrens.org/orthopedics

MEET OUR 2025 ANNUAL MEETING PROGRAM COMMITTEE

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

POSNA Program Committee Chair
Chair, Department of Orthopaedics
Akron Children's Hospital
Akron, OH

Christine Ho, MD, FAAOS, FAAP, FAOA

Scottish Rite for Children
Division Director, Department of Pediatric Orthopaedics,
Children's Health Dallas
Professor, Department of Orthopaedics, University of
Texas Southwestern Medical School
Dallas, TX

Anthony Riccio, MD

Professor of Orthopaedic Surgery
Scottish Rite for Children
Dallas, TX

John Vorhies, MD, FAAOS, FAOA

Director of Scoliosis and Spine Deformity Surgery and
Research, Assistant Professor of Orthopedic Surgery
Stanford Medicine Children's Health
Stanford, CA



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



**Christine Ho, MD,
FAAOS, FAAP, FAOA**



Anthony Riccio, MD



**John Vorhies, MD,
FAAOS, FAOA**

THANK YOU – REVIEWERS

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

Luiz Carlos Almeida da Silva, MD	Christine Ho, MD	Z. Deniz Olgun, MD
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Soroush Baghdadi, MD	Elizabeth Hubbard, MD	Jeffrey Peck, MD
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YOUR 2025 BREAKOUT SESSION & SYMPOSIA PLANNERS



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



Corinna Franklin, MD



Christine Ho, MD,
FAAOS, FAAP, FAOA



Derek Kelly, MD,
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Christine Goodbody,
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Anna Rambo, MD



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Jennifer Laine, MD



A. Noelle Larson, MD



Apurva Shah, MD, MBA



Laura Bellaire, MD



Hilton Gottschalk, MD,
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Philip McClure, MD



Benjamin Sheffer, MD

Meet the experts that
will challenge you to
think outside the box

SCOTTISH RITE

FOR CHILDREN



BEST
CHILDREN'S
HOSPITALS

U.S. News & World Report

ORTHOPEDICS
2024-2025

Learn from the best.

The U.S. News & World Report ranking is in conjunction with Children's Medical Center Dallas where our physicians provide services through their faculty appointments at UT Southwestern Medical Center.

Scottish Rite for Children has the largest pediatric orthopedic fellowship in the world. Our former fellows practice, teach and conduct research in all 50 states. We prepare physicians to master both the everyday and the extraordinary with precision and care. **Train here, go anywhere.**

GENERAL MEETING INFORMATION

LEARNING OBJECTIVES

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

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 **14 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 or she 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 or she 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).

REGISTRATION HOURS

Registration Sponsored by VB Spine, LLC

Tuesday, May 13	3:00 PM–6:00 PM
Wednesday, May 14	7:00 AM–5:00 PM
Thursday, May 15	7:00 AM–12:00 PM
Friday, May 16	7:00 AM–2:00 PM

EXHIBIT HOURS

Wednesday, May 14

Exhibits	7:00 AM–5:00 PM
Breakfast	7:00 AM–8:00 AM
Morning Break	10:15 AM–10:35 AM
Afternoon Break	3:20 PM–3:40 PM

Thursday, May 15

Exhibits	7:00 AM–12:00 PM
Breakfast	6:30 AM–8:00 AM
Morning Break	9:45 AM–10:05 AM

Friday, May 16

Exhibits	7:00 AM–3:35 PM
Breakfast	7:00 AM–8:00 AM
Morning Break	10:10 AM–10:30 AM
Afternoon Break	3:15 PM–3:35 PM

SPEAKER READY ROOM HOURS

Room: Salerno

POSNA requires all live electronic presentations to be uploaded using the central computer system.

Tuesday, May 13	3:00 PM–6:00 PM
Wednesday, May 14	7:00 AM–4:00 PM
Thursday, May 15	7:00 AM–10:00 AM
Friday, May 16	7:00 AM–4:00 PM

POSNA MEMBERSHIP REQUIREMENT

Full meeting attendance at the 2025 Annual Meeting fulfills your POSNA membership meeting attendance requirement.

KEVIN G. SHEA, MD

Kevin G. Shea, MD is at Stanford University. He grew up in Montana and California, graduated from the University of Notre Dame, UCLA School of Medicine, and completed his orthopaedic residency at the University of Utah. His advanced training includes pediatric orthopaedics at Rady Children's Hospital in San Diego, AO Fellowship in Bern Switzerland with Dr. Ganz (Hip), Dr. Diego Fernandez (Trauma), and Dr. Hans Staubli (sports), Ilizarov Training in Lecco, Italy. He has done the AOSSM South American Traveling Sports Medicine Fellowship, and education in Russia and former Soviet Bloc countries. Most of his early career was in Boise, Idaho. Dr. Shea is a founding member of the PRISM Society (Pediatric Research in Sports Medicine) and the ROCK (Research in Osteochondritis Dissecans of the Knee) Multi-center Study Group, and the SCORE (Sports Cohort Outcomes Research) Multi-Center Registry for pediatric sports. He has authored more than 270 scientific papers and chapters. His clinic research interests include cartilage and ligament disorders, using pediatric cadaveric tissue and surgical 3D simulations to develop surgeries and improve outcomes for procedures that avoid damage to growth plates. He has years of experience with performance, quality improvement, value, and he worked extensively with the AAOS Quality/Clinical Practice Guideline Committees. He is one of the POSNA members to launch the POSNA Safe Surgery Program. He is a national quality leader in health care with interests in patient safety, risk reduction, and improving value in health care with clinician integration into supply chain. He is an avid cyclist, trail runner, hiker, and spends as much time outside as possible, with his partner Lonnie and their children Beck and Cooper.

POSNA 2026

Rosen Shingle Creek | Orlando, Florida | May 6-8



While you're here for the meeting, you can also enjoy...

- 7,213-yard, 18-hole, par-72 championship course designed by Arnold Palmer Design Company
- Full-service spa
- Four pools
- State-of-the-art fitness center
- Nature trail
- Fishing
- Tennis, volleyball, and basketball courts

Scan to book your housing:





A Growing Program for Growing Bones

POSNA leadership positions for Stanford faculty:

Kevin Shea, MD, president

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

Kali Tileston, MD, Communications Council Chair

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

2025 Annual Meeting presentations and posters:

Designated Spine Anesthesia Teams Improve Perioperative Outcomes for Complex Scoliosis—**Kali Tileston, MD**

A Changing EOS Phenotype in SMA: Nusinersen Use is Associated with Increased Curve Magnitude and Kyphosis at the Time of Index Surgery—**John Vorhies, MD**

Avast Ye Mateys, Infection's a Ruse: It's Scurvy That's Giving Us the Clues!—**John Vorhies, MD**

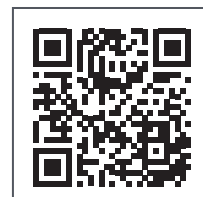
Complications of Pedicle Screw Instrumentation: A Case of Tracheal Erosion in a Ventilator-Dependent Child—**Talissa Generoso, MD**

Biomechanical Evaluation of MPFL Reconstruction Techniques in Pediatric Patellae: A Comparative Analysis of Bone Tunnels and Suture Anchors—**Kevin Shea, MD**

Does Open Triradiate Cartilage Lead to Poor Outcomes Among Cerebral Palsy Patients Undergoing Spinal Fusion?—**John Vorhies, MD**



Learn more



PROGRAM AT A GLANCE

MOBILE APP		Non-CME
	ePosters	
	Virtual Symposia	
TUESDAY, MAY 13		
3:00 PM–6:00 PM	Registration	Milano Foyer
WEDNESDAY, MAY 14		
7:00 AM–5:00 PM	Registration	Milano Foyer
7:00 AM–8:00 AM	Breakfast/Exhibits	Octavius 8-11
8:00 AM–8:50 AM	Opening Ceremony	Octavius 13
8:50 AM–10:10 AM	Session 1. Viva Las Vegas: Trauma	Octavius 13
10:15 AM–10:35 AM	Afternoon/Exhibits Break	Octavius 8-11
10:40 AM–11:55 AM	Session 2 (Concurrent)	
	A. Spine in Sin City	Octavius 13
	B. Neuromuscular & Lower Extremity: Feast or Famine	Milano 1-2
12:20 PM–1:50 PM	POSNA Business Meeting	Roman
2:00 PM–3:13 PM	Session 3 (Concurrent)	
	A. Hip : Go Rich, Come Home Richer	Octavius 13
	B. Innovative Management : Pearls and Strategies	Milano 1-2
3:20 PM–3:40 PM	Afternoon/Exhibits Break	Octavius 8-11
3:45 PM–5:10 PM	Session 4 (Concurrent)	
	A. Sports: We Make Our Own Luck	Octavius 13
	B. A Potpourri of Cases	Roman
	C. The Best Care for Every Patient: Equity in Pediatric Orthopaedics	Milano 1-2
6:00 PM–7:00 PM	Presidential Welcome	Octavius 13
7:30 PM–10:30 PM	Opening Event (Off-site)	Madame Tussauds
THURSDAY, MAY 15		
7:00 AM–11:30 AM	Registration	Milano Foyer
7:00 AM–8:00 AM	Breakfast/Exhibits	Octavius 8-11
8:00 AM–9:40 AM	Session 5 (Concurrent)	
	A. Variety Act	Octavius 13
	B. Show Me Your Hand (and Foot)	Roman
	C. Pediatric Firearm-Related Injury Fireside Chat	Milano 1-2
9:45 AM–10:05 AM	Coffee/Exhibits Break	Octavius 8-11
10:15 AM–11:20 AM	Lead Like Lori Lecture	Octavius 13

PROGRAM AT A GLANCE

FRIDAY, MAY 16		
8:00 AM–3:00 PM	Registration	Milano Foyer
7:00 AM–8:00 AM	Breakfast/Exhibits	Octavius 8-11
8:00 AM–10:05 AM	Session 6. Award-Nominated Papers Act 1	Octavius 13
10:10 AM–10:30 AM	Coffee/Exhibits Break	Octavius 7
10:35 AM–12:00 PM	Session 7. Award-Nominated Papers Act 2	Octavius 13
12:00 PM–12:25 PM	Distinguished Achievement Award	Octavius 13
12:26 PM–12:30 PM	2026 Meeting Preview	Octavius 13
12:30 PM–12:35 PM	Award Announcements	Octavius 13
2:00 PM–3:10 PM	Session 8 (Concurrent)	
	A. What Happens in Vegas: Infection & Tumor	Octavius 13
	B. A Mélange of Cases	Roman
	C. All Aces: A Masterclass in Pediatric Orthopaedics	Milano 1-2
3:15 PM–3:35 PM	Afternoon/Exhibits Break	Octavius 8-11
3:40 PM–4:50 PM	Session 9. Closing Act: Trauma & Equity	Octavius 13
4:50 PM–5:00 PM	Presidential Transfer	Octavius 13
5:00 PM–7:00 PM	Farewell	Octavius Foyer

*Program subject to change

2025
POSNA Annual Meeting

New app coming soon!

May 14-16
Las Vegas, Nevada
Caesars Palace

**POSNA
MEETINGS**

Thank you to our sponsor:

Children's Hospital Colorado
Orthopedics Institute



Leading Orthopaedics Since 1909

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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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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), Exceptional Clinician, POSNA

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

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2025 POSNA Hall of
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2025 INDUCTEES



Daniel R. Cooperman, MD



Liebe S. Diamond, MD



Bruce K. Foster, MD



Wallace B. Lehman, MD



William G. Mackenzie, MD



Nancy Hadley-Miller, MD



Peter O. Newton, MD



William J. Shaughnessy, MD



William C. Warner Jr., MD

DISTINGUISHED ACHIEVEMENT AWARD RECIPIENT FRANCES ANNE FARLEY, MD

Frances Anne Farley, MD, was born in Buenos Aires, Argentina, to parents originally from the Midwest of the United States, which she considers her roots. She grew up in Greenwich, CT, and graduated as co-valedictorian from Greenwich Academy. In 1983, she graduated magna cum laude with a Bachelor of Arts in Zoology and Honors in History from Duke University in Durham, NC. Dr. Farley completed her medical degree at Weill Cornell University Medical College in New York City. She went on to complete her residency in orthopedic surgery at the University of Michigan, in Ann Arbor, MI, and pursued a fellowship in pediatric orthopedic surgery at Texas Scottish Rite Hospital in Dallas, TX.

After finishing her education, Dr. Farley returned to the University of Michigan, where she practiced pediatric orthopedics at C.S. Mott Children's Hospital for 26 years. For 18 of those years, she served as the Chief of the Pediatric Orthopedic Surgery Service. Dr. Farley rose through the academic ranks, becoming a full professor with tenure at the University of Michigan, where she was honored to hold the title of Robert N. Hensinger Professor of Orthopaedics. Dr. Farley has authored 113 peer-reviewed articles with a focus on congenital scoliosis.

In 2020, Dr. Farley left the University of Michigan to become the Chief Medical Officer for Shriners Children's. She was drawn to Shriners' unique mission and developed and fostered the Shriners Children's Medical Group focused on quality care. The Shriners Children's Medical Group is the largest group of Pediatric Orthopedic Surgeons in the United States.

Dr. Farley is deeply committed to mentoring. She has been fortunate to be mentored by the greats in Pediatric Orthopedics and she has had the privilege to mentor pediatric orthopedic surgeons at all stages of their careers. Dr. Farley feels humbled and extremely grateful to receive the Distinguished Achievement Award.

Currently, Dr. Farley resides in Tampa, FL, with her husband of 30 years. They have three adult children.



Frances Anne
Farley, MD

POSNA SPECIAL EFFORT AND EXCELLENCE AWARD A. NOELLE LARSON, MD

A. Noelle Larson, MD, is pediatric orthopaedic surgeon at the Mayo Clinic in Rochester, MN. She is a Professor of Orthopedics, Quality Chair for Orthopedic Surgery, and Director of Research for the Pediatric Orthopedics Division. She was born in Seattle, WA, and lived aboard a 64' ferro-cement sailboat built by her parents for the family charter business. She attended the Lakeside School. She completed her undergraduate degree with Honors in Physics at Stanford University and medical degree at the University of Washington. She trained in orthopedic surgery at the Mayo Clinic and completed her fellowship at Texas Scottish Rite Hospital for Children, Dallas, TX. She was a 2015 APPOS-POSNA Traveling Fellow. She has served as a POSNA Board Member at Large, Research Council Chair, and IPOS® faculty from 2016-2022. She is incoming committee chair for the POSNA/SRS Pediatric Device Task Force. She was chair for the Mayo Clinic Health System Division of Community Orthopedics from 2020-2023.

Dr. Larson has authored over 230 research publications in peer-reviewed journals, including the results of the MIMO Randomized Clinical Trial. Her work has been funded by the FDA, NIH, OREF, SRS, and POSNA. She has completed a U.S. FDA study on vertebral body tethering. She is an active member of the Pediatric Spine Study Group and the Harms Study Group and currently serves on the Board of Directors for the Setting Scoliosis Straight Foundation. Dr. Larson's clinical interests include novel strategies for the treatment of pediatric spine conditions such as navigation, robotics, and motion-sparing scoliosis surgeries. Her research interests include device regulation, post-approval device surveillance, shared decision-making, and AI strategies to drive discovery using large imaging and text-based data repositories. Scott and Noelle have been married for over 20 years and enjoy bicycling, skiing, and outdoor adventuring with their three sons.



A. Noelle Larson, MD

POSNA HUMANITARIAN AWARD J. ERIC GORDON, MD

J. Eric Gordon, MD, was born in Central California in the small town of Visalia. He graduated from the University of California, Davis, with a B.S. in Physiology and attended medical school at UC Davis, graduating in 1988. He and his wife, Katie, met at college, married during medical school, and were ultimately blessed with six wonderful children. Subsequently, he completed a residency in Orthopaedic Surgery in Omaha, NE, at the Creighton-University of Nebraska program before going on to a Pediatric Orthopaedic fellowship at the St. Louis Shriner's Hospital for Children in St. Louis, MO. After completion of the fellowship, he remained in St. Louis at Washington University, practicing at St. Louis Children's Hospital and St. Louis Shriner's Hospital for Children.

In 1997, he was invited to join a group traveling to Azerbaijan doing medical education. During multiple trips to Azerbaijan over the next few years, he made friends and helped to organize the first national conferences of the Azerbaijan Orthopaedic and Traumatology Association. This led to his involvement with multiple international trips to diverse places in association with the POSNA COUR group. He also began traveling to treat patients directly, and ultimately began leading trips to the Caribbean in association with the World Pediatric Project, developing relationships with orthopaedic surgeons in the area. This led to what is now three to four yearly trips to the Eastern Caribbean, providing clinic evaluation and treatment, surgery, and bringing patients back to the United States for more complex operative care. This program has continued to expand with residents, fellows, and partners joining the trips, expanding the specialized care available in the region.



J. Eric Gordon, MD

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OPENING CEREMONY

Room: Octavius 13

8:00 AM–8:09 AM

Welcome**POSNA President:** *Todd Milbrandt, MD***Local Host:** *David Stewart, MD*

8:10 AM–8:20 AM

Introduction of Distinguished Guests

- International Guests
- EPOS Fellows
- POGO Visiting Scholars
- Distinguished Achievement Award
- POSNA New Members
- POSNA Board of Directors

8:21 AM–8:30 AM

Hall of Fame Inductees

8:31 AM–8:50 AM

Presentation of Awards

- Angela S.M. Kuo Memorial Award
- St. Giles Young Investigator Award
- Arthur H. Huene Award
- Roshen N. Irani Grants
- POSNA Special Effort and Excellence Award
- POSNA Humanitarian Award

SESSION 1

VIVA LAS VEGAS: TRAUMA

Room: Octavius 13**Moderators:** *Julia Sanders, MD & David Spence, MD***8:50 AM–10:10 AM**

8:51 AM–8:55 AM

Introduction to the 2025 POSNA Annual Meeting*Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA***#1**

8:56 AM–9:00 AM

Headless Compression Screws for Pediatric Tibial Tubercle Fractures: A Multicenter Case-Control Series*Bryan Menapace, MD, MBA; Brett Shannon, MD; Kenneth Rogers, PhD, ATC; Mihir Thacker, MD
Nemours Children's Hospital
Wilmington, DE, United States***#2**

9:01 AM–9:05 AM

Thinking Twice About Flexible Intramedullary Nailing of Pediatric Fractures: Complications following Downstream Hardware Removal*Vineet Desai; Scott Mahon, BS; Amanda Pang; Casey Kuka; Margaret Bowen; Sulagna Sarkar; Apurva Shah, MD, MBA; Jason Anari, MD
The Children's Hospital of Philadelphia
Philadelphia, PA, United States***#3**

9:06 AM–9:10 AM

Supra-patellar Approach for Tibial Shaft Fractures Treated with Intramedullary Rigid Nail in Patients with Open Physis*Carlos Pargas Colina, MD; Tori Coble; Sara Davis; David Spence, MD; Jonathan Rowland, BS, CCRP; Derek Kelly, MD, FAAOS, FAOA; Benjamin Sheffer, MD
Campbell Clinic
Germantown, TN, United States*

9:11 AM–9:19 AM

Discussion

#4

9:20 AM–9:24 AM

Hip Abduction Brace is an Effective Treatment Alternative to Pavlik Harness or Spica Cast for Femur Fractures in Infants 12 Months and Younger*Ava Baumann; Margaret Siobhan Murphy-Zane, MD
Children's Hospital Colorado
Aurora, CO, United States***#5**

9:25 AM–9:29 PM

The Ultimate Fate of the Contralateral Hip in Unilateral Slipped Capital Femoral Epiphysis: Index Prophylactic Treatment May Lead to Decreased Complications and Cost*Jack Haglin, MD; Eugenia Lin; David Bennett, MD; William Wood, MD; Judson Karlen, MD; Jessica Burns, MD, MPH
Phoenix Childrens Hospital
Phoenix, AZ, United States***#6**

9:30 AM–9:34 AM

Emergency Medicine Based Management of Minimally Displaced Pediatric Clavicle Fractures*Grace Hogan; Esther Elice Thompson; Arezoo Zomorodi; Shobhana Sathish; Richard Kruse, DO, MBA; Kristen Delin; Brett Kestecher; Jennifer Ty, MD
Nemours Children's Health, Delaware
Wilmington, DE, United States*

9:35 AM–9:43 AM

Discussion

#7

9:44 AM–9:48 AM

Effect of Vitamin D in Pediatric Fracture Occurrence: A Prospective Cohort Study*David Liu, MD; Taylor Adams, BS; Ariana Vitali; Hiroko Matsumoto, PhD; Patricia Miller, MS; Melissa Putman; Susan Mahan, MD, MPH; Brian Snyder, MD
Boston Children's Hospital
Boston, MA, United States***#8**

9:49 AM–9:53 AM

Paradoxical Protection: Lower Rates of AVN in Valgus Impaction Compared to Varus Avulsion Lateral Condyle Fractures*Leigh Campbell; Courtney Baker, MD; Andrew Rees; Samuel Johnson; Jacob Schultz; Lucas Wollenman; Craig Louer, MD; Nathaniel Lempert, MD; Stephanie Moore-Lotridge, PhD; Jonathan Schoenecker, MD, PhD
Vanderbilt University Medical Center
Nashville, TN, United States***#9**

9:54 AM–9:58 AM

Early Fixation of Pediatric Femoral Shaft Fractures is Associated with Fewer Complications*Syed Ali; Alex Youn; Ishaan Swarup, MD
UCSF Benioff Children's Hospital
Oakland, CA, United States*

9:59 AM–10:07 AM

Discussion

10:08 AM–10:10 AM

Next Up

SESSION 2A SPINE IN SIN CITY

Room: Octavius 13

Moderators: Lorena Floccari, MD & Amy McIntosh, MD

10:40 AM–11:55 AM

10:40 AM–10:42 AM Introduction

#10

10:43 AM–10:47 AM

Pneumonia Induced Mortality and Risk of Pneumonia in Children with Cerebral Palsy with Scoliosis Treated with and without Surgery

Matti Ahonen; Ira Jeglinsky-Kankainen; Mika Gissler; Ilkka Helenius, MD
Helsinki University Hospital
Helsinki, Finland

#11

10:48 AM–10:52 AM

Designated Spine Anesthesia Teams Improve Perioperative Outcomes for Complex Scoliosis

Kali Tileston, MD; Neelufar Raja; Arianne Salunga; Talissa Generoso; Hiba Naz; Nicole Pham; Amishi Jobanputra; John Vorhies, MD
Stanford
Palo Alto, CA, United States

#12

10:53 AM–10:57 AM

Outcomes of Spinal Fusion Surgery in Cerebral Palsy: Analysis of Complications, Reoperations, and Clinical and Radiographic Outcomes with Minimum 5-year Follow Up

Arun Hariharan, MD, MS; Craig Louer, MD; John Vorhies, MD; Robert Cho, MD; Paul Sponseller, MD, MBA; Stefan Parent, MD, PhD; Patrick Cahill, MD; Amer Samdani, MD; Firoz Miyanji, MD, FRCSC; Suken Shah, MD; Tracey Bryan, MA; Baron Lonner, MD; Harms Study Group
Paley Orthopedic and Spine Institute
West Palm Beach, FL, United States

10:58 AM–11:06 AM Discussion

#13

11:07 AM–11:11 AM

AIS ERAS Pathway Implementation via Pain Service Consultation Increases Charges without Decreasing Opioid Utilization or Length of Stay

Austin Montgomery; Chinonso Ani; Tracy Warhoover, NP; Andrew Franklin; Craig Louer, MD; Gregory Mencio, MD; Jeff Martus, MD
Vanderbilt Children's Hospital
Nashville, TN, United States

#14

11:12 AM–11:16 AM

False Negative Intraoperative Neuromonitoring Alerts during Pediatric Spinal Deformity Surgery: The Dreaded Outcome

Christopher Bozorgmehr; Hilton Braithwaite; Scott Luhmann, MD
Washington University School of Medicine
St. Louis, MO, United States

#15

11:17 AM–11:21 AM

Efficacy of Topical TXA in Reducing Blood Loss and Transfusion Rates in Spine Surgery: A Double-Blinded Randomized Controlled Trial

Brett Kilb; Shaina Sim; Ivie Huang; Arvinder Ghag, MD, FRCSC; Robert Cho, MD; Firoz Miyanji, MD, FRCSC
British Columbia Children's Hospital
Vancouver, BC, Canada

11:22 AM–11:30 AM Discussion

#16

11:31 AM–11:35 AM

Night-Time vs. Full-Time Bracing in Thoracic AIS – Are There Differences in Curve Progression When Matching For Time-in-Brace?

Martin Heegaard; Lærke Ragborg; Amy McIntosh, MD; Megan Johnson, MD; Anne-Marie Datcu; Regina Velarde; Martin Gehrchen; Daniel Sucato, MD, MS; Benny Dahl, MD; Soren Ohrt-Nissen
Rigshospitalet and University of Copenhagen
Copenhagen, Denmark

#17

11:36 AM–11:40 AM

A Changing EOS Phenotype in SMA: Nusinersen Use is Associated with Increased Curve Magnitude and Kyphosis at the Time of Index Surgery

John Vorhies, MD; Nicole Pham; Xochitl Bryson; Amy McIntosh, MD; Brandon Ramo, MD; John Smith; Ian Hollyer; Jaysson Brooks, MD; Patrick Cahill, MD; Benjamin Royce, MD; Majella Vaughan; Brian Snyder, MD; Daniel Bouton, MD; Michael Vitale, MD, MPH; Ron El-Hawary, MD, MSc; Pediatric Spine Study Group
Stanford
Palo Alto, CA, United States

#18

11:41 AM–11:45 AM

Halo-Gravity Traction Prior to Growing Rod Insertion: Which Curves Can Benefit?

Ambika Paulson; Hui Nian; Jeff Martus, MD; John Smith; Paul Sponseller, MD, MBA; John Emans, MD; Michelle Welborn, MD; Pediatric Spine Study Group; Craig Louer, MD
Vanderbilt University Medical Center
Nashville, TN, United States

11:46 AM–11:54 AM Discussion

SESSION 2B. NEUROMUSCULAR AND LOWER EXTREMITY: FEAST OR FAMINE

Room: Milano 1-2

Moderators: Raymond Liu, MD & Sean Tabaie MD, MBA, FAAOS, FAOS

10:40 AM–11:55 AM

10:40 AM–10:42 AM Introduction

#19

10:43 AM–10:47 AM

Guided Growth Treatment for Hip Displacement in Young Children ≤ 6 years with Cerebral Palsy: A Preliminary Report Analyzing the Effects of Age and Migration Severity on Surgical Success

Rachel Lenhart, MD, PhD; Christina Herrero, MD; Arianna Trionfo, MD; M. Wade Shrader, MD; Freeman Miller, MD; Kenneth Rogers, PhD, ATC; Jason Howard, MD
Nemours Children's Health Wilmington, DE, United States

#20

10:48 AM–10:52 AM

Validation of the Trochanteric-Sparing Proximal Femoral Resection Compared to Legacy Salvage Procedures: A Non-Inferiority Retrospective Cohort Study

Lennert Plasschaert, MD; Catherine Mackey; Patricia Miller, MS; Colyn Watkins, MD; Brian Snyder, MD; Benjamin Shore, MD, MPH, FRCSC
Boston Children's Hospital
Boston, MA, United States

#21

10:53 AM–10:57 AM

The Effect of Immediate Weightbearing after Planovalgus Foot Reconstruction in Ambulatory Children with Cerebral Palsy

Arianna Trionfo, MD; Madison Lennon; Jose Salazar-Torres; Christina Herrero, MD; Rachel Lenhart, MD, PhD; Hannah Popper; Abigail Helms, PA-C; Nancy Lennon, MS, PT, DPT; M. Wade Shrader, MD; Jason Howard, MD; Freeman Miller, MD; Chris Church; Nemours Children's Health Hospital Cerebral Palsy
Nemours Children's Health
Wilmington, Delaware, United States

10:58 AM–11:06 AM Discussion

#22

11:07 AM–11:11 AM

Perioperative Management of Children with Cerebral Palsy Undergoing Lower Extremity Surgery: Survey of Surgeon Practices

Arianna Trionfo, MD; Christina Herrero, MD; M. Wade Shrader, MD; Jason Howard, MD; Alice Taylor
Nemours Children's Health
Wilmington, DE, United States

#23

11:12 AM–11:16 AM

DTI Evaluation of the Physes with Bone Bridges: Preliminary Experience

Camilo Perdomo; Laura Santos; Bamidele KAMMEN; Sanjeev Sabharwal, MD, MPH; Ingrid Galvis; Brendan Sullivan; Ola Kvist; Sachin Jambawalikar; Diego Jaramillo, MD, MPH; Dave Hitt
UCSF Benioff Children's Hospital
Oakland
Oakland, CA, United States

#24

11:17 AM–11:21 AM

Health Disparity Risk Factors May Play a Role in Presenting Phenotype in Congenital Femoral versus Fibular Deficiency

Janet Walker, MD; Grace Markowski; Donna Oeffinger, PhD; Alyssa Barré, MD; Hank White, PhD
Shriners Children's-Multiple Sites, Primary Site-
Lexington, KY, United States

11:22 AM–11:30 AM Discussion

#25

11:31 AM–11:35 AM

Go Big or Stay Home? Impact of Implant Type on Outcomes of Growth Modulation in Blount Disease

Elizabeth Hubbard, MD; Claire Noyes; Alexander Cherkashin, MD; Mikhail Samchukov, MD; John Birch, MD; David Podeszwa, MD
Scottish Rite for Children
Dallas TX, United States

#26

11:36 AM–11:40 AM

Risk factors for Nonunion after Femoral Rotational Osteotomies for Idiopathic Anteversion and Retroversion in Adolescents

Connor Roper; Michael Amick; Matthew Siebert; Chris Makarewich, MD
University of Utah, Department of Orthopaedics
Salt Lake City, UT, United States

#27

11:41 AM–11:45 AM

Recurrence of Ankle Deformity Following Reconstruction in Patients with Fibular Hemimelia and Dynamic Valgus

Hans Nugraha, MD; Aaron Huser, DO; Katherine Miller, MD; Dror Paley, MD
Paley Institute
West Palm Beach, FL, United States

11:46 AM–11:54 AM Discussion

SESSION 3A. HIP:
GO RICH, COME HOME RICHER

Room: Octavius 13

Moderators: Eric Fornari, MD & Eduardo Novais, MD

2:00 PM–3:13 PM

2:00 PM–2:01 PM Introduction

#28

2:02 PM–2:06 PM

Mean 15 Year Outcomes of Contemporary Total Hip Arthroplasty in Adolescent and Young Adult Patients are Favorable

Daniel Layon; Frank Parilla; Deniz Ince; Stockton Troyer; Tyler Youngman; Tanner Thornton; Gail Pashos; John Clohisy, MD
Washington University School of Medicine
St. Louis, MO, United States

#29

2:07 PM–2:11 PM

Adolescent Outcomes of Modern Hip Arthroscopy for Femoroacetabular Impingement: A Multicenter Prospective Study

Jeffrey Nepple, MD; Vivek Shah; Yi-Meng Yen, MD; Matthew Schmitz, MD; Sasha Carsen, MD, FRCSC; Henry Ellis, MD; ANCHOR Study Group; John Clohisy, MD
Washington University School of Medicine
St. Louis, MO, United States

#30

2:30 PM–2:16 PM

The Role of Mental Health in the Presentation and Outcomes of Femoroacetabular Impingement Surgery in Adolescents: A Prospective Multicenter Study

Jeffrey Nepple, MD; Vivek Shah; Yi-Meng Yen, MD; Matthew Schmitz, MD; Sasha Carsen, MD, FRCSC; Henry Ellis, MD; ANCHOR Study Group; John Clohisy, MD
Washington University School of Medicine
St. Louis, MO, United States

2:17 PM–2:25 PM Discussion

#31

2:26 PM–2:30 PM

Subcapital Osteotomy and Realignment Through Anterior Approach in Unstable High-Grade Slipped Capital Femoral Epiphysis: Is It Effective and Safe?

Sandeep Patwardhan, MD
Sancheti Institute for Orthopaedics and Rehabilitation
Pune, India

#32

2:31 PM–2:35 PM

Peri-articular Injections Improve Mobility and Decreases Length of Stay after Hip Preservation Surgery

Sarah Norman; Susan Novotny, PhD; Elijah Welsh; Todd Warner; Alison Dittmer, MD
Gillette Children's Specialty Healthcare
Saint Paul, MN, United States

#33

2:36 PM–2:40 PM

Beyond the First Fix: Unraveling the Long-Term Impact of Surgical Fixation in Children 9 and Under with SCFE

David Liu, MD; Lara Cohen; Miles Batty, MD; Mary Morcos; Lennert Plasschaert, MD; Nancy Wan; Grant Hogue, MD; Eduardo Novais, MD
Boston Children's Hospital
Boston, MA, United States

#34

2:50 PM–2:54 PM

Does Hip Stability Influence Early Rates of Acetabular Remodeling Following Reduction of Idiopathic DDH? A Comparison of Closed vs Open Reduction with and without Ligamentum Teres Reconstruction

Tucker Peabody; Phillip Stokey; Daryn Strub, BA; Kirsten Tulchin-Francis, PhD; Craig Smith, MD; Kevin Klingele, MD
Nationwide Children's Hospital
Columbus, OH, United States

2:41 PM–2:49 PM Discussion

#35

2:55 PM–2:59 PM

Coxa Magna Predicts Poor Outcome in Developmental Dysplasia of the Hip Before the Appearance of Proximal Femur Growth Disturbance

Evelyn Kuong, MD; Janus Wong; Wang Chow
Hong Kong Children's Hospital
Kowloon Bay, Hong Kong

#36

3:00 PM–3:04 PM

Long-Term Hip Survivorship and Patient-Reported Outcomes of Periacetabular Osteotomy: The Washington University Experience

Matthew Booth; Jeffrey Nepple, MD; Susan Thapa, PhD; Gail Pashos; Frank Parilla; Perry Schoenecker, MD; John Clohisy, MD
Washington University School of Medicine
St. Louis, MO, United States

3:05 PM–3:13 PM Discussion

3B. INNOVATIVE MANAGEMENT: PEARLS AND STRATEGIES

2:00 PM–3:13 PM

Room: Milano 1-2

Chairs: Christine Ho, MD & Kevin Neal, MD

This session is formatted with five concurrent round-table discussions on various management topics, facilitated by your POSNA peers. Every 10 minutes, participants will have the opportunity to rotate to a different table to learn, share, and discuss a new topic.

2:00 PM–2:05 PM	Introduction
2:06 PM–2:16 PM	Rotation 1
2:17 PM–2:27 PM	Rotation 2
2:28 PM–2:38 PM	Rotation 3
2:39 PM–2:49 PM	Rotation 4
2:50 PM–3:00 PM	Rotation 5
3:01 PM–3:13 PM	Closure

Introduction

Christine Ho, MD

Physician, Heal Thyself: Second-Victim Syndrome

John Anthony "Tony" Herring, MD, FRCS & Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA

Strategies to Manage the Urgent Room in YOUR Hospital

Daniel Grant, MD & Hilda Kriel, MD

Billing and Coding: Participant-Submitted Questions and Bundling versus Unbundling

R. Dale Blasier, MD & Kevin Neal, MD

Be More Efficient! Maximizing Your Physician Extenders (APPs and Scribes)

Benjamin Martin, MD & Michael Schmitz, MD

More Than Just Taking Care of Patients:

How to Get into Research, Education, Leadership, Quality Projects If You're Not in a Large Academic Center

Allison Crepeau, MD & Kevin Shea, MD

Closure

Christine Ho, MD



SESSION 4A. SPORTS: WE MAKE OUR OWN LUCK

Room: Octavius 13

Moderators: Allison Crepeau, MD & John Polousky, MD

3:45 PM–5:10 PM

3:45 PM–3:46 PM Introduction

#37

3:47 PM–3:51 PM

Long-term Outcomes of Treatment of Femoroacetabular Impingement in Adolescents

Yi-Meng Yen, MD; Jeffrey Nepple, MD; Vivek Shah; Young Kim, MD; Michael Millis, MD; Matthew Schmitz, MD; Henry Ellis, MD; ANCHOR Study Group; John Clohisey, MD
Washington University School of Medicine
St. Louis, MO, United States

#38

3:52 PM–3:56 PM

Comparison of Retear Rates and All-Cause Reoperation Rates in Pediatric and Adolescent ACL Reconstructions using Bone Patellar Tendon and Quadriceps Tendon Grafts

Kyla Petrie; Pardeep Dhillon; Nirav Pandya, MD
UCSF
San Francisco, CA, United States

#39

3:57 PM–4:01 PM

Post-Operative Patterns in Prospectively Collected Anxiety and Depressive Symptoms Scores in Young Athletes Undergoing Anterior Cruciate Ligament Reconstruction

Mary Daley; Kathleen Maguire, MD; Morgan Swanson; Sulagna Sarkar; Kevin Landrum; Sean Owens; Joseph Yellin, MD; Theodore Ganley, MD
The Children's Hospital of Philadelphia
Philadelphia, PA, United States

4:02 PM–4:10 PM Discussion

#40

4:11 PM–4:15 PM

Pediatric Failed Meniscus Repair in >5000 Arthroscopic Meniscus Repairs

Keinan Agonias; Bobby Van Pelt, MPH; Richard Bowen, MD; Charles Chan, MD; Matthew Milewski, MD; Eric Edmonds, MD; Benton Heyworth, MD; Donna Pacicca, MD; Philip Wilson, MD; Kevin Shea, MD; Henry Ellis, MD; SCORE Study Group
Scottish Rite for Children
Dallas, TX, United States

#41

4:16 PM–4:20 PM

Radiologic Risk Factors for Osteochondral Fractures in First-Time and Recurrent Patellar Instability Patients

James McGinley; Henry Ellis, MD; Bennett Propp; Matthew Veerkamp; Philip Wilson, MD; Dennis Kramer, MD; Shital Parikh, MD, FACS; Beth Shubin Stein; JUPITER Study Group
Scottish Rite for Children
Dallas, TX, United States

#42

4:21 PM–4:25 PM

Short to Mid Term Outcomes for Trochleoplasty, Medial Patellofemoral Ligament Reconstruction and Lateral Retinacular Lengthening to Treat Recurrent Patellar Instability Due to High Grade Trochlear Dysplasia

James Pace, MD; Adam Weaver; Nicholas Anable, MS; Saygin Kamaci; Allison Crepeau, MD; Lucy Phan; John Abt
Children's Health Andrews Institute
Plano, TX, United States

4:26 PM–4:34 PM Discussion

#43

4:35 PM–4:39 PM

Grade III Complications of Tibial Spine Fracture in Pediatric Patients

Keinan Agonias; Bobby Van Pelt, MPH; Jason Rhodes, MD; Jennifer Beck, MD; Jay Albright, MD; Shital Parikh, MD, FACS; Kevin Shea, MD; Henry Ellis, MD; Philip Wilson, MD; Gregory Schmale, MD; SCORE Study Group
Scottish Rite for Children
Dallas, TX, United States

#44

4:40 PM–4:44 PM

A Multicenter Comparison of Screw, Suture, and Hybrid Fixation of Pediatric Tibial Spine Fractures

Akbar Syed; Morgan Swanson; Indranil 'Neel' Kushare, MD; Neeraj Patel, MD, MPH; Theodore Ganley, MD; Tibial Spine Research Interest Study Group
The Children's Hospital of Philadelphia
Philadelphia, PA, United States

#45

4:45 PM–4:49 PM

The Risk of Venous Thromboembolism in Adolescent Patients Undergoing Knee Arthroscopy: A Call for Prophylaxis Consideration

Mehul Mittal; Krishna Chandra; Katalina Acevedo; Matthew Hooper; Rohit Siddabattula; Pooya Hosseinzadeh, MD
St. Louis Children's Hospital, Department of Orthopaedics
St. Louis, MO, United States

4:50 PM–4:58 PM Discussion

SESSION 4B. A POTPOURRI OF CASES

Room: Roman

Moderators: Allan Beebe, MD & James Beaty, MD

3:45 PM–5:10 PM

3:45 PM–3:48 PM

Introduction
John Vorhies, MD

Case 1

3:49 PM–3:51 PM

Missed Sternoclavicular Dislocation Resulting in Brachicephalic Aneurysm

Errol Mortimer, MD; Palak Walia; Ryan Fredette
UMass Memorial Medical Center
Worcester, MA, United States

3:52 PM–3:57 AM Discussion

Case 2

3:58 PM–4:00 PM

Entrapped Flexor Tendon after Closed Treatment of Both Bone Forearm Fracture

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

4:01 PM–4:06 PM Discussion

Case 3

4:07 PM–4:09 PM

Non-Operative Treatment of Distal Humerus Transphyseal Separation in a Premature Neonate

Aranz Khalilollahi; Samuel Zverev; Emmanuel Budis; Chelsea Sicat; Allison Ariniello; Meredith Lazar-Antman, MD
NYU Grossman Long Island School of Medicine
Mineola, NY, United States

4:10 PM–4:15 PM Discussion

Case 4

4:16 PM–4:18 PM

Post-traumatic Triradiate Cartilage Physeal Bar Excision with the Assistance of Intraoperative 3-D navigation: Technical Tips, Tricks, and Results of an Updated Low-Dose Radiation Protocol

Emil Varas; Todd Milbrandt, MD; Emmanouil (Manos) Grigoriou, MD
Mayo Clinic
Rochester, MN, United States

4:19 PM–4:24 PM Discussion

Case 5

4:25 PM–4:27 PM

Late Presenting Common Peroneal Nerve Palsy after In-Situ Screw Fixation for Slipped Capital Femoral Epiphysis (SCFE)

Vivek Dutt, MBBS; Currey Zalman; Smitha Mathew
Children's Nebraska
Omaha, NE, United States

4:28 PM–4:33 PM Discussion

Case 6

4:34 PM–4:36 PM

Radial Head Excision for Radial Neck Non Union in Children Can Restore The Full Range of Motion Without Affecting Alignment or Stability: A Case Report With 3 Years Follow Up

Amr Abdelgawad, MD, MBA; Ahmed Hagag, MD, PhD; Ehab Saleh, MD
Maimonides Medical Center
Brooklyn, NY, United States

4:37 PM–4:42 PM Discussion

Case 7

4:43 PM–4:45 PM

Fibulalecranon

Nicole Montgomery, MD; Samuel Ramirez; Stuart Ferrell; Paige Wheaton;

Bryce Bell
Texas Children's Hospital
Houston, TX, United States

4:46 PM–4:51 PM Discussion

Case 8

4:52 PM–4:54 PM

Multifocal Bony Lesions in Children: Pitfalls of Peripheral Biopsy to Detect Metastatic Neuroblastoma Presented with Extremity Pain

Lik Hang Hung, FRCS; Adam Yiu-Chung Lau; Kenneth Yang; Wayne Lee; Tsz-Ping Lam, MBBS, FRCSE; Jack Cheng, MD
Prince of Wales Hospital
Hong Kong, Hong Kong

4:55 PM–4:59 PM Discussion

Case 9

5:00 PM–5:02 PM

Avast Ye Mateys, Infection's a Ruse: It's Scurvy That's Giving Us the Clues!

Arianne Salunga; Kali Tileston, MD; Talissa Generoso; Vivian Ho, CPNP; John Vorhies, MD
Stanford University
Palo Alto, CA, United States

5:03 PM–5:09 PM Discussion

4C. THE BEST CARE FOR EVERY PATIENT: EQUITY IN PEDIATRIC ORTHOPAEDICS

Time: 3:45 PM–5:10 PM

Room: Milano 1-2

Chair: Corinna Franklin, MD

In this small group focused session, experts at each concurrently-run table will moderate discussions based on case examples. Participants will be encouraged to rotate throughout the tables. The final wrap-up will include pearls and insights from both the experts and as a result of the discussions.

3:45 PM–3:50 PM	Introduction
3:51 PM–4:02 PM	Rotation 1
4:03 PM–4:15 PM	Rotation 2
4:16 PM–4:27 PM	Rotation 3
4:28 PM–4:39 PM	Rotation 4
4:40 PM–4:51 PM	Rotation 5
4:52 PM–5:10 PM	Wrap-Up & Panel

Introduction

Corinna Franklin, MD

Sex & Gender

Folorunsho Edobor-Osula, MD, MPH; Laura Gill-Sealy, MD, MBBS; Kali Tileston, MD

Race, Ethnicity, Nationality

Aaron Brandt, MD; Smitha Mathew; Janay McKie, MD; Monica Payares-Lizano, MD

Underinsured Patients

Jaysson Brooks, MD; Lindsay Crawford, MD; Sumit Gupta, MD, MPH

Patients with Disabilities

Dorothy Harris Beauvais, MD & George Gantsoudes, MD

LGBTQ

Lee Haruno, MD; Qusai Hammouri, MD, MBBS; Coleen Sabatini, MD, MPH

Wrap-Up & Panel

All Moderators





PRESIDENTIAL WELCOME

6:00 PM–7:00 PM
Room: Octavius 13

6:00 PM–6:05 PM

Welcome

POSNA President
Todd Milbrandt, MD

6:05 PM–6:15 PM

Recognition of Industry Sponsors

6:16 PM–6:19 PM

Introduction of Steel Lecturer

6:20 PM–7:00 PM

2025 Steel Lecture

Jennifer Dasal—ArtCurious

7:30 PM–10:30 PM

Opening Night Event

Madame Tussauds

STEEL LECTURE JENNIFER DASAL

Jennifer Dasal is the creator and host of the *ArtCurious* podcast, which has been featured in multiple local and national publications and websites, including *O, The Oprah Magazine*; *PC Magazine*; *ArtDaily*; *NPR*; *Salon*; and more. She is the author of *ArtCurious: Stories of the Unexpected, Slightly Odd, and Strangely Wonderful in Art History* (Penguin Books) and the upcoming nonfiction work, *The Club: Where American Women Artists Sought Refuge in Belle Époque Paris* (Bloomsbury). She is also a frequently requested guest speaker and leader of international tours focused on artists like Vermeer, Van Gogh, Kahlo, and O'Keeffe.

She holds an MA in art history from the University of Notre Dame and a BA in art history from the University of California, Davis. Dasal is the former curator of modern and contemporary art at the North Carolina Museum of Art, Raleigh, where she worked for 13 years. You will most often find her devouring books about the Beatles and planning her latest global adventure. She lives in North Carolina.



Madame Tussauds

**Wednesday, May 14
7:30 PM–10:30 PM**

3377 S Las Vegas Blvd Ste. 2001
Las Vegas, NV 89109



Get up close and personal with over 100 of the world's hottest celebrities, athletes, and legends.



Explore the museum's six-themed rooms: Club Tussauds, Music Room, Marvel Experience, The Hangover, Viva Las Vegas, Speak Easy and 4D theater.

Whether you want to hang with Elvis or Beyoncé, you're sure to find someone to be photographed with!

Ticket includes dinner, drinks, DJ, transportation, and admission to the museum.

Tickets: \$125 through May 13, 2025
\$140 on May 14, the day of the event

Must be 21 years or older to attend

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SESSION 5A. A VARIETY ACT

Room: Octavius 13

**Moderators: Emily Dodwell, MD, MPH
& Jeffrey Sawyer, MD****8:00 AM–9:40 AM**

8:00 AM–8:04 AM Welcome

#46

8:05 AM–8:09 AM

**The Role for Suicide Risk Assessment
Screening in the Pediatric Orthopedic
Clinic***Hilton Gottschalk, MD; Cortney
Matthews; Jordan Tanyi; Trayce Gray;
Niamh McMahon
Central Texas Pediatric Orthopedics
Austin, TX, United States*

#47

8:10 AM–8:14 AM

**Quantifying the Inflammatory
Response in Pediatric Orthopedic
Surgery: Comparable to Sepsis***Naadir Jamal; Anoop Chandrashekar;
Logan Locascio; Brian Hou; Courtney
Baker, MD; Stephanie Moore-Lotridge,
PhD; Jonathan Schoenecker, MD, PhD
Vanderbilt University Medical Center
Nashville, TN, United States*

#48

8:15 AM–8:19 AM

**Orthopaedists Beware: Severe
Nutritional Rickets and Autism
Spectrum Disorder***Alexandra Falkenberg; Leila Mehraban
Alvandi, PhD; Edina Gjonbalaj; Alexa
Karkenny, MD; Melinda Sharkey, MD
Montefiore Einstein, Department
of Orthopaedic Surgery Division of
Pediatric Orthopaedic Surgery
The Bronx, NY, United States*

8:20 AM–8:28 AM Discussion

49

8:29 AM–8:33 AM

**Development of a Cloud-Based
Remote Monitoring System for Halo
Gravity Traction***Jaysson Brooks, MD; Lydia Klinkerman,
BS; Karl Rathjen, MD; Daniel Sucato,
MD, MS; Brandon Ramo, MD; Amy
McIntosh, MD; Karina Zapata, PT, DPT,
PhD; Megan Johnson, MD; Brad Niese
Scottish Rite for Children
Dallas, TX, United States*

#50

8:34 AM–8:38 AM

**Hydrogen Peroxide Fogging Reduces
Spinal Surgical Site Infections: A
Quality Improvement Project***Kenzie Lundqvist; Matt Holloway;
Richard Steiner; Todd Ritzman, MD;
Michael Bigham; Lorena Floccari, MD
Akron Children's Hospital
Akron, OH, United States*

#51

8:39 AM–8:43 AM

**Comprehensive Skeletal Maturity
Index Can Obviate the Need for Hand
Radiographs for Sanders Scoring***Alison Dyszel; Elyette Lugo; Paul
Sponseller, MD, MBA; Amit Jain, MD;
Jaysson Brooks, MD
Johns Hopkins Hospital
Baltimore, MD, United States*

8:44 AM–8:52 AM Discussion

#52

8:53 AM–8:57 AM

**Do Prophylactic Antibiotics Lower
Surgical Site Infection Risk in
Supracondylar Humerus Fractures
Treated with Closed Reduction and
Percutaneous Pinning? An American
College of Surgeons Pediatric National
Surgical Quality Improvement Program
Analysis***Kevin Rezzadeh; Jennifer Ty, MD
Nemours Children's Health, Delaware
Wilmington, DE, United States*

#53

8:58 AM–9:02 AM

**Further Displacement After Initial
Nonoperative Treatment of Minimally
Displaced Olecranon Fractures in
Children***Rohit Siddabattula; Feross Habib; Claire
Schaibley; Diego Najera Saltos; Lindley
Wall, MD; Charles Goldfarb, MD; Pooya
Hosseinzadeh, MD; Matthew Hooper
St. Louis Children's Hospital,
Department of Orthopaedics
St. Louis, MO, United States*

#54

9:03 AM–9:07 AM

**Minimally Invasive Dome Osteotomy
vs. Conventional Methods for
Correcting Elbow Deformities After
Pediatric Supracondylar Fractures:
A Comparative Study***Sungmin Kim; Sung Taek Jung
Chonnam National University Hospital
Gwangju, Republic of Korea*

9:08 AM–9:16 AM Discussion

#55

9:17 AM–9:21 AM

**An Oblique Transposition
Quadricepsplasty Provides Excellent
Outcomes for the Treatment of
Congenital, Flexion-Range Patellar
Dislocation***Philip Wilson, MD; Clarissa Meza;
Charles Wyatt, NP; Claire Clark;
Benjamin Johnson; Antonia Dinulescu;
Henry Ellis, MD
Scottish Rite for Children
Dallas, TX, United States*

#56

9:22 AM–9:26 AM

**Integration of Electronic Patient
Reported Outcomes in a Pediatric
Orthopedic Clinic: Pathway to Success***Kelea Damp; Tyler Sullivan;
Sumeet Garg, MD
Children's Hospital Colorado
Aurora, CO, United States*

#57

9:27 AM–9:31 AM

**Utilization of Artificial Intelligence-
Assisted Cine-Sweep for Screening of
Developmental Dysplasia of the Hip at
an Urban Centre – A Pilot Study***Shalin Shah; Alaric Aroojis, M.S.
(Ortho), D'Ortho, DNB (Ortho); Jacob
Jaremko; Abhilash Rakkunedeth
Hareendranathan; Sukhdeep Dulai, MD,
MHSc, FRCSC; Bhushan Sagade, Junior
Consultant; Saroj Chavan; Hirva Manek
Bai Jerbai Wadia Hospital for Children
Mumbai, MH, India*

9:32 AM–9:40 AM Discussion

◆ Research supported by POSNA grant

SESSION 5B. SHOW ME YOUR
HAND (AND FOOT)

Room: Roman

**Moderators: Sonia Chaudhry, MD,
FAAOS, FACS & David Scher, MD****8:00 AM–9:40 AM**

8:00 AM–8:04 AM Welcome

#58

8:05 AM–8:09 AM

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

**Christine Ho, MD; Sonia Chaudhry, MD,
BS, FAAOS, FACS; Hilton Gottschalk,
MD; Andrea Bauer, MD; Krister Freese,
MD; Chinelo Onubogu; Anthony
Minopoli; Taylor Zak; Bhavana Gunda;
Niamh McMahon; Rishob Dasgupta;
Henok Haile; Julie Balch Samora, MD,
PhD, MPH, FAAOS, FAOA, MPH, FAAOS,
FAOA; POSNA Upper Extremity QSVI
Committee**
*Children's Medical Center Dallas
Dallas, TX, United States*

#59

8:10 AM–8:14 AM

**The Web of Time: Comparing Web
Creep Reoperation Over 18 years of
Simple Syndactyly Releases Using
Full-Thickness Skin Grafts versus
Local Flaps**

**Bradley Brickman, MD; Connor
Burke; Cristina Rivera; Maureen
O'Shaughnessy; Chase Kluemper, MD;
Scott Riley, MD**
*Shriners' Children Hospital
Lexington, KY, United States*

#60

8:15 AM–8:19 AM

**Neurogenesis Imperfecta: Fetal
Susceptibility to Brachial Plexus Birth
Injury Is Associated with Prenatally
Identifiable Genetic Variation in Axon
Structure and Development**

**Roger Cornwall, MD; Simon Sharples;
Steven Crone; Kritton Shay-Winkler;
Qingnian Goh**
*Cincinnati Children's Hospital
Cincinnati, OH, United States*

8:20 AM–8:28 AM Discussion

#61

8:29 AM–8:33 AM

**Minimally Invasive Subscapularis
Release and Conjoined Tendon
Transfer for Shoulder Imbalance in
Residual Brachial Plexus Birth Injury
(BPBI): An Intermediate Term
Follow Up**

**Maulin Shah, MD; Shalin Shah; Chinmay
Sangole; Nischal Naik; Tejas Patel**
*Orthokids Clinic
Ahmedabad, GJ, India*

#62

8:34 AM–8:38 AM

**Beyond Narakas: Clinical versus MRI
Classification of Patterns of Injury in
Brachial Plexus Birth Injury (BPBI)**

**Caroline Hu, MD; Andrea Bauer, MD;
Michelle James, MD; Mary Claire
Manske, MD; Peter Shen; Ann Van Heest**
*Gillette Children's Hospital
Minneapolis, MN, United States*

#63

8:39 AM–8:43 AM ♦

**Drivers of Health-Related Quality of
Life among Children with Brachial
Plexus Birth Injury: Results of the GUPI
(Growing Up with a Plexus Injury)
Study**

**Andrea Bauer, MD; Patricia Miller, MS;
Mary Claire Manske, MD; Michelle
James, MD; Jenny Dorich; Roger
Cornwall, MD; Kristen Davidge**
*Boston Children's Hospital
Boston, MA, United States*

8:44 AM–8:52 PM Discussion

#64

8:53 AM–8:57 AM ♦

**Needle-Free Injection of Local
Anesthetic was Predictive of a
Lower Pain Score Compared to
Topical Anesthetic during Clubfoot
Tenotomy: A Multicenter, Double-Blind
Randomized Control Trial**

**Dee Pacheco; Megan Johnson, MD;
Claudia Maki; Jacquelyn Pennings;
Nathaniel Lempert, MD; Craig Louer,
MD; William Morris, MD; Anthony Riccio,
MD; Jeff Martus, MD**
*Vanderbilt Children's Hospital
Nashville, TN, United States*

#65

8:58 AM–9:02 AM

**Redefining the Complex Idiopathic
Clubfoot and its Treatment Outcomes**

**Tara Hymus; Barb Harvey, PT; Desiree
Vaz; Maryse Bouchard, MD, MSc,
FRCSC**
*The Hospital for Sick Children
Toronto, ON, Canada*

#66

9:03 AM–9:07 AM

**Peripheral Neuropathy: The Shadowed
Villain in "Idiopathic" Clubfoot
Recurrence**

**Michelle Christie, MD; Rusty Hartman;
Jacob Zide, MD; Anthony Riccio, MD**
*Scottish Rite for Children
Dallas, TX, United States*

9:08 AM–9:16 AM Discussion

#67

9:17 AM–9:21 AM

**The Case for Post Partum Depression
and Anxiety Screening During Ponseti
Casting**

**Melissa Bent, MD; Abigail Padilla; Taylor
Cosanella; Wesley Gretah, PA-C; Rachel
Goldstein, MD**
*Children's Hospital Los Angeles
Los Angeles, CA, United States*

#68

9:22 AM–9:26 AM

**Hallux Varus Deformity Following Pre-
Axial Polydactyly Excision in the Foot**

**Jonathan Grabau; Tuo Li, MD, PhD;
Rusty Hartman; Jacob Zide, MD; Anthony
Riccio, MD**
*Scottish Rite for Children
Dallas, TX, United States*

#69

9:27 AM–9:31 AM

**30-Years of Treating Peroneal Spastic
Flatfoot and We Still Have No Idea
What We're Doing**

**Rusty Hartman; Jacob Zide, MD;
Michelle Christie, MD; Anthony
Riccio, MD**
*Scottish Rite for Children
Dallas, TX, United States*

9:32 AM–9:40 AM Discussion

5C. PEDIATRIC FIREARM-RELATED INJURY FIRESIDE CHAT

**8:00 AM–9:40 AM****Room: Milano 1-2***Chair: Derek Kelly, MD, FAAOS, FAOA*

Facilitators: Patrick Bosch, MD; Corinna Franklin, MD; Martin Herman, MD; Pooya Hosseinzadeh, MD; Todd Ritzman, MD; Benjamin Sheffer, MD; Sean Tabaie, MD; Kali Tileston, MD; Sara van Nortwick, MD; Klane White, MD

This highly interactive, case-based session will utilize a small group discussion format to delve into issues around pediatric firearm-related injury including: pediatric-specific patient care such as physeal injury, wound management and lead poisoning; advocacy organizations and how to engage elected officials; patient and family education including the “Be SMART” program; and security issues such as healthcare facility security teams, metal detectors, and “FBI Active Shooter Training.”

8:00 AM–8:02 AM**Introduction***Derek Kelly, MD, FAAOS, FAOA***8:03 AM–8:34 AM****Pediatric-Specific Patient Care***Sean Tabaie, MD*

- Physeal Injuries
- Lead Poisoning

- Is it Open or Closed: Role for Debridement and Antibiotics
- Wound Management

8:35 AM–8:49 AM**Advocacy***Martin Herman, MD*

- How to Engage Your Own Elected Officials
- What is POSNA Doing?
- Resources and Organizations

8:50 AM–9:14 AM**Patient/Family Education***Kali Tileston, MD*

- Be SMART Training
- Trigger Lock and Gun Safe Programs
- How/When to Access Social Services and Law Enforcement

9:15 AM–9:40 AM**Facility Security***Benjamin Sheffer, MD*

- Private Security
- Metal Detectors
- Active Shooter Training
- Personal Awareness Training



LEAD LIKE LORI LECTURE

10:15 AM–11:20 AM**Room: Octavius 12****10:15 AM–10:20 AM****Lead Like Lori Introduction**

Lindsay Andras, MD & Todd Milbrandt, MD

10:20 AM–11:20 AM**Inspiring Greatness through G.R.I.T.**

Creating the Passion to Pursue the Impossible
Robyn Benincasa

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 of us into this society.

In the hopes of filling some of the void that is left by her absence, we have instituted a 3-year leadership lecture series to be held at the Annual Meeting. Funded by donations in her honor, we look forward to hearing from inspiring and inciteful speakers who are trailblazers in their own right in the world outside of pediatric orthopaedics. We hope that you enjoy the unique perspectives that each will bring and the opportunity to continue building on the many leadership lessons she instilled in us.



INSPIRING GREATNESS THROUGH G.R.I.T.

Creating the Passion to Pursue the Impossible

When the challenges are steep and the competition fierce, Robyn Benincasa provides the tools individuals and organizations need to cross their most challenging finish lines.

As a two-time World Champion Adventure racer, San Diego Firefighter, and CNN Hero, Robyn knows a thing or two about creating Human Synergy, or as she puts it, "That magic that allows ordinary people to accomplish extraordinary things together."

Through harrowing experiences in places like the jungles of Borneo and the Himalayan peaks, Robyn has studied the good, the bad, and the not-so-pretty of Extreme Teamwork. Her refreshing and unique techniques build and foster impactful, inspired teams that succeed against all odds and turn setbacks into comebacks.

Robyn was named one of 2020s World's Top 50 Keynote Speakers (Real Leaders Magazine), the #1 Female Speaker for [Meetings.net](https://www.meetings.net), and is one of the Top 10 Speakers featured by Harvard Business Review. She has motivated countless leaders and teams for Fortune 500 companies, including IBM, Starbucks, Walmart, Boeing, Johnson & Johnson, HubSpot, Intel, and more. Her game-changing keynotes inspire us to grab life with one hand, our teammates with the other and create that special magic that makes each of us stronger together than we could ever be alone.

*"That magic
that allows ordinary
people to accomplish
extraordinary things
together"*

Robyn Benincasa



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SESSION 6. AWARD-NOMINATED PAPERS ACT 1

Room: Octavius 13

Moderators: Lindsay Andras, MD & Apurva Shah, MD, MBA**8:00 AM–10:05 AM**

8:00 AM–8:04 AM Welcome

#70

8:05 AM–8:10 AM

Effect of Ketorolac Administration on the Rate of Fracture Nonunion in Operatively Treated Pediatric Long Bone Fractures: A Matched Cohort Analysis*Daniel Pereira; Mehul Mittal; Tiffany Lee; Karan Joseph; Sabrina Madrigal; David Momtaz; Beltran Torres-Izquierdo; Rohit Siddabattula; Pooya Hosseinzadeh, MD*
St. Louis Children's Hospital, Department of Orthopaedics
St. Louis, MO, United States

#71

8:11 AM–8:16 AM

Casting vs Surgical Treatment of Pediatric Medial Epicondyle Fractures: A Randomized Trial*Petra Grahm, MD, PhD; Ilkka Helenius, MD, PhD, Professor; Tero Hämäläinen; Aarno Nietosvaara, MD, PhD; Reetta Kivisaari; Jaakko Sinikumpu, MD, PhD, Prof; Jenni Katariina Jalkanen; Eliisa Löyttyniemi; Matti Ahonen, MD, PhD*
HUS New Children's Hospital
Helsinki, Finland

8:17 AM–8:25 AM Discussion

#72

8:26 AM–8:30 AM

Genome-Wide Association Study of African and European Populations With Anterior Cruciate Ligament Injury*Kevin Landrum; Huiqi Qu; Margaret Harr; Joseph Yellin, MD; Syreeta Morgan; Hakon Hakonarson; Theodore Ganley, MD*
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#73

8:31 AM–8:35 AM ♦

Biomarker Longitudinal Idiopathic Scoliosis Study: The Impact Of Growth On Curve Progression In Braced Patients With Idiopathic Scoliosis Who Experiences Curve Progression Vs Curve Regression*Michelle Welborn, MD; James Sanders, MD; Amer Samdani, MD; Joseph Stone, MD; Robert Cho, MD; Selina Poon, MD; Vishwas Talwalkar, MD; Michal Szczodry; Susan Sienko*
Shriners Children's Portland
Portland, OR, United States

8:36 AM–8:43 AM Discussion

#74

8:44 AM–8:49 AM

Open vs Closed Treatment for Unstable Slipped Capital Femoral Epiphysis (SCFE): A Randomized Control Trial Comparing Outcome and Complications*Daniel Sucato, MD, MS; James Ogbeide; Lauren Osborne; Laura Mayfield, MPH; David Podeszwa, MD*
Scottish Rite for Children
Dallas, TX, United States

#75

8:50 AM–8:55 AM

Longterm Followup of Periacetabular Osteotomy*Ani Maroyan; Luke Mendola; Travis Matheney, MD; Michael Millis, MD*
Boston Children's Hospital
Boston, MA, United States

8:56 AM–9:03 AM Discussion

#76

9:04 AM–9:08 AM

Identification of Novel Genes Central to Longitudinal Muscle Growth and Contractures following Neonatal Brachial Plexus Injury*Qingnian Goh; Casey Swoboda; Marianne Emmert; Andrew Emmert; Kritton Shay-Winkler; Roger Cornwall, MD*
Cincinnati Children's Hospital
Cincinnati, OH, United States

#77

9:09 AM–9:13 AM

Validation of a Mouse Model of Cerebral Palsy for CP-Associated Muscular Pathology*Rachel Thompson, MD; Michaela Juels; Gabrielle Noullet; Yiran Deng; Kara Shin; Kevin Chen; Kristen Stearns-Reider*
UCSD
San Diego, CA, United States

9:14 AM–9:21 AM Discussion

#78

9:22 AM–9:27 AM

Pediatric Osteosarcoma: The Clot Traps the Cancer*Stephen Chenard; Heather Cole; Stephanie Moore-Lotridge, PhD; Jonathan Schoenecker, MD, PhD*
Vanderbilt University Medical Center
Nashville, TN, United States

#79

9:28 AM–9:33 AM

Antimicrobial Stewardship for Orthopedic Procedures was Improved by Leveraging NSQIP SAR Data with an Antibiotic Prophylaxis Dashboard*Alysa Nash, MD; Matt Mason; Kathleen Kiesel; Brett Kestecher; Alyssa Patari; Alfred Atanda, MD; Jennifer Vodzak; Suken Shah, MD; Jeanne Franzone, MD*
Nemours Children's Hospital
Wilmington, DE, United States

9:34 AM–9:42 AM Discussion

#80

9:43 AM–9:48 AM

To Wean or Not to Wean: A Randomized Controlled Trial of Pavlik Harness Weaning in Infantile Developmental Dysplasia of the Hip*Casey Kuka; Carter Hall; Nakul Talathi, MD; Morgan Batley, BA; Wudbhav Sankar, MD*
Children's Hospital of Philadelphia
Philadelphia, PA, United States

#81

9:49 AM–9:54 AM

Clinical Performance of a Joint Infection PCR Panel Compared to Synovial Fluid Culture for the Diagnosis of Septic Arthritis in Children

*Jimmy Daher; Rati Deshpande; Benjamin Liu; Matthew Oetgen, MD, MBA
Children's National Hospital
Washington, DC, United States*

9:55 AM–10:03 AM Discussion

SESSION 7. AWARD-NOMINATED PAPERS ACT 2

Room: Octavius 13

Moderators: Christine Ho, MD & Firoz Miyanji, MD, FRCSC

10:35 AM–12:00 PM

#82

10:35 AM–10:40 AM

Early Brace Treatment: The New Standard for Adolescent Idiopathic Scoliosis?

*Karina Zapata, PT, DPT, PhD; Megan Johnson, MD; John-Patrick Rathbun; Don Virostek; Chan-Hee Jo, PhD;
Daniel Sucato, MD, MS
Scottish Rite for Children
Dallas, TX, United States*

83

10:41 AM–10:46 AM ◆

Femoral Head Perfusion Varies Widely Before and After Surgical Reduction in Infantile DDH: Preliminary Findings from a Prospective Study of Contrast Enhanced Ultrasound

*Laith Sultan; Carter Hall; Carlos Yaya; Trudy Morgan; Susan Back;
Wudbhav Sankar, MD
Children's Hospital of Philadelphia
Philadelphia, PA, United States*

10:47 AM–10:55 AM Discussion

#84

10:56 AM–11:01 AM

Faster Time to Surgery Reduces Nerve Recovery Time in Pediatric Supracondylar Humerus Fractures

*David Isaacs; Akbar Syed; Leta Ashebo; Margaret Bowen; Divya Talwar, PhD, MPH, BDS; Jason Anari, MD; J. Todd Lawrence, MD, PhD
Children's Hospital of Philadelphia
Philadelphia, PA, United States*

#85

11:02 AM–11:07 AM

The Risk of Overgrowth Following Transtibial Amputation is Dependent on Age at Initial Surgery

*Anne Dumaine, MD; Claire Shivers; Kelly Jeans; Jessica Laureano-Phillips; Chan-Hee Jo, PhD; Corey Gill, MD
Scottish Rite for Children
Dallas, TX, United States*

11:08 AM–11:16 AM Discussion

86

11:17 AM–11:22 AM ◆

Outcomes of Skeletally Immature Patients Undergoing Isolated Medial Patellofemoral Ligament Reconstruction: Data from the JUPITER Cohort

*Lauren Redler; Elizabeth Dennis; Heath Gould; Bennett Propp; Natalie Pahapill; Audrey Wimberly; Matthew Veerkamp; Joseph Nguyen; Beth Shubin Stein; Shital Parikh, MD, FACS; JUPITER Study Group
Hospital for Special Surgery
New York City, NY, United States*

#87

11:23 AM–11:28 AM

Complications and Subsequent Surgery Associated with Operative Fixation of Displaced Medial Epicondyle Fractures in Children

*Scott McKay, MD; Benton Heyworth, MD; Stuart Ferrell; Samuel Ramirez; Margaret Bowen; Divya Talwar, PhD, MPH, BDS; Peter Fabricant, MD, MPH; Eric Edmonds, MD; Kevin Latz, MD; Donna Pacicca, MD; Daryl Osbahr; Michael Saper; Matthew Ellington, MD; Jay Albright, MD; J. Todd Lawrence, MD, PhD; MEMO Group
Children's Hospital Of Philadelphia
Philadelphia, PA, United States*

11:29 AM–11:37 AM Discussion

2024 JPOSNA® SPOTLIGHT PAPERS

11:38 AM–11:42 AM

Subtalar Extra-Articular Screw Arthroereisis: Early North American Experience in a Novel Minimally Invasive Treatment for Pediatric Pes Planovalgus

*Nicholas Sullivan, BS; Patricia E. Miller, MS; Susan T. Mahan, MD, MPH
Boston Children's Hospital & Harvard Medical School
Boston, MA, United States*

11:43 AM–11:47 AM

Acceptable Angulation Criteria in Pediatric Midshaft Forearm Fractures: A Systematic Review and Meta-Analysis

*K. Aaron Shaw, DO; Adam Jamnik, MD; Luke Shiver, MD; Keegan Kronenberger; Hilary Harris; Robert Burks, PhD; Nicholas D. Fletcher, MD
Children's Mercy Kansas City,
Kansas City, MO, United States*

11:48 AM–11:52 AM

Perfusion Magnetic Resonance Imaging Correlates with Duration of Stages and Lateral Pillar Class in Legg-Calvé-Perthes Disease

*Wudbhav N. Sankar, MD; Julianna Lee, BA; David Chong, MD; Yasmin D. Hailer, MD, PhD; Luiz R. Agrizzi de Angeli, MD; Scott Yang, MD; Jennifer Laine, MD; Harry K.W. Kim, MD; International Perthes Study Group
Children's Hospital of Philadelphia,
Philadelphia, PA, United States*

11:53 AM–12:01 PM Discussion



Thank You to Our Reviewers

The Journal of the Pediatric Orthopaedic Society of North America (JPOSNA®) is grateful to the following individuals who have donated their time and expertise to the peer-review process during the past year. Their support is essential to the success of our journal.

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Divya Talwar
Ahmed Thabet
Kali Tileston
Walter Truong
Jennifer Ty

AWARD CEREMONY

Room: Octavius 13

12:02 PM–12:06 PM

Distinguished Achievement Award Introduction*Todd Milbrandt, MD*

12:07 PM–12:25 PM

Distinguished Achievement Award Winner*Frances Farley, MD*

12:26 PM–12:30 PM

2026 Meeting Preview*John Lovejoy, III, MD*

12:31 PM–12:34 PM

2025 Award Announcements*Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA*

SESSION 8A. WHAT HAPPENS IN VEGAS: INFECTION AND TUMOR

Room: Octavius 13**Moderators: Alexandre Arkader, MD & Scott Rosenfeld, MD****2:00 PM–3:10 PM**

2:00 PM–2:02 PM Introduction

#88

2:03 PM–2:07 PM

How Well are Kocher's Criteria for Hip Septic Arthritis aging?*Ignacio Sanpera-Trigueros
Hospital Universitari Son Espases
Palma, Spain***#89**

2:08 PM–2:12 PM

Avascular Necrosis in Pediatric Septic Arthritis: Epidemiological Insights from the CORTICES Multicenter Study*Maria Canizares, MD, MPH; Patricia Miller, MS; Benjamin Shore, MD, MPH, FRCSC; Julia Sanders, MD; CORTICES Study Group
Boston Children's Hospital
Boston, MA, United States***#90**

2:13 PM–2:17 PM

Evaluating Clinical and Lab Features Differentiating Lyme Arthritis, Septic Arthritis, and Toxic Synovitis*Jonathan Yaari; Jakub Ratkowski; Brody Fitzpatrick; Gerald Hobbs; Daniel Grant, MD**West Virginia University
Morgantown, WV, United States*

2:18 PM–2:26 PM Discussion

#91

2:27 PM–2:31 PM

Arthrocentesis Vs Arthroscopy Drainage in Pediatric Hip Septic Arthritis*Elena Matilla; Ana Fernández Ansorena; Adriana Castañeda Martínez; Ignacio Sanpera-Trigueros
Hospital Universitari Son Espases
Palma, Islas Baleares, Spain***#92**

2:32 PM–2:36 PM

High Prevalence of Epiphyseal Involvement in Addition to Gastrointestinal Symptoms and Recent Travel in Salmonella Musculoskeletal Infections*Chin Yee Woo; Natalie Tan; Nicole Lee, PhD; Kenneth Pak Leung Wong; Chia Yin Chong; Mohammad Ashik; Arjandas Mahadev, FRCS
KK Women's and Children's Hospital
Singapore, Singapore***#93**

2:37 PM–2:41 PM

Comparison of Surgical Versus a Combined Modality Minimally Invasive Treatment for Aneurysmal Bone Cysts*Youssef Khalafallah; Nicole Montgomery, MD
Texas Children's Hospital
Houston, TX, United States*

2:42 PM–2:46 PM Discussion

#94

2:47 PM–2:51 PM

3D Virtual Planning and Patient-Specific Instrumentation to Improve Outcomes of Physeal-Sparing Intercalary Resections and Allograft Reconstructions of Pediatric Long Bone Sarcomas*Thomas Utset-Ward; Daryn Strub, BA; Thomas Scharschmidt, MD
Nationwide Children's Hospital
Columbus, OH, United States***#95**

2:52 PM–2:56 PM

Surgical Complications After Structural Bone Allograft Reconstruction in Pediatric and Young Adult Primary Bone Tumors*Thomas Hodo; Paul Rizk; Saurav Pandey; Carrie Heincelman; Mark Gebhardt, MD; Megan Anderson, MD
Boston Children's Hospital
Boston, MA, United States***#96**

2:57 PM–3:01 PM

A Ten-year Single-center Surgical Experience with 98 cases of Dysplasia Epiphysealis Hemimelica (Trevor's disease) in the Lower Extremity*Gang Fu, MD, PhD
Beijing Jishuitan Hospital
Beijing, People's Republic of China*

3:02 PM–3:10 PM Discussion

SESSION 8B. A MELANGE
OF CASES

Room: Roman

**Moderators: John Birch, MD,
FRCSC(C) & Stuart Weinstein, MD****2:00 PM–3:10 PM****Case 10**

2:00 PM–2:02 PM

**Iatrogenic Foot Drop from Deep
Peroneal Nerve Damage in a Young
Athlete***Sonia Chaudhry, MD, BS, FAAOS, FACS;
Francine Zeng
Connecticut Children's Medical Center
Hartford, CT, United States*

2:03 PM–2:08 PM Discussion

Case 11

2:09 PM–2:11 PM

**Knee Disarticulation in Arthrogryposis:
A Quality of Life Salvage Operation***Lauren Hyer, MD; Emily Shull;
David Westberry, MD
Shriners Children's Greenville
Greenville, SC, United States*

2:12 PM–2:17 PM Discussion

Case 12

2:18 PM–2:20 PM ★

**Gradual Lengthening Through the
Fracture Site in Open Femoral Shaft
Fractures with Segmental Bone Loss***Emmalynn Sigrist, DO; Jeffrey Nepple,
MD; J. Gordon, MD
Washington University in St. Louis St.
Louis, MO, United States*

2:21 PM–2:26 PM Discussion

Case 13

2:27 PM–2:29 PM

**The Cork-screwed Humerus Leading
to a Spiraling Arm Deformity***Venkatadass Krishnamoorthy, MD;
Deepak Jain; S. Rajasekaran
Ganga Hospital
Coimbatore, Tamilnadu, India*

2:30 PM–2:35 PM Discussion

Case 14

2:36 PM–2:38 PM

**Serial Drilling Technique for
Subtrochanteric Femur Fractures in
Osteopetrosis: A Case Report***Morgan Turnow; Adam Mansour;
Ivan Slyepkan; Michael Anderson;
James Iandoli; Anthony Wing;
Allen Kadado, MD
Nationwide Children's Hospital
Columbus, OH, United States*

2:39 PM–2:44 PM Discussion

Case 15

2:45 PM–2:47 PM

**Form Follows Function: What is
Anatomical May Not Be Functional***Vishal Sarwahi, MBBS, MS; Effat
Rahman; Katherine Eigo; Terry
Amaral, MD; Daniel Sciubba ;
Lior Shabtai, MD
Northwell Health
New Hyde Park, NY, United States*

2:48 PM–2:53 PM Discussion

Case 16

2:54 PM–2:56 PM

**Posterior Column Release and
Lengthening with a Magnetic
Growing Rod Construct in Severe
Congenital Thoracic Fusion:
A Report of Two Cases***Michael Trask; Jonathan Yamaguchi;
Gregory Redding; Burt Yaszay, MD;
Klane White, MD
Children's Hospital Colorado
Aurora, CO, United States*

2:57 PM–3:02 PM Discussion

Case 17

3:03 PM–3:05 PM

**Complications of Pedicle screw
instrumentation: A Case of Tracheal
Erosion in a Ventilator-Dependent
Child***Talissa Generoso; Arianne Salunga;
Kali Tileston, MD; Lawrence Rinsky, MD;
John Vorhies, MD
Stanford University
Palo Alto, CA, United States*

3:06 PM–3:10 PM Discussion

★ The FDA has not cleared the drug and/or medical device for the use described in this presentation.



8C. ALL ACES: A MASTERCLASS IN PEDIATRIC ORTHOPAEDICS**Time: 2:00 PM–3:10 PM****Room: Milano 1-2**

Chairs: Donald Bae, MD & Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA

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We're upping the ante, so join us for this final hand!

2:00 PM–2:03 PM**Welcome**

Donald Bae, MD & Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA

The Team, The Team, The Team

Moderator: Donald Bae, MD

2:04 PM–2:08 PM**How to Build High-Performing Teams**

Michelle Caird, MD

2:09 PM–2:13 PM**Conflict and Difficult Conversations**

Virginia Casey, MD

Tips for Future Success

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

2:14 PM–2:18 PM**3 Intelligent Practice Hacks**

Jonathan Schoenecker, MD, PhD

2:19 PM–2:23 PM**3 Social Media Likes**

Jaysson Brooks, MD

2:24 PM–2:34 PM**Q&A****Professional Transitions, Personal Stories**

Moderator: Steven Frick, MD

2:35 PM–2:39 PM**The Grass Isn't Always Greener**

Lindsay Andras, MD

2:40 PM–2:44 PM**Where You Start Isn't Where You End**

Corinna Franklin, MD

2:45 PM–2:49 PM**Post-Operative Care**

James Kasser, MD

2:50 PM–2:54 PM**Complications**

Paul Sponseller, MD, MBA

2:55 PM–3:05 PM**Q&A****What's Your Mission?**

Donald Bae, MD

3:06 PM–3:10 PM**SESSION 9. CLOSING ACT: TRAUMA & EQUITY****Room: Octavius 13**

Moderators: Coleen Sabatini, MD, MPH & Kali Tileston, MD

3:40 PM–5:00 PM**#97****3:40 PM–3:44 PM**

Continuing Trend of Increased Operative Treatment of Clavicle Fractures in Adolescents Despite Lack of Evidence in the Literature

Jad Lawand; Kaveh Momenzadeh; Abdullah Ghali; David Momtaz; Javad Shariati; Rohit Siddabattula; Pooya Hosseinzadeh, MD

St. Louis Children's Hospital, Department of Orthopaedics, St. Louis, MO, United States

#98**3:45 PM–3:49 PM**

Coronal Remodeling of Pediatric Distal Radius Fractures

Vineet Desai; Scott Mahon; Varshini Babu; Apurva Shah, MD, MBA, The Children's Hospital of Philadelphia, Philadelphia, PA, United States

#99**3:50 PM–3:54 PM**

The Prevalence of Acute Compartment Syndrome in Pediatric Tibial Tubercle Fractures

Joshua Tadlock, MD; Victor Martinez; Natalia Pluta; Daniel Cognetti, Brooke Army Medical Center, San Antonio, TX, United States

3:55 PM–4:03 PM

Discussion

#100**4:04 PM–4:08 PM**

Do Children with Accidental Gunshot-Related Fractures Experience Greater Risk of Mental Illness and Psychiatric Disorders? A Propensity Matched Study

Mehul Mittal; Aaron Singh; Rishi Gonuguntla; David Momtaz; Rohit Siddabattula; Pooya Hosseinzadeh, MD, St. Louis Children's Hospital, Washington University School of Medicine in St. Louis, St. Louis, MO, United States



#101

4:09 PM–4:13 PM

Screw-only Fixation Constructs for Pediatric Diaphyseal Tibia Fractures: A Comparative Analysis with Elastic Intramedullary Nailing and Plate Fixation

Andrew Pennock, MD; Rajvarun Grewal; Jessica Hughes, MD; Macy Dexter; Emma Cavendish; Tracey Bryan, MA; Benton Heyworth, MD
Rady Children's Hospital, San Diego
San Diego, CA, United States

#102

4:14 PM–4:18 PM

Equal Work, Unequal Pay: Income Disparities by Gender in Pediatric Orthopaedic Surgery

Scott Mahon; Lee Haruno, MD; Divya Talwar, PhD, MPH, BDS; Eliza Buttrick, BA; Christine Goodbody; John "Jack" Flynn, MD; Apurva Shah, MD, MBA
The Children's Hospital of Philadelphia
Philadelphia, PA, United States

4:19 PM–4:27 PM

Discussion

#103

4:28 PM–4:32 PM

Public Insurance Status is Associated with Lower Bracing Treatment Success in Infants with Developmental Dysplasia of the Hip

Jayna Lenders; Pranav Rajaram; Brandon Henry; Alex Gornitzky, MD; Ying Li, MD
University of Michigan
Ann Arbor, MI, United States

#104

4:33 PM–4:37 PM ◆

Who Says No? Understanding the Association of Self-Reported Demographics with Medical Record Chart Review Research Participation

Christian Ishag; Sarah Norman; Rhonda Cady; Todd Warner; Sriya Byrapuneni; Meghan Munger; Sara Morgan, PhD; Jennifer Laine, MD; Susan Novotny, PhD
Gillette Children's Specialty Healthcare
Saint Paul, MN, United States

#105

4:38 PM–4:42 PM

Decoding the No-Show: What Predicts Postoperative Visit Cancellations in AIS?

Sydney Lee; Shanika De Silva; Michael Hresko, MD; Craig Birch, MD; Ata Kiapour, PhD, MMSc; Erin Trousdale; Nazgol Tavabi; Grant Hogue, MD
Boston Children's Hospital
Boston, MA, United States

4:43 PM–4:51 PM

Discussion

PRESIDENTIAL TRANSFER

4:52 PM–5:00 PM

Kevin Shea, MD

◆ Research supported by POSNA grant



As we bid adieu,
let's come together to
celebrate POSNA 2025!

Enjoy refreshments, network with
colleagues, and toast to learning
something new this week.

Join us in the Octavius Foyer
5:00 PM–7:00 PM
Friday, May 16

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Systematic Review
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Attendees can access and view the ePosters through the meeting mobile app.

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ePoster #1

Development of an Artificial Intelligence System for Interpreting Skeletal Age on Radiographs of the Knee: A Preliminary Study

Kallie Chen; Elizabeth LaPlante; Lauren Huang; Marlee Yancey; Amog Mysore; Eunsun Cho; Anjelyna Siamphone; Ryan Furdock; Andrew Moyal; Raymond Liu, MD

Rainbow Babies and Children's Hospital
Cleveland, OH, United States

ePoster #2

Feasibility of Using Artificial Intelligence to Predict Postoperative Health-Related Quality of Life for Adolescent Idiopathic Scoliosis Patients

Dusan Kovacevic; Aazad Abbas; Gurjovan Sahi; Jay Toor; Michael Kelly, MD; Suken Shah, MD; Amer Samdani, MD; Peter Newton, MD; Firoz Miyanji, MD, FRCS

British Columbia Children's Hospital
Vancouver, BC, Canada

ePoster #3

Leveraging Multi-Modal AI and Historical Clinical Data to Map Knee Cartilage Development: A 3D MRI Analysis of 3,111 Children and Young Adults

Ata Kiapour, PhD, MMSc; Nazgol Tavabi; Mahdi Aghaalkhani; Mohammadreza Movahhedi

Boston Children's Hospital
Boston, MA, United States

ePoster #4

Predicting Contralateral SCFE Using Machine Learning: A Preliminary Multicenter Model

David VanEenenaam; Daniel Maranhão; Carter Hall; Christopher DeFrancesco, MD; Eduardo Novais, MD; Wudbhav Sankar, MD

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

ePoster #5

WARNING: Utilization of ChatGPT in Scientific Writing: Beware of AI Generated Citations

Ivan Slyepkan; Daria Anderson; Erin Samora; Julie Balch Samora, MD, PhD, MPH, FAAOS, FAOA, MPH, FAAOS, FAOA; Allen Kadado, MD; Kirsten Tulchin-Francis, PhD
Nationwide Children's Hospital
Columbus, OH, United States

BASIC SCIENCE

ePoster #6

A New Validated Mouse Model Of Structural Spinal Deformity With Consistent Curve Type For Scoliosis Research

Adam Yiu-Chung Lau; Zhe Zhang; Zongshan Hu; Tian Wenlin; Lik Hang Hung, FRCS; Kenneth Yang; Jack Cheng, MD; Huanxiong Chen; Ze Zhang Zhu; Wayne Lee
The Chinese University of Hong Kong
Hong Kong SAR, People's Republic of China

ePoster # 7 ♦

A Novel Model of Neuromuscular Contracture Reveals Pathological SMAD4 Signaling in Myotendon Drives Contracture Formation

Varun Arvind; Hui Zhang; Peter Shyu; Edward Guo; Joshua Hyman, MD; Alice Huang
Columbia University
New York, NY, United States

ePoster #8

Biomechanical Evaluation of MPFL Reconstruction Techniques in Pediatric Patellae: A Comparative Analysis of Bone Tunnels and Suture Anchors

David Baird; Henry Baird; Jude Alawa; Amin Alayleh; Thomas Johnstone; Calvin Chan; Kevin Shea, MD
Stanford University School of Medicine
Stanford, CA, United States

ePoster #9

Making Bones Bigger but Not Necessarily Better via a Simple Surgical Intervention

Matthew Halanski, MD; Rajeev Chaudhary; Grant Ozaki; Max Twedt; Amy Pitschneider; Heather Hartwig Stokes; Ronald McCabe; Corinne Henak; Xiaoping Qian; Tom Crenshaw; Paul Campagnola; Kevin Eliceiri; Ellen Leiferman
Phoenix Children's
Phoenix, AZ, United States

ePoster #10

Withdrawn

CONGENITAL, SYNDROMIC, AND SKELETAL DYSPLASIA

ePoster #11

"Lethal" Osteogenesis Imperfecta Need not be Lethal: Comprehensive Perinatal Care for Babies with Osteogenesis Imperfecta to Optimize Survival and Outcomes

Ricki Carroll; Cristina McGreal; Sarah Little; Mahim Jain; Joanna Costa; Margaret Chou; Andrea Schelhaas; Jeanne Franzone, MD
Nemours Children's Hospital Delaware
Wilmington, DE, United States

ePoster #12

Connective Tissue Disease Patients Do Not Have Higher Rates of PJK Compared with Idiopathic EOS Following Growth Friendly Instrumentation

K. Aaron Shaw, DO, FAAOS; John Smith; Paul Sponseller, MD, MBA; Joshua Pahys, MD; Brandon Ramo, MD
Children's Mercy Kansas City
Kansas City, MO, United States

ePoster #13**Femoral Neck Fractures in Patients with Osteogenesis Imperfecta: High Rates of Complications and Need For Revision Surgery**

Cynthia Nguyen, MD; Chris Makarewich, MD; Sharanya Akula; Selina Poon, MD; Robert Hyun Cho, MD
Shriners for Children Medical Center
Pasadena, CA, United States

ePoster #14**Long-Term Survival of Femoral Fassier-Duval Rods in Pediatric Patients with Osteogenesis Imperfecta**

Danielle Chipman; Jessica Heyer, MD; Kiranpreet Nagra; Nicolas Pascual-Leone; Julia Retzky; Nnaoma Oji; Emilie Lijesen; Shae Simpson; Daniel Green, MD
Hospital for Special Surgery
New York, NY, United States

ePoster #15**Pain Management in Pediatric Cerebral Palsy Patients Undergoing Single-Event Multilevel Surgeries: Efficacy of Post-Operative Epidural Analgesia**

Daniel Whittingslow; Camara Wooten; Aaron Christopher; Anna Vergun, MD
University of North Carolina Chapel Hill
Chapel Hill, NC, United States

ePoster #16**The Long-Term Impact of Early Short Segment Fusion in Congenital Scoliosis**

Tyler Metcalf; Amer Samdani, MD; Mark Erickson, MD; Joshua Pahys, MD; Craig Louer, MD
Vanderbilt University
Nashville, TN, United States

ePoster #17**Threaded Non-Telescopic Rods Demonstrate Less Rod Prominence and Migration than Non-Threaded Non-Telescopic Rods in Patients with Osteogenesis Imperfecta: A Case-Control Study**

Michael Cahill; Mahim Jain; Cristina McGreal; Richard Kruse, DO, MBA; Jeanne Franzone, MD
Nemours Children's Hospital Delaware
Wilmington, DE, United States

FOOT & ANKLE**ePoster #18****A Conservative Approach to Achilles Tenotomy After Ponseti Casting for Idiopathic Clubfoot: When to Cut the Cord?**

Aria Darbandi, MD; Dylan Kluck, MD; Alec McCann; Jonathan Lash; Vincent Prusick, MD; Janet Walker, MD; Ryan Muchow, MD; Henry Iwinski, MD; Vishwas Talwalkar, MD
Shriners Hospitals for Children
Lexington, KY, United States

ePoster #19**Do Radiographic Diagnostic Criteria Accurately Differentiate Congenital Vertical Talus and Congenital Oblique Talus? A Validation Study**

Smitha Mathew; Abdi Abud; Chauna Weyermuller
Children's Nebraska
Omaha, NE, United States

ePoster #20**Evaluation of Foot Osteotomies for Treating Residual Clubfoot Deformities in Ambulatory Children with Arthrogryposis**

Sadettin Ciftci; Anuj Gupta; Chris Church; John Henley; Maureen Donohoe; Freeman Miller, MD; L. Reid Nichols, MD
Nemours Children's Health
Wilmington, DE, United States

ePoster #21**Lower Child Opportunity Index is associated with treatment delays and decreased prenatal evaluation for idiopathic clubfoot**

Joshua Bram; Patrick Nian; Christopher Williams; Olivia Tracey; David Scher, MD; John Blanco, MD; Emily Dodwell, MD, MPH; Shevaun Doyle, MD
Hospital for Special Surgery
New York City, NY, United States

ePoster #22**Prenatal Clubfoot Consultations: Barriers to Accessing Information for Expectant Families and Downstream Effects on Bracing Compliance**

Rusty Hartman; Brendan Jackson; Anthony Riccio, MD
Scottish Rite for Children
Dallas, TX, United States

ePoster #23**The Etiology of the Os Subfibular: A Prospective Ultrasound Study**

Jacob Jones, MD; Cassidy Schultz; Bobby Van Pelt, MPH; Caroline Podvin; Kate Lampe; Shane Miller; Jane Chung; Charles Wyatt, NP; Benjamin Johnson; Henry Ellis, MD; Phillip Wilson, MD
Scottish Rite For Children
Dallas, TX, United States

HAND & UPPER EXTREMITY**ePoster #24****Elbow Soft Tissue Apex as a Marker for the Anterior Humeral Line: An Anatomic Landmark**

Jared Sain; Evan Lobato; Aryan Borole; Kikelola Afolabi-Brown; Joseph Hawes; Stephen Adolfsen, MD
Rutgers Robert Wood Johnson Medical School
New Brunswick, NJ, United States

ePoster #25**Impact of Obesity on Surgical Outcomes in Pediatric Upper Extremity Fractures: A Matched Cohort Analysis With One Year Follow-Up**

David Momtaz; Jad Lawand; Blaire Peterson; Abdullah Ghali; Mary Cornaghie; Rohit Siddabattula; Pooya Hosseinzadeh, MD
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ePoster #26**Open Physes and Outcomes Following Arthroscopic Stabilization of Shoulder Instability: A Concerning Truth with Five-Years Follow-up**

Paul Chung; Halle Walls; Macy Dexter; Tracey Bryan, MA; Eric Edmonds, MD; John Schlechter, DO; Andrew Pennock, MD
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ePoster #27**The Bear Claw Maneuver for Testing Anterior Interosseous Nerve Function in Children**

Harrison Ferlauto; Erin Abbott; Christoph Schroen; Abigail Allen, MD; Jinghui Zheng, PA; Michael Hausman;

Sheena Ranade, MD

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HEALTH EQUITY, DIVERSITY, AND INCLUSION

ePoster #28**Female Representation in the POSNA Organization: 2014-2018 vs 2020-2024**

Harika Atluri; Hari Arneja; Emily Schaeffer, PhD; Rachel Goldstein, MD; Jennifer Laine, MD; Kishore Mulpuri, MBBS, MHSc, FRCSC
University of British Columbia
Vancouver, BC, Canada

ePoster #29**Public Insurance is Associated with Delays to Surgery in Pediatric Patients with a First-Time Patellar Dislocation Involving a Loose Body**

Alexandra Dejneka; Amin Alayleh; David Kell; Casey Kuka; Kevin Orellana; Brendan Williams, MD; J. Todd Lawrence, MD, PhD; Neeraj Patel, MD, MPH

Ann & Robert H. Lurie Children's Hospital of Chicago
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ePoster #30**Removing Race from Pulmonary Function Tests in Children with Idiopathic Scoliosis**

Karina Zapata, PT, DPT, PhD; Banahene Glover; Tilden Chima; Chan-Hee Jo, PhD; Jaysson Brooks, MD; Amy McIntosh, MD
Scottish Rite for Children
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ePoster #31**Social Disadvantage and Adverse Slipped Capital Femoral Epiphysis Outcomes**

Sam Wimmer; Tiffany Phan; Tishya Wren, PhD; Rachel Goldstein, MD
Children's Hospital Los Angeles
Los Angeles, CA, United States

ePoster #32**Socioeconomic Risk Factors for Delayed Presentation in Adolescent Idiopathic Scoliosis**

Nathaniel Hunter; Cole Payne; Aidan Wright; Jacob Siahann; Rohini Vanodia; Lindsay Crawford, MD; Shah-Nawaz Dodwad; Eric Klineberg; Rex Marco; Surya Mundluru, MD; Shiraz Younas, MD; Timothy Borden, MD
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HIP

ePoster #33**Impact of Hip Vs. Knee Pain as the Presenting Symptom of Slipped Capital Femoral Epiphysis on Time to Imaging, Surgery, and Complications**

David Momtaz; Mehul Mittal; Rishi Gonuguntla; Beltran Torres-Izquierdo; Abhishek Tippabhatla; Rohit Siddabattula; Aaron Huser, DO; Pooya Hosseinzadeh, MD
St. Louis Children's Hospital, Washington University School of Medicine in St. Louis
St. Louis, MO, United States

ePoster #34 ♦**Impact of Legg Calvé Perthes Disease on Mobility, Pain Interference, and Anxiety in Children Aged 6-10 Years Old – an Assessment Using PROMIS**

Christian Ishag; Todd Warner; Yasmin Hailer; Joseph Charla; Leila Mehraban Alvandi, PhD; Jennifer Laine, MD; Harry Kim, MD; Eric Fornari, MD; Susan Novotny, PhD
Gillette Children's Specialty Healthcare
Saint Paul, MN, United States

ePoster #35**Joint Hypermobility Syndrome Increases Risk of Major Complications Following Periacetabular Osteotomy in Females with Symptomatic Hip Dysplasia**

Nancy Wan; Shanika De Silva; Young Kim, MD; Travis Matheney, MD; Michael Millis, MD; Eduardo Novais, MD
Boston Children's Hospital
Boston, MA, United States

ePoster #36**Long-Term Outcomes of Slipped Capital Femoral Epiphysis Treated with In Situ Pinning: More Than 20 Years Follow Up, Patient-Reported Outcomes, and Rates of Conversion to Hip Arthroplasty**

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

ePoster #37**Open Reduction with Ligamentum Teres Reconstruction – Short Term Outcomes of a Novel Technique for the Management of Grade IHDC III/IV, Idiopathic DDH**

Ethan Englert, MD; Adam Mansour; Daryn Strub, BA; Tucker Peabody; Kirsten Tulchin-Francis, PhD; Craig Smith, MD; Kevin Klingele, MD
Nationwide Children's Hospital
Columbus, OH, United States

ePoster #38**Radiographic Analysis of Hip Dysplasia in Mal-positioned X-rays: Tolerance of Dysplastic Hip Parameters in Antero-Posterior Pelvic Images**

Alexander Chang; Andrew Wylie; Matthew Folkman; Katharine Hollnagel, MD; Sheridan Perry; Raymond Liu, MD
University Hospitals Rainbow Babies and Children's Hospital
Cleveland, OH, United States

ePoster #39**Rates of Avascular Necrosis Following Reduction of Unstable Slipped Capital Femoral Epiphysis: A Thirty-Year Experience**

Jeffrey Nepple, MD; Lindsey Molina; Annmarie Wang; J. Gordon, MD; Zachary Meyer; Perry Schoenecker, MD
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ePoster #40**Risk of Venous Thromboembolism in Adolescents Undergoing Pelvic Osteotomy: Insights from a Propensity-Matched Retrospective Cohort Study**

Mehul Mittal; Tiffany Lee; Katalina Acevedo; **Matthew Hooper**; Rohit Siddabattula; Pooya Hosseinzadeh, MD
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St. Louis, MO, United States

ePoster #41**Single-Event Versus Staged Open Reduction in Bilateral Developmental Dysplasia of Hip: Does Rate of Early Dislocation Vary?**

Gourav Jandial; Vuong Nguyen; Stephanie Pun, MD; **Kishore Mulpuri**, MBBS, MHS, FRCSC; Emily Schaeffer, PhD
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Vancouver, BC, Canada

ePoster #42**Worth a shot? the Value of Intra-articular Corticosteroid Injection in Predicting Pain Relief Following Periacetabular Osteotomy**

Carter Hall; David VanEenaam; Christopher DeFrancesco, MD; Naomi Brown; **Wudbhav Sankar**, MD
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Philadelphia, PA, United States

INFECTION & TUMOR**ePoster #43****Does Patient Level of Affluence Impact Treatment and Outcome for Pediatric Osteosarcoma?**

David Kell; Daniel Yang; Sarah Wetzel; Julianna Lee; Kevin Orellana; **Alexandre Arkader**, MD
Children's Hospital of Philadelphia
Philadelphia, PA, United States

ePoster #44**Unmasking the Hidden Culprit: Triradiate Osteomyelitis Masquerading as Pelvic Pyomyositis in Children**

Anoop Chandrashekar; Naadir Jamal; Brian Hou; Daniel Pucsko; William Hefley; Katherine Hajdu; Jim Cassat; Jessica Leschied; Courtney Baker, MD; Stephanie Moore-Lotridge, PhD; **Jonathan Schoenecker**, MD, PhD
Vanderbilt University Medical Center
Nashville, TN, United States

LOWER EXTREMITY & DEFORMITY**ePoster #45****Combined Root And Body (CRAB) Lateral Meniscus Tears in the Adolescent Population: An Underrecognized and Underreported Tear Pattern**

Karch Smith; James Bomar, MPH; **Andrew Pennock**, MD
Rady Children's Hospital, San Diego
San Diego, CA, United States

ePoster #46**Early Clubfoot Recurrence Can Lead to More Frequent and Earlier Second Recurrences**

Claire Schaibley; Rohit Siddabattula; **Pooya Hosseinzadeh**, MD
St. Louis Children's Hospital, Department of Orthopaedics
St. Louis, MO, United States

ePoster #47**Follow-Up After Hemiepiphysiodesis- Can We Do Better?**

Emilio Feijoo, BS; Shrey Nihalani, BS, BA; Hamp Sisson; Ellie Starnes; Gerald McGwin, PhD, MS; **Kevin Williams**, MD; Shawn Gilbert, MD; Michael Conklin, MD
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Birmingham, AL, United States

ePoster #48 ♦**How Much Improvement In Patient-Reported Outcome Measures After Isolated Medial Patellofemoral Ligament Reconstruction Is Associated With Surgeon-Defined Satisfactory Outcomes? A JUPITER Study**

Saral Patel; Matthew Veerkamp; Beth Shubin Stein; **Shital Parikh**, MD, FACS
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Cincinnati, OH, United States

ePoster #49**How Much Meniscal Translation is Normal? A Pediatric Physiologic Arthroscopic Meniscal Mobility Study**

Henry Ellis, MD; Cassidy Schultz; Dane Lind; Amin Alayleh; Marc Tompkins; Matthew Schmitz, MD; Yi-Meng Yen, MD; Theodore Ganley, MD; Kevin Shea, MD
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ePoster #50**Impact of Obesity on Surgical Outcomes in Pediatric Lower Extremity Fractures: A Propensity Matched Cohort Analysis**

David Momtaz; Quinn Ehlen; Jad Lawand; Blaire Peterson; Rohit Siddabattula; **Pooya Hosseinzadeh**, MD; Jordan Eskenazi
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ePoster #51**Type IV Tibial Tubercle Fractures in Adolescents – Is Operative Treatment Necessary?**

Shrey Nihalani, BS, BA; Emilio Feijoo, BS; Pearce Lane, MD; Adele Bloodworth, BS; Gerald McGwin, PhD, MS; Philip Ashley, MD; **Kevin Williams**, MD; Shawn Gilbert, MD; Michael Conklin, MD
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Birmingham, AL, United States

ePoster #52**When Conservative Treatment Fails: A Comparison of Surgically Treated Idiopathic and Autism Spectrum Disorder-Associated Toe-Walking**

Sang Won Lee; Hillary Nguyen; Shanika De Silva; Winnie Tzu-Hsuan Lin; Maria Canizares, MD, MPH; Benjamin Shore, MD, MPH, FRCSC; Michelle Mo, MD, PhD; **Collin May**, MD, MPH
Boston Children's Hospital
Boston, MA, United States

MISCELLANEOUS

ePoster #53**Beyond the Bones: Characterizing Family Psychosocial Needs of Pediatric Orthopedic Limb Difference Patients**

Morgan Spellman; **Julia Sanders, MD**; Madeline Hornfeck, BS; Sarah Purtell, MD, BS; Sayan De, MD; Jessica Kenny
University of Colorado
Aurora, CO, United States

ePoster #54**Family Preferences In The Treatment Of Completely Displaced Distal Radius Fractures**

Andrew Georgiadis, MD; Walter Truong, MD; Candace Young; Joseph Janicki, MD; **Jamie Burgess, PhD**
Ann & Robert H. Lurie Children's Hospital of Chicago
Chicago, IL, United States

ePoster #55**Family Preferences In The Treatment Of Medial Epicondyle Fractures**

Collin May, MD, MPH; Joseph Janicki, MD; Candace Young; **Jamie Burgess, PhD**
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ePoster #56**Pediatric Orthopaedic Fellowship: Are you Paying your Fellow Fairly?**

Collin Touns; Peter Carr; **R. Carter Clement, MD, MBA**; Srikanth Mudiganty, MD
LSUHSC-New Orleans
New Orleans, LA, United States

ePoster #57**Relative Closure Of Growth Plates In The Upper And Lower Extremity Using A Serial Radiographic Collection**

Marlee Yancey; Neelufar Raja; Ryan Furdock; **Raymond Liu, MD**
Rainbow Babies and Children's Hospital at Case Western Reserve University
Cleveland, OH, United States

ePoster #58**What Proportion of Pediatric Surgical Cases are Performed by Pediatric Orthopaedic Surgeons? A 17-Year Study Using the ABOS Database**

Krish Shyam Sardesai; Lucas Georger; Wudbhav N. Sankar, MD; Ena Nielsen, BA; **Javad Shariati**; Rohit Siddabattula; Pooya Hosseinzadeh, MD
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NEUROMUSCULAR

ePoster #59**Anterior Distal Femoral Hemiepiphysiodesis Procedure: A Comparison of Antegrade Versus Retrograde Insertion**

Kellen Krajewski; Jessica Stockhausen, MS; Amanda Vinson; Lucas Moore; Scott Miller; James Carollo; Radomir Dimovski, MD; Jason Rhodes, MD; **Sayan De, MD**
Children's Hospital Colorado | University of Colorado Anschutz
Aurora, CO, United States

ePoster #60**Withdrawn****ePoster #61****Outcomes of Casting Versus Surgical Treatment for Children with Idiopathic Toe Walking on Gait Abnormalities**

Jeremy Bauer, MD; Susan Sienko; Bruce MacWilliams; Mark McMulkin; Jon Davids, MD
Shriners Children's Portland
Portland, OR, United States

ePoster #62**Risk of Hip Displacement in Patients with Leukodystrophy by Genetic Diagnosis**

Maia Regan; Keith Baldwin, MD; David Spiegel, MD; Christine Goodbody; **Divya Talwar, PhD, MPH, BDS**
The Children's Hospital of Philadelphia
Philadelphia, PA, United States

QUALITY, SAFETY, AND VALUE INITIATIVES

ePoster #63**Are Preoperative Hematological Screening Tests Associated with Allogeneic Transfusion in Idiopathic Scoliosis Surgery?**

Vivien Chan; Suhas Etigunta; Armaan Malhotra; Geoffrey Shumilak; David E Lebel, MD, PhD; **Kenneth Illingworth, MD**; David Skaggs, MD
Cedars-Sinai Medical Center
Los Angeles, CA, United States

ePoster #64**Bracing for Change: Evaluating Evidence Versus Practice in the Treatment of Pediatric Torus Fractures of the Radius**

Emil Varas; Saral Patel; Emmanouil (Manos) Grigoriou, MD; William Shaughnessy, MD; Anthony Stans, MD; Todd Milbrandt, MD; **A. Noelle Larson, MD**
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Rochester, MN, United States

ePoster #65**Deep Vein Thrombosis Following Elective Pediatric Orthopedic Surgery: An ACS NSQIP Pediatric Study**

Samuel Ramirez; Stuart Ferrell; Jessica McGraw-Heinrich, MD; **Nicole Montgomery, MD**
Texas Children's Hospital
Houston, TX, United States

ePoster #66**Improving the Efficiency of Pediatric Posterior Spinal Fusion Precertification**

Lynessa McGee; Jennifer Anadio; Taryn McCarthy-Isfort; Marie Pope, BS; Kelly B. Incerpi; Viral V. Jain, MD; Peter F. Sturm, MD; **Alvin C. Jones, MD, MS**
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ePoster #67

Not Just Fun and Games: Certified Child Life Specialists Improve Success Rate of Young Children Undergoing MRI Studies Without Anesthesia

Olivia Tracey; Colson Zucker; Jenna Wisch; Akshitha Adhiyaman; Ankush Thakur; Melissa Collins; Jessica Parise; John Denneen; Diego Jaramillo, MD, MPH; Hollis Potter, MD; Lisa Ipp; Jessica Heyer, MD

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ePoster #68

Perioperative Pathway for Spinal Fusion in Adolescent Idiopathic Scoliosis: A Quality Improvement Project

Lorena Floccari, MD; Michael Bigham; Kenzie Lundqvist; Matt Holloway; Alexandria Rundell; Richard Steiner; Todd Ritzman, MD
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SPINE

ePoster #69

"Cured" Patients With Early Onset Idiopathic Scoliosis (EOIS) After Serial Casting Are at Risk of Recurrence at Intermediate Follow-up

Rayyan Abid; Abigail Manning; Craig Birch, MD; Peter Sturm, MD; Ying Li, MD; Michal Szczodry; Michael Glotzbecker, MD; Pediatric Spine Study Group
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ePoster #70

Achieving "Ideal" Sagittal Alignment Does Not Influence HRQoL Outcomes 5 Years Following PSF for Lenke 1 AIS

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Kansas City, MO, United States

ePoster #71

Bracing Outcomes in Pediatric Patients with Autism Spectrum Disorder and Adolescent Idiopathic Scoliosis

Jason Amaral; Antony Kallur; Rebecca Schultz; Lori Dolan, PhD; Benjamin Martin; Pablo Coello; Barkha Chhabra; Darrell Hanson; Frank Gerow, MD; Brian Smith, MD
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ePoster #72

Can a Novel AI-Based Predictive 3D Imaging Software for Idiopathic Scoliosis Obviate the Need for Routine Xrays?

Abdullah AIDuwaisan; Hani Alharbi; Joel Maliakkal; Carolina Ricardo; Shaina Sim; Firoz Miyanji, MD, FRCSC
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ePoster #73

Changes in Pulmonary Function During Growth Friendly Treatment of Early Onset Scoliosis: The Importance of Apical Translation

Scott Yang, MD; Natalie Maharaj; Apeksha Gupta; Michael Trask; Anna Faino; Sean Pirkle; Kelson Adcock; Jennifer Bauer, MD, MS; Burt Yaszay, MD; Gregory Redding
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ePoster #74

Clavicle Angle and Concordant T1 Tilt Can Reliably Predict Postoperative Shoulder Balance, defined by Radiographic Shoulder Height, in Adolescent Idiopathic Scoliosis (AIS) Patients

Vishal Sarwahi, MBBS, MS; Effat Rahman; Katherine Eigo; Yungtai Lo; Terry Amaral, MD; Lior Shabtai, MD
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ePoster #75

Complications in Halo Gravity Traction: A 40-Year Longitudinal Review

Anne-Marie Datcu; Anna McClung, BSN; David Thornberg; Jaysson Brooks, MD; Daniel Sucato, MD, MS; Karl Rathjen, MD; Brandon Ramo, MD
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ePoster #76

Do Radiographic Criterion Predict the Presence of Intraspinal Anomalies in Patients with Presumed AIS?

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ePoster #77

Does Open Triradiate Cartilage Lead to Poor Outcomes Among Cerebral Palsy Patients Undergoing Spinal Fusion?

John Vorhies, MD; Nicole Pham; Arun Hariharan, MD, MS; Peter Newton, MD; Craig Louer, MD; Burt Yaszay, MD; Maty Petcharaporn; Firoz Miyanji, MD, FRCSC; Marleni Albarran
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ePoster #78

Longitudinal Pulmonary Function in Early Onset Scoliosis

Scott Yang, MD; Michael Trask; Natalie Maharaj; Apeksha Gupta; Anna Faino; Sean Pirkle; Kelson Adcock; Jennifer Bauer, MD, MS; Burt Yaszay, MD; Gregory Redding
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ePoster #79

Motion Preservation Following Posterior Dynamic Distraction Device for Adolescent Idiopathic Scoliosis Using 3-D Motion Analysis

Michael Albert, MD; Tessa Hill; Angela Lu, NP; Ann Smith; Michael Breneman; Megan Reissman
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ePoster #80**MRI Generated Synthetic CT in Pediatric Spine Patients**

George Michael; Suhas Etigunta; Andy Liu; **David Skaggs, MD**; Meliza Perales; Cristabelle Alexander; Christopher Watterson; Daniel Hoghoughi; Norman Gellada; Kenneth Illingworth, MD
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ePoster #81**Posterior Dynamic Distraction for Adolescent Idiopathic Scoliosis: Minimum 2 Year Follow Up Results of 80 Consecutive Patients**

Geoffrey Haft, MD; Michael Albert, MD; Timothy Oswald, MD; Gilbert Chan, MD; Ryan Fitzgerald, MD; Alvin Jones, MD, MS; **Kevin Neal, MD**; A. Noelle Larson, MD; Todd Milbrandt, MD; Nigel Price, MD; Baron Lonner, MD; Christina Hardesty, MD; John Anderson, MD; Ron El-Avera
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Sioux Falls, SD, United States

ePoster #82**Predicting Unplanned Return to the Operating Room in Early-Onset Scoliosis Patients Using Machine Learning Techniques: A Multicenter Model**

Brett Lullo, MD; Patrick Cahill, MD; John "Jack" Flynn, MD; Paul Sponseller, MD, MBA; Mark Erickson, MD; Amer Samdani, MD; John Smith, MD; Pediatric Spine Study Group; Jason Anari, MD
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Chicago, IL, United States

ePoster #83**Pre-Operative EOSQ-24 Scores are Worsening Over Time**

Rayyan Abid; Sumeet Garg, MD; Benjamin D. Royce, MD; Mark A. Erickson, MD; Michael P. Glotzbecker, MD; **Christina K. Hardesty, MD**; Pediatric Spine Study Group
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ePoster #84**Preoperative Halo Gravity Traction (HGT) is Associated with Improved Correction in Pediatric Patients with Severe Neuromuscular Scoliosis**

Brandon Ho, MS; Peter Huang, MS; Pediatric Spine Study Group; **Ishaan Swarup, MD**
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ePoster #85 ♦**Surgical Correction of Scoliosis Restores Balance: A Prospective Motion Analysis Study**

Ria Paradkar; Christina Regan; Kathie Bernhardt; Kenton Kaufman; **Todd Milbrandt, MD**; A. Noelle Larson, MD
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Rochester, MN, United States

ePoster #86**The Influence of Anxiety and Mood Disorders on Post-Operative Pain in Pediatric Scoliosis Surgery**

David Momtaz; Jad Lawand; Blaire Peterson; Abdullah Ghali; Rohit Siddabattula; **Blake Montgomery, MD**; Pooya Hosseinzadeh, MD
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ePoster #87**What Happens When You Wait? Larger Curves Require More Resources for Less Correction in Neuromuscular Scoliosis**

Brandon Yoshida; Jacquelyn Valenzuela-Moss; Tyler Tetreault, MD; Tishya Wren, PhD; Tiffany Phan; Lindsay Andras, MD; **Michael Heffernan, MD**
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SPORTS**ePoster #88****Bioabsorbable Screw Fixation for Tibial Tubercle Osteotomy in Adolescents: Do They Offer Better Results Than Metallic Screws?**

Luis Moraleda Novo, MD, PhD; Alberto Losa Sánchez; Joaquín Nuñez De Armas, MD; Gaspar Gonzalez Moran
La Paz University Hospital
Madrid, Spain

ePoster #89**Challenges of More Stringent Adolescent Return to Sports Criteria after ACL Reconstruction: Passing Rates and Reinjury Prediction**

Elliot Greenberg; Kevin Landrum; Aubree Brown; Victoria Cabezas; Sulagna Sarkar; J. Todd Lawrence, MD, PhD; **Theodore Ganley, MD**
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ePoster #90**Comparison Between Performance Of Disease-Specific And Region-Specific Patient Reported Outcome Measures For Patellar Instability In An Adolescent Population: Data From The JUPITER Cohort**

David Segal, MD, MPH; Shital Parikh, MD, FACS; Matthew Veerkamp; Eric Wall, MD; Daniel Green, MD; Philip Wilson, MD; Benton Heyworth, MD; Henry Ellis, MD; Marc Tompkins; Jacqueline Brady; Beth Shubin Stein
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Cincinnati, OH, United States

ePoster #91**Is It Worth Repairing Unstable Discoid Meniscus? A Long-Term Analysis Following Meniscal Repair with a Minimum of 5 Years Follow-Up**

Mauricio Drummond, MD; Joseph Charla; Steven Henick; Emily Ferreri; Emmanuel Mbamalu; Edina Gjonbalaj; Leila Mehraban Alvandi, PhD; Jacob Schulz, MD; **Eric Fornari, MD**
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ePoster #92**Micheli-Kocher Anterior Cruciate Ligament Reconstruction Yields Similar Postoperative Outcomes and Rates of Return to Sports as All-Epiphyseal Techniques: A Systematic Review**

Alexander Zakharia; Ahmed Hatem; Fares Al Katanani; Saihajleen Dhillon; **Prushoth Vivekanantha**; Dan Cohen; Darren De SA
McMaster University
Hamilton, ON, Canada

ePoster #93**MPFL Reconstruction with Grammont Is Safe and Effective in Pediatric Patients with Patellar Instability and Increased TT-TG Distance: A Comparison Study**

Anthony Dure; Evan Sheppard, MD; Syed Ahmed, MD; Md Sohel Rana; **Emily Niu, MD**
Children's National Hospital
Washington, DC, United States

ePoster #94**Posteromedial Tibial Bone Bruise Signal is Associated with Concomitant Medial Meniscal Injury in Adolescents Undergoing Anterior Cruciate Ligament Reconstruction**

John Reynolds; Edward Major; Kyle Boden; Tim Westbrooks; Caitlin Conley; Austin Stone; Mary Ireland; Darren Johnson; **Benjamin Wilson, MD**
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Lexington, KY, United States

TRAUMA**ePoster #95****Characteristics and Treatment for Concomitant Radial Head and Olecranon Fractures**

Rohit Siddabattula; Ethan Blum; Claire Schaibley; Feross Habib; Diego Najera Saltos; Lindley Wall, MD; Charles Goldfarb, MD; **Pooya Hosseinzadeh, MD**
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ePoster #96**Clinical Outcomes Are Not Affected with Prompt versus Delayed Treatment of Pediatric Supracondylar Humerus Fractures**

Joshua Meier, MD; Kelly Jenkins, MD; Jennifer Brey, MD; Kent Walker, DO; Laura Jacks; Theresa Kluthe
Norton Children's Hospital
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ePoster #97**Okay to Play! Do Activity Restrictions Matter During Treatment of Pediatric Distal Radius Buckle Fractures? A Prospective Study**

Dustin Greenhill, MD; Neil Jain; Robert Gomez, MD; Nicholas Grimm; Kylie Coffield
St. Luke's University Health Network
Bethlehem, PA, United States

ePoster #98**Unseen Consequences: Elevated Risk of Lead Toxicity in Pediatric Gunshot Wound Victims**

David Momtaz; Jad Lawand; Blaire Peterson; Abdullah Ghali; Rohit Siddabattula; **Pooya Hosseinzadeh, MD**
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St. Louis, MO, United States

ePoster #99**Variability in the Care of Thoracolumbar (TL) Pediatric Spine Trauma**

Manya Bali; **Craig Birch, MD**; Shanika De Silva; Meghana Venkatesh; Maria Canizares, MD, MPH; Daniel Hedequist, MD; Benjamin Shore, MD, MPH, FRCSC; CORTICES Study Group
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Boston, MA, United States

ePoster #100**Wait to Check: Do Early Post-Intervention Radiographs Change Management After Pediatric Femur Fractures?**

Kylie Shaw; Sarah Purtell, BS; Madeline Hornfeck, BS; Patrick Carry; **Julia Sanders, MD**
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2024 American Academy of Pediatrics Section on Orthopaedics Young Investigator Award Winner

DIVERSITY, EQUITY, AND INCLUSION

Are You Listening? The Experience of Black Parents and Caregivers in Accessing Pediatric Orthopaedic Care

Eliza Buttrick, BA; Apurva Shah, MD, MBA; Raghav Badrinath, MD; Sulagna Sarkar, MS; Jaysson T. Brooks, MD; Coleen S. Sabatini, MD, MPH; Sarah Coufal, BS; Christine M. Goodbody, MD; Bernard D. Horn, MD; J. Todd R. Lawrence, MD, PhD; Kathleen J. Maguire, MD; Lawrence Wells, MD; Bredan A. Williams, MD; Lee S. Haruno, MD
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HIP & LOWER EXTREMITY

Incidence of Tibial Tubercle Fractures in Patients with and without Osgood- Schlatter Disease

Rigel P. Hall, BS; Aristides I Cruz, Jr., MD, MBA; John D. Milner, MD; J. Alex Albright, BS; Tucker C. Callanan, MD; Alan H. Daniels, MD
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POTPOURRI

Orthopaedists Beware: Severe Nutritional Rickets and Autism Spectrum Disorder

Alexandra L. Falkenberg; Melinda S. Sharkey, MD; Leila Mehraban Alvandi, PhD; Edina Gjonbalaj, BS; Alexa J. Karkenny, MD
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SPINE

Preoperative Intrathecal Morphine Injection is Superior in Terms of Pain Control when Compared to a Post- Incisional Injection

Katherine Eigo, BA; Terry Amaral, MD; Vishal Sarwahi, MD; Sayyida Hasan, BS; Keshin Visahan, BS; Peter Boucas, DO; Effat Rahman, BS; Michelle Kars, MD; Jon-Paul DiMauro, MD; Benita Liao, MD; Yungtai Lo, PhD
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Patient's Perceived Flexibility After a Spinal Fusion

Effat Rahman, BS; Terry Amaral, MD; Keshin Visahan, BS; Vishal Sarwahi, MD; Katherine Eigo, BA; Sayyida Hasan, BS; Himanshu Rao, BS; Britteny Moncrieffe, BS; Kiara Thompson, BS; Hannah Travers, BS; Sanjeev Suratwala, MD, MBA; Yungtai Lo, PhD
Cohen Children's Medical Center
Queens, New York, United States

SPORTS & FOOT/ANKLE

Different Roads Traveled: Disparities in the Preoperative Timeline Result in Delays to Pediatric Anterior Cruciate Ligament Reconstruction

Michelle A. Nutescu, BS Biomedical
Engineering- Pre-Medicine; Neeraj
M. Patel, MD, MPH, MBS; Samuel
Rosenberg, MD; Elizabeth H.
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Attendees can access and view the virtual symposia through the meeting mobile app.

Artificial Intelligence and the Pediatric Orthopaedic Surgeon

Chair: Kevin Neal, MD, MBA

75 minutes

*This year's symposium from the Practice Management Committee focuses on the capabilities and benefits that artificial intelligence (AI) offers for pediatric orthopaedic surgeons. By highlighting real-world success stories and innovative applications, the symposium will encourage the integration of AI tools into current practice. Topics will cover AI applications for hospital and clinic settings, as well as their use for quality initiatives and research. (*composed from a draft produced by an AI language model)

Introduction

Kevin Neal, MD, MBA

AI for Research – Grants, Data Analysis, Manuscript Writing, and PROMs

Rene Caissie, MD

The Future of Surgery: Using Artificial Intelligence to Produce Fully Objective Data

Nathaniel Smith

GPT to Improve Efficiency in Quality and Safety Reporting

Keith Morse, MD, MBA

How AI Can Re-Imagine Your Musculoskeletal Practice

Alfred Atanda, Jr., MD

Developing an AI/Machine Learning Tool to Predict Healing of OCD

Kevin Shea, MD

AI in Orthopaedics

Ayoosh Pareek, MD



POSNA Research Priorities and Vision

Chairs: Jennifer Laine, MD; A. Noelle Larson, MD; Apurva Shah, MD

75 minutes

In response to the Member Needs Assessment and in alignment with the POSNA Strategic Plan, the POSNA Research Council has embarked upon multiple recent initiatives. This symposium will highlight key areas of these efforts, in particular, the ways in which POSNA Research involvement will become more accessible to the POSNA Membership. These initiatives aim to focus research priorities, to provide clarity around preferred patient-reported outcome measures, and to discuss the process for surveys. The development of Surgeon Quality Improvement Databases (SQID) will invite broad participation across the membership. The generous support of the Roshen Irani Grants and the growing collaboration between the Research and JEDI Committees will strengthen the future of POSNA Research.

Introduction

Apurva Shah, MD, MBA

POSNA Research Priorities Consensus

A. Noelle Larson, MD

Priority POSNA Patient Reported Outcome Measures

Stuart Mitchell, MD

POSNA Survey Research

Neeraj Patel, MD, MPH

The Role of Surgeon Quality Improvement Databases (SQIDs) at POSNA

Kali Tileston, MD

Roshen Irani Grants and Collaboration between Research and JEDI Committees

Corinna Franklin, MD & Jennifer Laine, MD

Next Steps and Conclusion

Apurva Shah, MD, MBA

Looking Beyond Individual Patient Outcomes: Considering The Environmental Impact Of Our Clinical And Surgical Decisions

Chairs: Laura Bellaire, MD & Hilton Gottschalk, MD

50 minutes

This virtual symposium is designed to provide listeners with perspective on the scope and scale of environmental and associated public health impacts specific to pediatric orthopaedic surgery. Presenters will aim to provide an understanding of the ramifications of current utilization trends on global communities and our natural environment. Learners will be encouraged to reflect on their individual clinical decision making through this lens. Specifically, discussions will center opportunities to reduce unnecessary harm to the environment through preoperative planning, materials utilization, and communication with clinical and surgical teams. Challenges and successful strategies will be reviewed, with a focus on opportunities to build camaraderie and efficiency while reducing waste and cost. Specific education and mentorship strategies will be explored to promote dialogue, encourage diverse participation, and prepare our future workforce to advocate on behalf of their patients, peers, and health systems.

Introduction

Reflecting on our Current Practices: A Review of Recent Literature Surrounding Surgical Waste, Overage, Unnecessary Transfers, and Overtreatment

Hilton Gottschalk, MD

Planning for Your Anticipated Needs and wants in the OR: How Surgeons Can Use Preoperative Planning to Strengthen Camaraderie and Efficiency Amongst OR Teams

Laura Bellaire, MD

Exploiting Existing EMR Tools to Optimize Communications and Reduce Waste with Your Surgical Team: Electronic Case Scheduling & Surgical Receipts

Kali Tileston, MD & Kevin Shea, MD

Is a Focus on Surgical Efficiency at Odds with Innovation? Strategies to Run a Tight Ship in the OR without Curbing Creativity or Curiosity

Peter Nichol, MD, PhD

Future Improvements Rely on Data: The Importance of Quality Improvement & Unique Challenges in Implementing Change within Your Health System

Sonia Chaudhry, MD, BS, FAAOS, FACS

Education as a Key Enabler: Orthopaedic Surgeons are Engaging with their Departments & Health Systems to Envision More Sustainable Systems and Promote Behavioral Change Amongst Surgeons and OR Teams

Verena Schreiber, MD

Considerate Mentorship & Reverse Mentorship Strategies to Enable Sustainability-Focused Orthopaedic Research, Uplift Diverse Contributors, and Engage Senior Colleagues

Jill Larson, MD

Panel Discussion: Voices of Aspiring Orthopaedic Surgeons

Olivia Grothaus (PGY5 Univ of Utah); Daisy Lookinland (MS2 Drexel); Sam Noonan (MS2 CU); Ravi Rajendra (PGY4 LSU); Katherine Velicki (PGY4 OHSU)

Disaster Response and the Pediatric Patient

Chairs: Philip McClure, MD & Benjamin Sheffer, MD

90 Minutes

Disaster preparedness is a critical component of orthopedic training despite minimal exposure within most residency programs. This POSNA Trauma Committee virtual symposium offers a brief overview of vital aspects of disaster response, while pointing attendees to high quality resources for further study. Several high-profile examples of disasters will be reviewed, with attention to lessons learned and the improvements made at each hospital system as a result.

Introduction

Philip McClure, MD

Incident Command System

Benjamin Sheffer, MD

Value of Preparedness and Triage

Elhanan Bar-On, MD, MPH

Disaster Response Lessons Learned: Boston Marathon

Benjamin Shore, MD, MD, MPH, FRCSC

Disaster Response Lessons Learned: Pediatric Ballistic Mass Casualty

Abby Howenstein, MD

Navigating Change: Transitioning Pediatric Orthopedic Patients with Lifelong Conditions to Adulthood

Chairs: Elinor Berger, MS, NP, RN & Paige Wheaton, MPAS, PA-C, ATC

60 Minutes

Many pediatric patients with lifelong conditions often do not have a reliable medical community and face many challenges as they transition into adulthood. These can include insurance changes/requirements, institutional age limitations, and overall lack of understanding of their needs from the adult orthopedic community. Additionally, many patients and families lack understanding of the challenges one can face during this transition, and often do not anticipate and plan appropriately as a result. This symposium has been planned by the Pediatric Orthopaedic Practitioners Society (POPS).

Introduction

Understanding the Landscape of Transition Medicine: Challenges and Strategies for Success
Ellen Fremion, MD

Change through a Patient's Lens: Insights and Reflections
M. Wade Shrader, MD

Orthopaedics in Transition: Current Concepts, Pitfalls, and Future Directions
Benjamin Shore, MD, MPH, FRCSC

The Journey to Success: the Essential Keys of Implementing a Specialty Transition Clinic
Victoria Brentari, BSN, RN & Nicole Broussard, LCSW

Continuing the Conversation: Concluding Remarks and Topics for Discussion

Management of Pediatric Osteoarticular Infections

Chairs: Christine Goodbody, MD, MBE; Oduche Igboechi, MD, MPH, MBA; Anna Rambo, MD

90 Minutes

The 2025 Pediatric Orthopaedic Global Outreach (POGO) Virtual Symposium will focus on osteoarticular infections. An expert panel including speakers from different regions of Africa, will discuss diagnosis and treatment of early and late sequelae of septic arthritis and osteomyelitis in skeletally immature patients. The symposium will conclude with an introduction of the 2024/2025 POGO scholars and their original research presentations.

Introduction

Anna Rambo, MD (U.S.)

Management of Post-Infectious Long Bone Defects
Emeka Izuagba, MBBS (Nigeria)

Potts Disease

Joseph Theuri, MD (Kenya)

Neglected Septic Hip

Netsanet Mengiste, MD (Ethiopia)

Septic Arthritis Updates

Keith Baldwin, MD (U.S.)

Introduction of POGO Scholars and POGO Scholar Program

POGO Scholars: Bag of Bones

Thomas Sough, MD (Kenya); Rujuta Mehta, MS (Orth), DNB (Orth) (India); Shirin Zamani, MD (Iran)

Panel Discussion

Christine Goodbody, MD, MBE & Oduche Igboechi, MD, MPH, MBA

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SPRING MICROGRANTS

Tyler Augi — \$1,000

(Funded by Orthofix)

Determining the Decision Support Needs of Patients Considering PAO

UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA

Alyssa Barré, MD — \$1,000

Casting Education for Pediatric Patients in the Form of a Children's Book

University of Kentucky, Lexington, KY

Patrick Curran, MD — \$1,000

(Funded by Washington University St. Louis)

Development of Accessible Gait Analysis Curriculum for Orthopaedic Trainees

Rady Children's Hospital - San Diego, San Diego, CA

Theodore Ganley, MD — \$1,000

(Funded by Novadip)

Effect of Sports Participation on Grit in High School and Graduate Students

The Children's Hospital of Philadelphia, Philadelphia, PA

Stephanie Ihnow, MD — \$1,000

Initiation of a Scoliosis Brace Graduation Celebration

University of Florida, Gainesville, FL

Sean Tabaie, MD — \$1,000

Development of Provider Educational Infographics for Neuro-Orthopaedics

Children's National Medical Center and Children's Research, Washington, DC

Natalie Zusman, MD — \$1,000

Ottawa Rules for SCFE

Northwest Permanente, P.C., Portland, OR

FALL MICROGRANTS

Nikolaos Paschos, MD, PhD — \$2,500

Brace Repurposing for Underserved Children and Adolescents

Massachusetts General Hospital, Boston, MA

Brian Lynch, MD — \$2,500

Use of Fiber Tape for Hemiepiphysiodesis in a Safe, Cost-Effective Manner

Stony Brook University, Stony Brook, NY

Mara Karamitopoulos, MD — \$2,500

(Funded, in part by, Novadip and Washington University St. Louis)

Community-based Peer Support for Families of Children with CP

New York University Grossman School of Medicine, New York, NY



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2024 RESEARCH GRANT WINNERS

ANGELA S.M. KUO MEMORIAL AWARD

Hiroko Matsumoto, PhD — \$40,000

Impact of SMN2 Copy Number on Musculoskeletal Pathoanatomy in SMA Children

Boston Children's Hospital, Boston, MA

ARTHUR H. HUENE MEMORIAL AWARD

Matthew Halanski, MD — \$30,000

Decreasing the Morbidity of Neuromuscular Hip Treatment

Phoenix Children's Hospital, Phoenix, AZ

ST. GILES YOUNG INVESTIGATOR AWARD

Brendan Williams, MD — \$30,000

Development of A Trochlear Dysplasia Porcine Model - A Pilot Study

The Children's Hospital of Philadelphia, Philadelphia, PA

POSNA Research Grants (2)

- **Nina Lightdale-Miric, MD — \$30,000**

Evaluating Adaptive Rock Climbing on Children with Upper Limb Differences

Children's Hospital Los Angeles, Los Angeles, CA

- **Todd Milbrandt, MD — \$15,000**

Development of AI Tool to Predict the Need for MRI in Scoliosis

Mayo Clinic, Rochester, Rochester, MN



DIRECTED RESEARCH GRANT

Michelle Marks, PT — \$50,000

Post-op Lumbar Spine Motion in AIS: VBT vs PSF

Setting Scoliosis Straight Foundation, El Cajon, CA

POSNA Registry Grant (3-year grant)

- **Brian Haus, MD — \$150,000 total (Year 1 of 3 \$50,000)**

Registry of Arthroscopy for Meniscal Pediatric Pathology (RAMPP)

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- **Anthony Philip Cooper, FRCS, MBChB — \$148,900 total (Year 3 of 3 \$49,900)**

International Limb Differences Registry

University of British Columbia, Vancouver, BC, Canada

ROSHEN N. IRANI RESEARCH GRANT

Neeraj Patel, MD — \$20,000

RED KARD: Reducing Disparities in Knee Arthroscopy for Adolescents

Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

ROSHEN N. IRANI RESEARCH TRAINING GRANT (2)

- **Sarah Bradley — \$9,969**

Does Surgeon Gender and Size Affect Muscle Exertion During Spine Surgery?

Medical University of South Carolina, Charleston, SC

- **Stefano Cardin, MD — \$9,800**

Significance of Rotational Malreduction in Supracondylar Humerus Fractures

The Children's Hospital of Philadelphia, Philadelphia, PA

QSVI GRANT

Amanda Whitaker, MD — \$25,000

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- Cerebral palsy care and management
- Limb length discrepancy and leg deformity and conditions
- Pediatric fracture and trauma care
- Gait conditions
- Skeletal dysplasia

ARMSTRONG CHILDREN'S ORTHOPEDIC ALLIANCE

TABLE 8

The Armstrong Children's Orthopedic Alliance is dedicated to enhancing the quality of pediatric orthopedic care by providing advanced and innovative training for healthcare professionals. This initiative was made possible by OrthoPediatrics, which generously provided the necessary financial support to establish and develop the Alliance. The organization 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 two Continuing Medical Education (CME) courses: the Pediatric Orthopedic Surgical Techniques Course (POST) and the International Children's Spine Symposium (ICSS). Additionally, it conducts pediatric orthopedic resident training programs in several locations, including Akron, Ohio; Sacramento, California; Houston, Texas; Santiago, Chile; Sao Paulo, Brazil; and Rosario, Argentina, with plans to expand to more sites.



ATEC SPINE

BOOTH 4

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



BALTIMORE LIMB DEFORMITY COURSE

TABLE 1

The Baltimore Limb Deformity Course is intended for orthopedic surgeons, podiatrists, and allied health professionals who treat lower extremity deformities. The course features lectures, deformity planning sessions, innovative apps, case presentations from experts, and an internationally renowned faculty. We introduce basic and advanced limb reconstruction concepts including limb alignment, limb lengthening, corrective osteotomies, and internal and external fixation. The 2024 Course was attended by over 230 clinicians from 30 foreign countries and 34 U.S. states.

Attendee Comments:

- "Excellent faculty, lovely venue with great food and tea/coffee, great industry support, and passionate table tutors. Overall, very well organised and would highly recommend."
- "I regret not attending sooner; this is a course that ought to be included in the professional development of every orthopedic specialist, no matter their focus."
- "This course is the best course I've ever been to!! I have never learned so much at any other course, every single lab, and every single lecture is worth every penny!"
- "This was a great opportunity to network and learn from many esteemed colleagues..."
- "Learned a lot from very knowledgeable faculty. The lab faculty was excellent."



BSN MEDICAL, AN ESSITY COMPANY

BOOTH 7/8

The name Essity stems from the words: "essentials" and "necessities". Essity is formerly known as BSN Medical. Hygiene and health are the essence of well-being. As a leading global hygiene and health company, Essity provides products and services that make a meaningful impact on people's lives every day. This is the inspiration behind the name Essity. The medical business area of Essity includes categories such as incontinence, wound care, compression therapy, and orthopedics products. Our orthopedic brands that you know, and trust include Delta-Cast and Actimove.



EXHIBITOR LISTING

CHECKPOINT SURGICAL

BOOTH 30

Checkpoint Surgical is driving innovation in peripheral nerve surgery. Checkpoint's products include advanced nerve stimulation devices and novel biomaterial implants and instruments for the art of nerve repair surgery.



CHILDREN'S NATIONAL HOSPITAL

BOOTH 9

Children's National Hospital, based in Washington, D.C., was established in 1870 to help every child grow up stronger. Today, it is one of the top 10 children's hospitals in the nation and ranked in all specialties evaluated by U.S. News & World Report. Children's National is transforming pediatric medicine for all children. The Children's National Research & Innovation Campus opened in 2021, a first-of-its-kind pediatric hub dedicated to developing new and better ways to care for kids. Children's National has been designated three times in a row as a Magnet® hospital, demonstrating the highest standards of nursing and patient care delivery. This pediatric academic health system offers expert care through a convenient, community-based primary care network and specialty care locations in the D.C. metropolitan area, including Maryland and Virginia. Children's National is home to the Children's National Research Institute and Sheikh Zayed Institute for Pediatric Surgical Innovation. It is recognized for its expertise and innovation in pediatric care and as a strong voice for children through advocacy at the local, regional and national levels.



CURE 4 THE KIDS FOUNDATION

TABLE 4

Cure 4 The Kids Foundation is Southern Nevada's only treatment center for children battling cancer and other complex medical conditions. We are dedicated to advancing the treatment and prevention of childhood diseases through clinical expertise, cutting-edge research, and innovative approaches. Our approach extends beyond merely treating a diagnosis, we prioritize the unique needs of each child.



ENABLING TECHNOLOGIES

BOOTH 24/27

Founded in 2006, OrthoPediatrics is an orthopedic company focused exclusively on advancing the field of pediatric orthopedics. As such, it has developed the most comprehensive product offering to the pediatric orthopedic market to improve the lives of children with orthopedic conditions. OrthoPediatrics currently markets 72 products that serve three of the largest categories within the pediatric orthopedic market. This product offering spans trauma and deformity, scoliosis, and sports medicine/other procedures. OrthoPediatrics' global sales organization is focused exclusively on pediatric orthopedics and distributes its products in the United States and over 70 countries outside the United States. For more information, please visit www.orthopediatrics.com.



ENTERMED

BOOTH 3

EnterMed is a leading provider of high-quality medical equipment and supplies, serving a diverse clientele that includes surgeons, dentists, dermatologists, veterinarians, nurses, optometrists, orthopedists, physical therapists, and gynecologists. The company offers competitive pricing, free extended warranties, priority shipping, and flexible financing options for all medical needs. Clients consistently praise EnterMed for its exceptional customer service, reliable delivery, and extensive product inventory, making it a trusted partner in the healthcare industry.



EXHIBITOR LISTING

GILLETTE CHILDREN'S

TABLE 7

Gillette Children's is a global beacon of care for patients with brain, bone, and movement conditions that start in childhood. Our research, treatment, and supportive technologies enable every child with complex medical challenges to lead a full life defined by their dreams, not their diagnoses.



GLOBUS MEDICAL, INC.

BOOTH 5/6

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 21

Hely & Weber designs, develops, and delivers innovative orthopedic braces through collaboration, exceeding expectations and achieving exceptional outcomes. As part of our commitment to advancing pediatric orthopedic care, we are expanding our **TINY** product line—designed specifically to support the unique needs of young patients.

Our latest launch, the **TINY Pediatric Post-Op Knee Brace**, provides essential post-surgical support with a focus on comfort, adjustability, and effective stabilization.



HIGHRIDGE MEDICAL

BOOTH 14

Highridge Medical is dedicated to restoring daily life for patients through comprehensive spinal solutions with a focus on education, training, and clinical support for surgeons. Along with cervical disc replacement, vertebral body tethering, comprehensive spinal fixation, and fusion implants, Highridge offers minimally invasive procedural solutions and a complete suite of biologic solutions.



HOSPITAL FOR SPECIAL SURGERY (HSS)

TABLE 5

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.



EXHIBITOR LISTING

I'M A HIPPY

TABLE 2

I'm a HIPpy is a Vancouver born and led grassroots organization that supports world-class research, innovation, and education initiatives for the improvement of care and outcomes for children with Hip Dysplasia and other hip disorders globally. By supporting the groundbreaking work of the Hippy Research team at BC Children's Hospital, we are committed to ensuring that every child diagnosed with a hip disorder has the best chance to grow up with a pain-free, mobile, and hip-healthy life.



IMPACCT

TABLE 12

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).



IMPLANET

BOOTH 34

Implanet is the leader in sublaminar band technology with >10 years of success with the Jazz Band System in pediatric spinal deformity surgery. We are excited to now offer the Olea Ultrasonic Osteotome, the latest in ultrasonic bone cutting technology.



JOHNSON & JOHNSON MEDTECH

BOOTH 31/32

The orthopaedics solutions of J&J MedTech provides one of the most comprehensive orthopaedics portfolios in the world that helps heal and restore movement for the millions of patients we serve. J&J MedTech's 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.



KIDDFOOT CLUBFOOT SOLUTIONS

BOOTH 22

We established KiddFoot to be the leader in innovation of products designed to help clubfoot patients globally. From our unilateral bracing option (ADM) to the KiddFoot Dobbs Boots & Bar, we have positioned the company to address any and all clubfoot needs from a clinical perspective.



MCLEOD HEALTH

TABLE 9

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 8 hospitals with locations in Florence, Darlington, 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 15,000 team members. McLeod constantly seeks to improve patient care with efforts that are physician led, data-driven and evidence-based.



MEDTRONIC

BOOTH 25/26

Bold thinking. Bolder actions. 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. Learn more at www.medtronic.com.



MERETE TECHNOLOGIES INC.

BOOTH 16

Merete Technologies Inc. is committed to innovation and excellence in pediatric orthopedic solutions. Our mission is to discover and react to market demands at any time. We accomplish this by providing cutting-edge advancements that prioritize patient health and outcomes. Our PediatrOS FlexTack™ and RigidTack™ implants, revolutionize guided growth and growth arrest with a more simplistic approach. These advanced staples leverage the proven tension-band principle to correct leg length discrepancies and angular deformities.

At Merete, we don't just develop products—we create solutions that empower healthcare professionals and improve lives.



MHE RESEARCH FOUNDATION

TABLE 6

The MHE Research Foundation is a nonprofit 501(c) (3) organization dedicated to the support of Researchers, Physicians & Families dealing with Multiple Hereditary Exostoses Syndrome (MHE) Multiple Osteochondroma Syndrome (MO) a rare genetic bone disease.

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.



MIRUS MED

BOOTH 33

Inspired by NASA's pioneering material science for rocket engines, MiRus leverages proprietary Rhenium-based alloy MoRe® to revolutionize medicine with safer, more durable implants and less invasive surgeries. Our integrated platform spans pre-operative, intra-operative, and post-operative solutions, offering innovative implant designs, novel procedural approaches, and advanced remote monitoring systems to enhance patient outcomes across the continuum of care.



EXHIBITOR LISTING

NORTHWELL HEALTH

BOOTH 23

Northwell Health Orthopedics and Pediatric Service Line are seeking BE/BC fellowship trained Pediatric Physicians to join our growing

team at Northwell Health. Northwell Orthopaedics is part of an extensive network of world-class orthopaedic resources and is recognized nationally and internationally as a leader in patient care, education, and research. We are looking for General Orthopedic Surgeons who have an interest in Neuromuscular Disease, Sports Medicine, and/or Trauma. Northwell Health Pediatric Service Line has a team of 10 board-certified, fellowship-trained orthopaedic surgeons who specialize in the treatment of orthopaedic and spine conditions in children and young adults.



Cohen Children's Medical Center opened in 1983 as the New York metropolitan area's only hospital designed exclusively for children. Today, it is the largest pediatric teaching hospital in the region, with over 750,000 visits annually and serving 1.8 million children in Brooklyn, Queens, Nassau, and Suffolk counties. It is the tertiary pediatric medical center of the Northwell Health System and the only Level-1 Pediatric Trauma Center in Nassau and Queens, and one of two on Long Island.

NVIEW MEDICAL

BOOTH 18

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 and 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 the 2025 Annual Meeting!



OP SPECIALTY BRACING

BOOTH 10/13

Founded in 2023 as a division of OrthoPediatrics, OrthoPediatrics Specialty Bracing is a company focused on transforming the lives of children with orthopedic conditions. We are committed to the infinite idea of improving healthcare for children and improving the lives of their families and friends. Our approach involves offering specialized pediatric orthotic and prosthetic clinics across the country, including major Children's Hospitals, that treat a wide range of pediatric diagnosis. OP Specialty Bracing has become a house of brands with 17 different products that have set the standard of care in pediatric treatment for decades. OrthoPediatrics Specialty Bracing currently has 29 clinics spanning across 11 states and is expanding yearly nationally and internationally. Pediatric care is not just something we do—it's our passion, our purpose, and our promise to the kids we serve. For more information please visit: opsb.com.



ORTHOFIX

BOOTH 2

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 that addresses the most challenging orthopedic conditions worldwide 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 @orthofixorthopedics.



ORTHOPEDIATRICS

BOOTH 1

Founded in 2006, OrthoPediatics is an orthopedic company focused exclusively on advancing the field of pediatric orthopedics. As such, it has developed the most comprehensive product offering to the pediatric orthopedic market to improve the lives of children with orthopedic conditions. OrthoPediatics currently markets 72 products that serve three of the largest categories within the pediatric orthopedic market. This product offering spans trauma and deformity, scoliosis, and sports medicine/other procedures. OrthoPediatics' global sales organization is focused exclusively on pediatric orthopedics and distributes its products in the United States and over 70 countries outside the United States. For more information, please visit www.orthopediatrics.com.



OSSIO

BOOTH 19

Only OSSIOfiber® implants restore healthy bone using a strong and bio-integrative material, leaving the body renewed without permanent hardware. Transform your Orthopedic Patient Experience with OSSIOfiber® Metal-Free Fixation for Bone Fractures and reconstruction procedures. Now FDA Cleared for use in children as young as age 2.



PACIRA BIOSCIENCES, INC.

BOOTH 17

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.



PATHKEEPER SURGICAL

BOOTH 29

PathKeeper Surgical Spine Navigation combines AI-driven software and ultra-high resolution 3D optics to transform the analog OR into a new digital ecosystem, offering surgeons unprecedented precision and real-time guidance for spinal deformity procedures.

Sub-millimeter accuracy for registration and tool tracking is achieved by using proprietary algorithms for individual vertebral segmentation. Together with 3D optics we provide real-time, high-definition imaging throughout the procedure.

The system's software integrates preoperative CT scans with intraoperative optical imaging, creating a dynamic 3D map and digital twin of the spine.

This allows for continuous and measured tracking and updates to account for patient movement, reference array movement, or anatomic shifts during surgery.

The system eliminates the need for intraoperative radiation, significantly reducing exposure risks for young patients.

By combining cutting-edge AI, optical imaging, and precision tracking, PathKeeper is a unique tool that can empower surgeons to achieve safer and more effective outcomes.



RADY CHILDREN'S HEALTH

BOOTH 37

Rady Children's Health (RCH), a premier pediatric healthcare system in Southern California, unites the trusted expertise of Children's Hospital of Orange County (CHOC), nationally recognized for its commitment to safe, high-quality care, and Rady Children's Hospital San Diego, ranked among the nation's top 10 children's hospitals by U.S. News & World Report. The Orthopaedic Institute at Children's Hospital of



Orange County offers innovative programs and specialized expertise in treating conditions related to the spine, sports medicine, neuromuscular disease, musculoskeletal tumor, hand, foot, and hip. Our industry experts provide 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 forge discoveries in treatment and rehabilitation.

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 seeking safe, high-quality care. Building on a combined legacy of more than a century of clinical excellence, RCH is dedicated to advancing children's health through leading-edge research, innovative treatments, and compassionate care. We remain steadfast in our commitment to serving our local communities while providing the benefits of our integrated organization.

ROCKET ORTHOPEDIC

BOOTH 15

Rocket Orthopedic is the direct to clinic sales side of Air A Med, a family-owned business dedicated to providing high-quality orthopedic braces across the USA and around the globe. Over three generations, the DeMaria family has worked together to build a reputation for delivering durable, reliable, and affordable braces that support people in all walks of life, from athletes and active individuals, to those recovering from injury or surgery. Air A Med's products are trusted by medical professionals, athletes, and consumers alike to enhance mobility, prevent injury, and aid in effective recovery. Our commitment to quality and innovation ensures that our orthopedic solutions meet the needs of a global customer base, delivering comfort and functionality at an outstanding value.



SCOTTISH RITE FOR CHILDREN

TABLE 10

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. 2 in the nation for pediatric orthopedic care in collaboration with Children's Medical Center Dallas and UT Southwestern Medical Center. An eight-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 35/36

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.

SPINEART

BOOTH 28

Spineart is a recognized leader in spine surgery innovation focused on elevating the standard of spinal care for patients across the world.

We support spine surgeons in over 60 markets, operating a broad commercial portfolio of patented, clinically validated solutions which incorporate advances in minimally invasive surgery, motion preservation technologies, 3D-printed implants and streamlined instrumentation. We are also expanding the field of possibilities for patients and surgeons with a pipeline of new products built around innovation in fusion, cervical disc prostheses, and robotic guidance

Our Goal: Improve the results of our patients by simplifying surgery

Our values: Respect: Respect is at the center of our decisions and actions both internally and externally. We strive to communicate with kindness.

Integrity: We carry out our missions with honesty and transparency.

Solution oriented: We are creative, positive, and open-minded in the management of our problems.

Our philosophy: Quality, Innovation, Simplicity



THE LITTLE LEGS BIG HEART FOUNDATION TABLE 11

The Little Legs Big Heart Foundation is a nonprofit organization dedicated to empowering individuals born with skeletal dysplasia/dwarfism and their families. Our mission is to promote inclusion, provide resources, and foster awareness of the unique medical challenges and triumphs faced by those with skeletal dysplasia. Through education, advocacy, and outreach, we strive to build a supportive global community that unites families, healthcare professionals, researchers, and industry leaders — together inspiring perseverance, acceptance, positive change, and creating a lasting impact.



THE SHALOM FOUNDATION

TABLE 3

The Shalom Foundation, based in Nashville, TN, is a Christian faith-based non-profit organization that supports the Moore Center, a pediatric surgical hospital in Guatemala City. The hospital works with U.S. medical teams on short-term missions, where volunteer doctors and specialists offer their expertise and skills to provide free, life-changing surgeries to those in need.

To date, The Shalom Foundation has funded over 10,000 successful surgeries at the Moore Center, with plans to fund 10,000 more. We consider our surgical approach one of the most unique in the world, where quality healthcare is synonymous with dignity. In addition to surgeries, we offer follow-up care with local surgeons and provide updates to U.S. medical teams after surgeries are performed.

Our facility is equipped with 3 operating rooms, 5 PACU beds, 3 dental clinics, and 9 recovery rooms.

The surgical specialties we perform include plastic surgery, orthopedics, ENT, oculoplastic, general surgery, dental, and urology.



THE UKRAINIAN CENTER OF LAS VEGAS

TABLE 13

The Ukrainian Center of Las Vegas promotes awareness of Ukrainian culture and human rights. Among our activities, we collaborate with children's hospitals in Ukraine on relief efforts and scientific cooperation.



VALD

BOOTH 20

VALD is the world leader in the development and distribution of human measurement technologies for clinical and performance professionals. Our innovative solutions provide objective data and unparalleled insight into human movement, performance, injury risk, and rehabilitation.

At VALD, our purpose is clear: to help musculoskeletal health and performance professionals make better decisions that enhance patient and athlete care. Through continuous innovation and a steadfast commitment to excellence, VALD remains dedicated to advancing the musculoskeletal health industry and improving outcomes for patients and athletes worldwide.



VB SPINE, LLC

BOOTH 11/12

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.





LANGUAGE

English is the official language of the 2025 POSNA Annual Meeting.

NO SMOKING POLICY

Smoking is not permitted during any meeting or event.

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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NO CAMERAS OR VIDEO CAMERAS

No cameras or video recorders are allowed in any of the sessions or meeting rooms.

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Expert Pediatric Orthopedic Care

From Simple to Complex

Our Expertise

- Advanced surgical and non-surgical treatments
- Personalized pediatric rehabilitation therapies
- Orthopedic and Spine research programs
- Cerebral Palsy Institute and DNV-certified Spine Institute



Conditions Seen

- Systemic disabilities and disorders
- Hip, spine, and growth plate issues
- Sports injuries including fracture and soft tissue injury
- Upper and lower extremity concerns
- Infections and trauma



Our patients live a life defined
by dreams, not diagnosis.

gillettechildrens.org

SAFETY INFORMATION

POLICE STATION

Convention Center Area
Command
750 Sierra Vista Drive
Las Vegas, Nevada 89169
(702) 828-6430
Distance Away: 2.5 miles

FIRE DEPARTMENT

Station 32
2550 W Harmon Avenue
Clark County, Nevada 89109
(702) 455-7311
Distance Away: 0.51 miles

EMERGENCY NUMBERS

City Police: #911
City Non-Emergency:
(702) 828-3111
Poison Control: (800) 222-1222
(Nationwide)

MEDICAL EMERGENCY

If you have a personal
emergency during your stay
at Caesars Palace or need to
report an emergency, please dial
"0" for the operator and ask for
Emergency Security Assistance
or the following number for any
personal phone: (702)731-7909

NEAREST HOSPITAL

Desert Springs Hospital
2075 E Flamingo Road
Las Vegas, Nevada 89119
(702) 369-7772
Distance Away: 2.9 miles

PHARMACY

Walgreens
3397 S Las Vegas Boulevard #1
Las Vegas, Nevada 89109
(702) 473-7395
Distance Away: 0.4 miles

LOST & FOUND

Registration Desk

VEGAS UNLOCKED

SHOW YOUR BADGE AND SAVE!

Exclusive discounts on dining,
entertainment, attractions,
tours and much more!



To Access Deals:

1. Click the [LINK](#)
2. Select **2025 POSNA Annual Meeting** from the event dropdown menu to access deals tailored to your show.
3. Receive instant access via email—no app download required!

Check Out Participating Businesses

View the **current list of participating businesses** [HERE](#).

Keep an eye out as the list continues to grow in the coming weeks!



[Click Here](#)

for attractions
and things
to do



LAS VEGAS TRANSPORTATION



AIRPORT

Harry Reid International Airport

[Harry Reid International Airport](#) is conveniently located just 2 miles from Las Vegas Boulevard and 4 miles from Caesars Palace. The airport currently has more than 1,050 inbound and outbound flights per day and direct service to nearly 150 U.S. and international cities.

Ground Transportation To/From Airport

A variety of ground transportation options are available to/from the airport. <https://www.harryreidairport.com/Transportation>

GETTING AROUND TOWN

Ride Share

Ridesharing, commonly associated with [Uber](#) and [Lyft](#), is a convenient option for visitors to get around the destination, no matter where you are in Las Vegas. It's as simple as downloading the rideshare app of your choice, inputting information, and waiting for your ride to show up.

Taxi

Taxis are a reliable form of transportation that have been used throughout Las Vegas for decades. With [several companies](#) to choose from, you never have to worry about there not being enough drivers at a late hour. Unlike other cities, you cannot hail a taxi on the street in Las Vegas. Taxis are required to pick up passengers at a physical address, such as a hotel taxi line. Hotels have specific areas for taxi pickup, usually near the valet or main entrance.

Las Vegas Monorail

The [Las Vegas Monorail](#) is an excellent choice for both vacationers and visitors attending meetings. It offers a convenient way to explore the Las Vegas Strip in less than 15 minutes, saving valuable time without the hassle of traffic. With speeds of up to 50 mph, riders can enjoy a quick and efficient transportation experience.

For added convenience, the Las Vegas Monorail provides [mobile tickets](#) and [various fare options](#) to cater to different travel needs. Whether you're looking for a one-way trip or an unlimited-ride pass, they have you covered. Simply download your mobile tickets to your phone's mobile wallet, and you're all set to ride.



POSNA MEMBERSHIP INFORMATION

The Pediatric Orthopaedic Society of North America (POSNA) is a not-for-profit professional organization of over 1,500 surgeons, physicians, and allied health members passionately dedicated to advancing musculoskeletal care for children and adolescents through education, research, and quality care.

MISSION

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

VISION

A world with optimal musculoskeletal health for all children.

FOLLOW US



POSNA.org



OrthoKids.org



JPOSNA.com



POSNAcademy.org



POSNA



POSNA



posna_ortho

MEMBER BENEFITS

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

With a culture that is committed to embracing diversity, inclusion, and equity for POSNA members, we offer unparalleled access for all to the following range of benefits:

EDUCATION

- Reduced Registration Fees:
POSNA Annual Meeting
IPOS® (International Pediatric Orthopaedic Symposium)
- Member publishing rates in the Journal of the Pediatric Society of North America (JPOSNA®)
- Reduced subscription rate to the Journal of Pediatric Orthopaedics
- POSNAcademy – Online Educational Portal:
Webinars, Podcasts, Tutorials
- POSNA Study Guide
- Traveling Fellowship Program
- The Resident Review Blog

RESEARCH

- Grant Support for Member Research
- Research Awards

SPECIALTY COMMITTEES

- Evidence Based Medicine
- Pediatric Orthopaedic Global Outreach (POGO)
- Patient Education
- Quality, Safety, Value Initiative (QSVI)
- POSNA Safe Surgery Program (PSSP)

Become a POSNA
Member and Advance
Your Pediatric
Orthopaedic Career!

Applications for the 2026
membership cycle open in
June 2025 at POSNA.org.



Future Annual Meetings

May 6-8, 2026

Orlando, FL

April 27-29, 2027

Indianapolis, IN

May 9-11, 2028

Montreal, Quebec

Future IPOS® Meetings

December 2-6, 2025

Orlando, FL

December 1-5, 2026

Orlando, FL

December 7-11, 2027

Orlando, FL



POSNA
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