



17TH INTERNATIONAL CONGRESS ON

Early Onset Scoliosis and the Growing Spine

The Charleston Place
HISTORIC DOWNTOWN

Charleston, South Carolina

JOINTLY PROVIDED BY:



November
8-10, 2023

PROGRAM DIRECTOR



▶ A. Noelle
Larson, MD

LOCAL HOST



▶ Robert F.
Murphy, MD

ABSTRACT DEADLINE
July 21, 2023

REGISTRATION DEADLINE
October 8, 2023

ENDORSED BY:



Program chair A. Noelle Larson, MD invites you to join us in Charleston, South Carolina for the 17th *International Congress on Early Onset Scoliosis and the Growing Spine (ICEOS)*, the world's leading conference addressing complex scoliosis in the growing child. Known for its highly interactive and collegial atmosphere, the meeting will attract approximately 150 surgeons and allied health professionals from around the world. The program will include outstanding free papers, expert lectures, panel discussions, and workshops.

HIGHLIGHTS INCLUDE:

- Informative sessions with ICEOS leaders sharing their own clinical cases, debating hot topics, and showing master techniques
- Engaging lectures on Complex EOS, Non-fusion Scoliosis, and Multidisciplinary Management of the Child with EOS
- Interactive round table case discussions on problem solving and complication management
- A Keynote lecture from Larry Lenke, MD on *The Transition from Pediatric Spine Surgery to Adulthood*
- More than 40 Free Papers of the most current and innovative abstracts in EOS and the growing spine
- Numerous breakout sessions on new technology
- An international faculty of the "who's who" in the pediatric spine surgery field



Local Host **Robert F. Murphy, MD** encourages you to explore and enjoy the historic city of Charleston during your stay.



Call for Abstracts

The 17th Annual ICEOS is designed to enable surgeons, scientists, and researchers to present original clinical research results related to current or emerging techniques and technologies in Early Onset Scoliosis and the growing spine.

The Program Committee invites authors to submit abstracts for presentation within any of these categories:

- EOS General
- Bracing/Casting
- Distraction Based/Growing Rod/MAGEC/VEPTR
- Guided Growth (SHILLA, tether)
- Complications
- Quality/Safety

DATES AND DEADLINES

| | |
|--|---------------------|
| Call for Abstracts Opens | May 10 |
| Call for Abstracts Closes | July 21 |
| Authors Notified of Results | August 31 |
| Presenter Registration Deadline | September 14 |

View full details in the submission portal. Only online submissions will be considered.



**Click here
to submit
abstracts**

Learn More About America's Lowcountry

ENJOY THIS YEAR'S Smith Family Lecture, *Pearls of the Lowcountry: Sustainable Oyster Farming* with Barrier Island Oyster Co. Learn about the complex ecosystems that define this coastal region and what locals are doing to restore its biodiversity through traditions old and new.



Between sessions, take some time to explore downtown Charleston, enjoying fine dining, walking tours, or even ghost stories by carriage ride. Visit the city's **online visitors guide** to plan your trip.

Our hotel's concierge would also be delighted to help you arrange off-site excursions:

concierge@charlestonplace.com

Faculty

Program Director



A. Noelle Larson, MD
Mayo Clinic
Rochester, MN | USA

Keynote Speaker

Larry Lenke, MD
NewYork-Presbyterian Och
Spine Hospital
New York, NY | USA

Invited Faculty

Behrooz Akbarnia, MD
San Diego Spine Foundation
San Diego, CA | USA

Jason Anari, MD
The Children's Hospital
of Philadelphia
Philadelphia, PA | USA

**Richard Anderson, MD,
FACS, FAAP**
Valley Hospital
Ridgewood, New Jersey | USA

Lindsay Andras, MD
Children's Hospital
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Los Angeles, CA | USA

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Fairfax, VA | USA

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Dallas, TX | USA

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The Children's Hospital
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Rene Castelein, MD, PhD
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Utrecht | Netherlands

Kenneth M.C. Cheung, MD
The University of Hong Kong
Hong Kong

Robert Cho, MD, FAOS, FAOA
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Pasadena, CA | USA

Ron El-Hawary, MD, MSc, FRCS(c)
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Aurora, CO | USA

Ryan Fitzgerald, MD
Johns Hopkins All Children's
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St. Petersburg, FL | USA

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Emory Orthopedics and
Spine Center
Atlanta, GA | USA

Lorena Floccari, MD
Akron Children's Hospital
Akron, OH | USA

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Philadelphia, PA | USA

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Rainbow Babies & Children's
Hospital Cleveland
Cleveland, OH | USA

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Boston, MA | USA

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Children's Hospital
Columbia, MO | USA

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Noriaki Kawakami, MD
Meijo Hospital
Nagoya | Japan

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University of Michigan
Ann Arbor, MI | USA

Scott Luhmann, MD
Washington University
St. Louis, MO | USA

**David Marks, MBBS, FRCS,
FRCS(Orth)**
Royal Orthopaedic Hospital
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Children's Hospital
Vancouver, BC | CA

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Atlanta, GA | USA

Colin Nnadi, MD
Oxford University Hospitals
Oxford, England | UK

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Children's National
Medical Center
Washington, DC | USA

Jean Ouellet, MD, FRCS
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Montreal, Quebec | Canada

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Philadelphia, PA | USA

Stefan Parent, MD
Hopital Ste-Justine
Montreal, QC | Canada

Grabala Pawel, MD
Medical University of Bialystok
Bialystok | Poland

Brandon Ramo, MD
Texas Scottish Rite Hospital
Dallas, TX | USA

Gregory Redding, MD
Seattle Children's Hospital
Seattle, WA | USA

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James Sanders, MD
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Chapel Hill, NC | USA

David Skaggs, MD
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Ottawa, ON | Canada

John Smith, MD
Primary Children's Hospital
University of Utah
Salt Lake City, UT | USA



Brian Snyder, MD, PhD
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Baltimore, MD | USA

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Portland, OR | USA

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Children's Hospital of Colorado
Aurora, CO | USA

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Seattle Children's Hospital
Seattle, WA | USA

Muharrem Yazici, MD
Hacettepe University
Ankara | Turkey

Terry Jianguo Zhang, MD
Peking Union Medical College
Hospital
Peking | China

Program

| WEDNESDAY, NOVEMBER 8, 2023 | |
|-------------------------------------|--|
| SESSION 1: ICEOS Opening Session | |
| <i>Session 1 Not CME-accredited</i> | |
| 4:40 PM | Case Presentations from ICEOS Leaders |
| | Non-CME Tech Updates |
| | Smith Family Lecture—Pearls of the Lowcountry: Sustainable Oyster Farming |
| 6:30 | Welcome Reception and Oyster Tasting (in exhibit area) with Barrier Island Oyster Co. |
| THURSDAY, NOVEMBER 9, 2023 | |
| 6:45 AM | Breakfast & Exhibit Viewing |
| SESSION 2: EOS—It's Complex | |
| 7:30 | Kyphectomy for Myelomeningocele Deformity |
| | Anterior Approaches for Severe Deformity |
| | Early Hemivertebra Excision |
| | Life after MCGR in the UK |
| | Detecting and Solving Problems when Lengthening MCGRs |
| | How to Avoid PJK |
| 8:47 | Scientific Papers—EOS Complex |
| 9:15 | Refreshment Break & Exhibit Viewing |

| SESSION 3: Scientific Papers | |
|------------------------------|---|
| 9:45 | Scientific Papers |
| 11:40 | Pick up Lunch in Exhibit Hall & Move to Workshops |
| 11:55 | Lunch with Non-CME Workshops |

Program continued on next page



Program *continued*

THURSDAY, NOVEMBER 9, 2023, *CONTINUED*

BREAKOUT SESSIONS:

| | |
|---------|---|
| 1:05 PM | Breakout 1: Non-Fusion Scoliosis |
| 1:05 PM | Breakout 2: Multidisciplinary Management of the Child with EOS |
| 2:40 | Refreshment Break & Exhibit Viewing |

SESSION 4: EOS Is a Team Sport

Part One | Leading the Charge

| | |
|------|--|
| 3:10 | How Do You Engage Your Clinical Team/OR Team? |
| | How Do You Propel Your Research Team—Center #1 |
| | How Do You Propel Your Research Team—Center #2 |
| | Study Group |
| | Scientific Papers |

Part Two | Roger That, We Have a Problem: Be Prepared for the Bad Event—Small Group Discussion Format

| | |
|------|-------------------------------------|
| 4:20 | Code/Loss of Airway/Fire/Evacuation |
| | Neuromonitoring Event |
| | Dural Tear |
| | Loss of Proximal Fixation |
| | Lawsuit |
| | Interpersonal Conflict |
| | Chest Tube Problem/Hemothorax/VBT |

5:15 **Adjourn**

FRIDAY, NOVEMBER 10, 2023

6:45 AM Breakfast & Exhibit Viewing

SESSION 5: Master Techniques—How I Do It from A to Z

Session 5 Not CME-accredited

| | |
|------|--|
| 7:25 | Spring Distraction System |
| | Growing Rods in a Marfan Patient |
| | Growing Rods in a SMA Non-ambulatory Patient |
| | Modern Luque Trolley |
| | Waterproof Mehta Casting and Available Casting Tables |
| | Halo Gravity Traction from A–Z |
| | Anterior Thoracoscopic Release |
| | Bringing New Surgeries to Your Practice/Hospital/Country |
| | Revision PJK Into the C-Spine |
| | Temporary Internal Distraction Rods for Severe Scoliosis |
| | Bracing for Scoliosis |
| | Non-CME Tech Updates |
| 9:23 | Refreshment Break & Exhibit Viewing |



Program *continued*

FRIDAY, NOVEMBER 10, 2023, *CONTINUED*

SESSION 6: Scientific Papers, Best Paper Award, PSF

9:53 AM Scientific Papers
Best Paper Award
Campbell Award
PSF Presidential Address
ICEOS 2024

Keynote: Peds Spine Surgery into Adulthood | Lawrence G. Lenke, MD

12:16 PM Pick up Lunch in Exhibit Hall & Move to Workshops

12:25 Lunch with Non-CME Workshops

BREAKOUT PANEL DISCUSSIONS:

1:20 **Breakout 3:** C-Spine Cases
1:20 **Breakout 4:** Myelo Scoliosis, Kyphus, Problems with the Insensate Child
1:20 **Breakout 5:** JIS

SESSION 7: Debates

2:10 **Debate One:** Crankshafting
With High-density Pedicle Screws, Crankshafting No Longer Exists
Crankshafting is Still a Big Problem

Debate Two: Rib-Based Instrumentation

Rib-Based Instrumentation is Bad for Lungs
Rib-Based Instrumentation is Great and Doesn't Hurt Pulmonary Function

Debate Three: When to Get an MRI

MRI on Diagnosis
Wait until Symptomatic/Avoid the Anesthesia

Debate Four: Treating Tweeners

Tweener—Brace and then Fuse
Tweener—MCGR
Tweener—VBT

3:30 Adjourn



General Information

Course Objectives

As a result of this activity, Participants should be better able to:

- Describe the indications and rationale for the surgical management of various pediatric spinal deformity and related disorders, including the role of early surgery to treat growing spine deformities.
- Discuss the latest surgical techniques used to manage various pediatric spinal deformities in the growing child, including master's tips and tricks for EOS care.
- Discuss approaches to preventing and managing complications in early onset scoliosis.

Who Should Attend

This course is designed for orthopaedic and neurological surgeons, fellows, and residents who include pediatric spinal deformity surgery in their practices. Nurses, nurse practitioners, physician assistants, and physicians providing non-operative care of spinal deformities may also benefit from the course.



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Medical Education Resources (MER) and BroadWater. MER 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.

Physician Credit

Medical Education Resources designates this live activity for a maximum of 11.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Joint Providership

This program is jointly provided by Pediatric Spine Foundation, Medical Education Resources, Inc. and BroadWater, LLC.

Commercial Support

Various medical companies have been invited to exhibit at this course. Full disclosure of financial and other support will be disclosed in the course syllabus materials.

Disclosure of Conflicts of Interest

Medical Education Resources insures balance, independence, objectivity, and scientific rigor in all our educational activities. In accordance with this policy, MER identifies conflicts of interest with its instructors, content managers, and other individuals who are in a position to control the content of an activity. Conflicts are resolved by MER to ensure that all scientific research referred to, reported, or used in a CME activity conforms to the generally accepted standards of experimental design, data collection, and analysis. MER is committed to providing its learners with high-quality CME activities that promote improvements or quality in health care and not the business interest of a commercial interest.



Registration



Fast, Easy & Secure Registration Online

[Click Here to Register](#)



Meeting Registration Fees

Meeting registration includes all program sessions, course materials, and meals listed in the program.

| | |
|--------------------------------|--------|
| Surgeon | \$975 |
| PA/APN/Allied Health | \$750 |
| Fellows/Residents/Coordinators | \$675 |
| Abstract Presenter Discount | -\$100 |

**prices in USD*

Late Registration Fee: Additional \$150 fee applies for registrations received after October 8 and on-site.

Registration Procedure

Register early as the space may fill rapidly. Individuals who register after the course is full will be placed on a wait list and contacted if space becomes available.

Registration Policies

- Cancellations received in writing on or before October 8 will receive a full refund less a \$100 administrative fee. Cancellations received after October 8 will not be refunded. Contact Alison Matta at amatta@broad-water.com to cancel.
- Corporate/industry representative registration must go through an exhibiting company. For details, contact Karen Johnston at (901) 444-1994 or kjohnston@broad-water.com.

MEETING CANCELLATION POLICY

In the unlikely event of insufficient enrollment, we reserve the right to cancel the course up to October 18. Registrants will be notified by email and registration fees will be refunded. Airline and other costs incurred by the registrant are the responsibility of the registrant and will not be refunded.

ATTENDANCE

The course chairs reserve the right to refuse admission to anyone whose presence is considered to be incompatible with the course objectives.

LANGUAGE

The program will be presented in English.

Images used with permission.

Location & Accommodations

For Additional
Information Please
Contact

BroadWater
Alison Matta
Coordinator, Medical Meetings
1-630-681-1040 x300
amatta@broad-water.com

Meeting Location & Hotel

The Charleston Place Historic Downtown

205 Meeting Street | Charleston, SC 29401

www.CharlestonPlace.com | [Instagram](#)

About the Hotel

An independent, iconic landmark in the heart of Charleston's historic district, The Charleston Place offers elegant accommodations and premier service presented with classic southern hospitality. Just steps from some of the city's best independent shops, the City Market, museums, and historic sites, our ICEOS accommodations will allow you to experience our host city from your doorstep.

Room Rate: \$339.00*

*Plus local taxes

Deadline: It is recommended that participants book their hotel rooms as soon as possible, as space will fill rapidly. Reservations at the group rate may not be available after **October 8, 2023** or if the room block is full.

Reservations Procedure

Call: 1-800-611-5545

Email:
reservations@charlestonplace.com

Be sure to mention **ICEOS 2023** to book at the group rate by phone or email.

Deposit & Cancellation: A first night's deposit must be guaranteed via a major credit card, which will be forfeited if the reservation is cancelled less than 5 days prior to arrival. A failure to cancel the reservation prior to day of arrival will result in a cancellation fee for the full length of stay. Departure dates are reconfirmed at check in. An early departure fee of one night will be assessed unless Hotel is provided 24-hour advance notice of an earlier departure.



[Book Here](#)