

Course Chairmen: Harry L. Shufflebarger, MD | Randal R. Betz, MD | Peter O. Newton, MD

*11th Pediatric
Spinal Deformity:
On the Cutting Edge*

**A COMPREHENSIVE PEDIATRIC
SPINE COURSE WITH CME CREDIT**

**MARCH 15-16, 2024
HOTEL COLONNADE
CORAL GABLES, FL**



ENDORSED BY POSNA:



IN COLLABORATION WITH SRS:



JOINTLY PROVIDED BY:



We are excited to mark the 20th year anniversary and the 11th course, which features the latest developments in the treatment of adolescent idiopathic scoliosis, early onset scoliosis, neuromuscular deformity, spondylolisthesis, and more.

This two-day CME program will provide new insights that you can apply to your practice as we discuss complicated cases, review the latest research and instrumentation, and debate new techniques and approaches.

We hope you can join us!

Harry L. Shufflebarger, MD
Randal R. Betz, MD
Peter O. Newton, MD

Course Objectives

Following this activity, the participants should be able to:

- 1 Discuss the various surgical techniques and common challenges in the management of AIS, including growth modulation, non-fusion procedures, spondylolisthesis, and fusion.
- 2 Demonstrate comprehensive understanding of the decision-making processes and the surgical intervention options for early onset deformity, congenital deformity, & neuromuscular deformity.
- 3 Discuss optimal responses to neuromonitoring alerts and non-neurologic complications in deformity surgery.

Who Should Attend?

This course is for orthopedic and neurological surgeons, fellows, and residents who include spine surgery in their practices.

Joint Providership

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



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 10.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Distinguished Faculty

CHAIRMEN:

Harry Shufflebarger, MD
Paley Orthopedic & Spine
Institute
West Palm Beach, FL

Randal R. Betz, MD
Institute for Spine and Scoliosis
Lawrenceville, NJ

Peter O. Newton, MD
Rady Children's Hospital
San Diego, CA

FACULTY:

Ahmet Alanay, MD
Comprehensive Spine Center
Istanbul, Turkey

David Feldman, MD
Paley Orthopedic &
Spine Institute
West Palm Beach, FL

Daniel Hedequist, MD
Boston Children's Hospital
Boston, MA

Noelle Larson, MD
Mayo Clinic
Rochester, MN

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

Michelle Marks, PT, MA
Setting Scoliosis Straight
Foundation
San Diego, CA

Firoz Miyanji, MD
Children's & Women's
Health Centre of British Columbia
Vancouver, BC

Amer Samdani, MD
Shriners Hospital for Children
Philadelphia, PA

Suken Shah, MD
Alfred I. duPONT Hospital
for Children
Wilmington, DE

David Skaggs, MD
Cedars Sinai
Los Angeles, CA

Paul Sponseller, MD
John Hopkins Medical Institute
Baltimore, MD

Dan Sucato, MD
Texas Scottish Rite Hospital for
Children
Dallas, TX

Per Trobisch, MD
Eifelklinik St. Brigida
Simmerath, Germany

Faculty subject to change



Courtesy of A. Samdani, MD

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.

PROGRAM: Friday, March 15, 2024

7:00 Breakfast and Registration
7:45 Welcome and Announcements **Shufflebarger**

Session 1: Non-fusion Moderator: Newton

8:00 VBT in AIS with >2 year follow-up: literature review and meta-analysis **Shah**

8:10 Decision making regarding non-fusion techniques **Mijanji**

8:20 Contra-indications to VBT and posterior dynamic stabilization **Larson**

8:30 Discussion

8:40 Technical steps in lumbar VBT with diaphragmatic management **Samdani**

8:50 Apical anterior fusion and VBT (Virtual) **Trobisch**

9:00 Posterior thoracic fusion, anterior lumbar non-fusion: Hybrid VBT (Virtual) **Alanay**

9:10 Discussion

9:20 Effect of VBT on sagittal alignment **Newton**

9:30 Motion after VBT: fact or fiction **Marks**

9:40 Expanded alternative indications for VBT **Betz**

9:50 Discussion

10:00 Refreshment Break

Session 2: Non-fusion Moderator: Betz

10:30 Technical tips in VBT **Mijanji**

10:40 Revision strategies in construct failure and overcorrection in VBT **Samdani**

10:50 Modalities in VBT to insure desired screw position **Larson**

11:00 Other complications of VBT: prevention and management **Betz**

11:10 Discussion

11:20 Panel discussion: Non-fusion strategies **Moderator: Newton**
Panelists: Betz, Larson, Mijanji, Samdani, Skaggs

12:00 Non-CME Breakouts with Boxed Lunches

Session 3: Cervical Spine Moderator: Mijanji

1:00 Management of complex cranio-cervical instability: due to congenital/trauma **Samdani**

1:10 Challenges of managing PJK with posterior growing devices **Mijanji**

1:20 Approach to c-spine deformity in skeletal dysplasia **Feldman**

1:30 Management of congenital cervico-thoracic scoliosis **Sponseler**

1:40 Discussion

Session 4: Spinal Intra-Operative Neuromonitoring Moderator: Betz

1:50 Identifying the cord at risk **Shufflebarger**

2:00 IONM changes in the "stable" spine: what now **Sucato**

2:10 IONM changes in the "unstable" spine: what now **Lenke**

2:20 Discussion

2:30 Panel discussion: IONM events **Moderator: Shah**
Panelists: Betz, Lenke, Samdani, Shufflebarger, Sucato

3:00 Refreshment Break

SATURDAY, MARCH 16, 2024

Session 5: Syndromic and Neuromuscular EOS Moderator: Sponseller

- 3:30 How to get the patient to age 8 without surgery **Sponseller**
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- 3:40 Are growing rods a non-fusion strategy? **Skaggs**
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- 3:50 Logical approach to the spine in achroplasia **Feldman**
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- 4:00 Management of the neurofibromatosis spine in 2024 **Shah**
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- 4:10 Discussion

Session 6: AIS Fusion Moderator: Shufflebarger

- 4:20 How to insure acceptable screw position intra-operatively **Skaggs**
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- 4:30 Debate: Ponte osteotomies are largely obsolete
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- 4:30 Pro **Sucato**
- 4:38 Con **Newton**
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- 4:46 Summary **Shufflebarger**
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- 4:50 Discussion and adjourn
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- 5:00 Cocktail Reception

Session 7: Breakout 1

- 8:00 Room 1: Intra-operative neuromonitoring events **Moderator: Sucato**
Panelists: Betz, Feldman, Larson, Sponseller
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- Room 2: Type of surgery and level selection **Moderator: Miyanji**
Panelists: Newton, Samdani, Shah, Shufflebarger, Skaggs
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- 8:50 Walking Break
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- 9:00 Non-CME Breakouts
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- 10:15 Walking Break

Session 8: Breakout 2

- 10:30 Room 1: Intra-operative neuromonitoring events **Moderator: Samdani**
Panelists: Lenke, Shah, Skaggs, Miyanji
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- Room 2: Type of surgery and level selection **Moderator: Newton**
Panelists: Betz, Feldman, Larson, Sponseller, Sucato
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- 11:10 Walking Break

Session 9: How I do it...video Illustrations

Moderator: Shah

11:20	Create kyphosis in AIS	Newton
11:25	I use the bone scalpel	Samdani
11:30	I can't place screw in UIV	Skaggs
11:35	I can't place screw in LIV	Sponseller
11:40	I can't place multiple screws in the concave apical zone	Lenke
11:45	Discussion	
12:00	Walking Break	
12:10	Non-CME Breakouts with Boxed Lunches	

Session 10: Navigation and Robotics

Moderator: Sucato

1:10	Nav requiring intra-op CT scan, incl pitfalls	Larson
1:20	Nav without intra-op CT scan, incl pitfalls Nav with augmented reality	Shufflebarger
1:30	Robotics in pediatric deformity	Hedequist
1:40	Discussion	
2:00	Cases submitted by registrants	
		Panelists: Shah, Miyanji, Samdani
2:45	Adjourn	



General Information

Fast, Easy & Secure Registration Online at <https://broadwater.regfox.com/cuttingedge24>

Registration Fees:

Surgeons	\$945
International Surgeon	\$795
Residents, Fellows, ARNPs, OAs, RNs	\$725
Corporate	\$1200

Registration includes two breakfasts, refreshments, one lunch, course reception, scientific sessions, and course materials.

Late Registration Fee: \$150 (after February 8)

Registration Procedure:

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

Refund Policy:

A full refund will be provided dependent upon written notice being received by February 8, 2024. Refunds will not be made after this date. Substitutions are allowed at any time but must be submitted in writing.

Cancellation Policy:

In the unlikely event of insufficient enrollment, we reserve the right to cancel the course up to 21 days prior to the course. Registrants will be notified by certified mail 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 chairmen 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.

For additional information please contact:

BroadWater, LLC

Tel: (630) 681-1040

E-mail: rgiven@broad-water.com

Hotel Accommodations



The program, related activities, and accommodations will be held at:

Hotel Colonnade
180 Aragon Ave,
Coral Gables FL 33134
www.hotelcolonnade.com

Room Rate: \$329.00- single or double adult occupancy



**Reservations Procedure
Book by February 21, 2024**

Click here to book your reservation

Reservation Deadline:

It is strongly 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 **February 21** or if the group block sells out.

Deposits:

All rooms require the deposit of the first night's stay and tax upon booking. Rooms are subject to a 72 hour cancellation policy. Failure to show or cancellation within three (3) days of check-in will be assessed the deposit.