Pediatric Spinal Deformity
On the Cutting Edge V

April 10–11, 2015 | The Westin Colonnade | Coral Gables, Florida

A comprehensive pediatric spine course with CME credit

Course Chairman:
Harry L. Shufflebarger, MD

Course Directors:
Randal Betz, MD
Peter Newton, MD

Sponsored by:

Endorsed by:
Dear Colleague:

We are so pleased to invite you to Pediatric Spinal Deformity: On the Cutting Edge V. Featuring an internationally recognized faculty of spine surgeons, this CME-accredited course highlights the latest developments in the treatment of adolescent idiopathic scoliosis, early onset scoliosis, congenital deformity, and more. We’ll review the latest research and instrumentation, discuss our most complicated cases, and debate new techniques and approaches.

You are certain to complete this two-day program with fresh insights that you can apply to your practice. And we hope that you find your time in Miami to be personally rewarding as well.

We look forward to seeing you in April!

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

Course Objectives
Following this activity, the participants should be able to:

1. **Describe** AIS 3D evaluation systems and their relevance to clinical practice, and discuss the various surgical techniques currently used in the management of AIS.

2. **Discuss** classification, decision making, and surgical treatment for spondylolisthesis and kyphosis.

3. **Demonstrate** comprehensive understanding of the decision making processes and the surgical intervention options for neuromuscular deformity, congenital deformity, and early onset scoliosis.

4. **Analyze** methods to minimize & manage surgical complications in pediatric spinal deformity.

Who Should Attend
This course is for orthopaedic and neurological surgeons, fellows, and residents who include spine surgery in their practices.

Accreditation Statement
The Miami Children’s Hospital is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement
The Miami Children’s Hospital designates this educational activity for a maximum of 11.25 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
## Distinguished Faculty

**CHAIRMAN:**

Harry L. Shufflebarger, MD  
Miami Children’s Hospital  
MIAMI, FL | USA

**COURSE DIRECTORS:**

Randal R. Betz, MD  
Institute for Spine and Scoliosis  
LAWRENCEVILLE, NJ | USA

Peter O. Newton, MD  
Rady Children’s Hospital  
SAN DIEGO, CA | USA

**FACULTY:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>City</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Behrooz A. Akbarnia, MD</td>
<td>San Diego Center for Spinal Disorders</td>
<td>SAN DIEGO, CA</td>
<td>USA</td>
</tr>
<tr>
<td>John B. Emans, MD</td>
<td>Children’s Orthopaedic Surgery Foundation</td>
<td>BOSTON, MA</td>
<td>USA</td>
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<tr>
<td>Hubert Labelle, MD</td>
<td>University of Montreal</td>
<td>MONTREAL</td>
<td>CANADA</td>
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<tr>
<td>Lawrence G. Lenke, MD</td>
<td>Washington University Medical School</td>
<td>ST. LOUIS, MO</td>
<td>USA</td>
</tr>
<tr>
<td>Amer Samdani, MD</td>
<td>Shriners Hospital for Children</td>
<td>PHILADELPHIA, PA</td>
<td>USA</td>
</tr>
<tr>
<td>Suken A. Shah, MD</td>
<td>Alfred I. duPont Hospital for Children</td>
<td>WILMINGTON, DE</td>
<td>USA</td>
</tr>
<tr>
<td>David L. Skaggs, MD</td>
<td>Children’s Hospital of Los Angeles</td>
<td>LOS ANGELES, CA</td>
<td>USA</td>
</tr>
<tr>
<td>Paul Sponseller, MD</td>
<td>Johns Hopkins Medical Institutions</td>
<td>BALTIMORE, MD</td>
<td>USA</td>
</tr>
<tr>
<td>Daniel Sucato, MD</td>
<td>Texas Scottish Rite Hospital for Children</td>
<td>DALLAS, TX</td>
<td>USA</td>
</tr>
<tr>
<td>Terry Zhang, MD</td>
<td>Peking Union Medical College Hospital</td>
<td>BEIJING</td>
<td>CHINA</td>
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**Faculty Subject to Change**

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**Faculty/Planner Disclosure Policy**

In accordance with the Accreditation Council for Continuing Medical Education’s Standards for Commercial Support, all planners, teachers, and authors involved in the development of CME content are required to disclose to the accredited provider their relevant financial relationships. Relevant financial relationships will be disclosed to the activity audience.

*Faculty Subject to Change*
Friday, April 10, 2015

AM  7:20  Registration and Continental Breakfast
  7:50  Welcome & Announcements  H. SHUFFLEBARGER, MD

SESSION I  MODERATOR: J. EMANS, MD

AIS
8:00  3D Evaluation of AIS Before Surgery: Planning Aids  H. LABELLE, MD
8:10  3D Evaluation of AIS After Surgery: Lessons Learned  P. NEWTON, MD
8:20  Discussion
8:30  Prognostication of Progression Risk in Juvenile and Adolescent Idiopathic Scoliosis  S. SHAH, MD
8:40  Fusionless Surgery in Juvenile & Adolescent Idiopathic Deformity  R. BETZ, MD
8:50  Discussion
My Most Challenging Case and What I Learned:
9:00  Juvenile Idiopathic Deformity  T. ZHANG, MD
9:07  Adolescent Idiopathic Deformity  D. SUCATO, MD
9:15  Discussion
Debate: The Ponte Osteotomy...
9:20  ...is Overrated in AIS Surgery  D. SKAGGS, MD
9:27  ...Should Be Routine Practice in AIS Surgery  H. SHUFFLEBARGER, MD
9:34  Refreshment Break

SESSION II  MODERATOR: R. BETZ, MD

Spondylolisthesis
10:00  Classification and Decision Making for Surgery  H. LABELLE, MD

SESSION III  MODERATOR: S. SHAH, MD

Early Onset Scoliosis
1:30  Salvage of Catastrophic Failure of Growing System  D. SKAGGS, MD
1:40  Fate of Growing Rod Graduates  J. EMANS, MD
1:50  Magnetic Growing Systems  B. AKBARNIA, MD
2:00  Discussion
Debate: Timing of Surgical Intervention
2:10  Growth Modulation at Early Stage is Best  P. SPONSELLER, MD
2:17  Definitive Fusion at Later Stage is Best  P. NEWTON, MD
2:24  Discussion

Program
**Complex Adolescent Deformity**  
Faculty: Drs. LaBelle, Sucato, & Zhang

**Early (0–5) and Mid (5–10) Onset Spinal Deformity**  
Faculty: Drs. Emans, Samdani, & Skaggs

**Correction Strategies and Techniques in NM Deformity**  
Faculty: Drs. Betz, Shah, & Sponseller

**10:00 Refreshment Break**

**SESSION V**  
**MODERATOR: A. SAMDANI, MD**

**AIS and Miscellaneous**

10:30 Derotation Techniques in Thoracic AIS  
S. SHAH, MD

10:40 Derotation Techniques in Lumbar AIS  
H. SHUFFLEBARGER, MD

10:50 Discussion

11:00 VCR Technique  
L. LENKE, MD

11:10 Spondylolysis Repair Technique  
A. SAMDANI, MD

11:20 Discussion

11:30 Debate: Lenke 1C Curves in AIS

11:37 Selective Fusion is Treatment of Choice  
L. LENKE, MD

11:45 Discussion

11:55 Variations and Modifications to Growing Rod Constructs  
D. SKAGGS, MD

**12:05 Building and Utilization of a Spinal Surgery Database To Improve Surgeon Function**  
P. NEWTON, MD

**12:20 Discussion**

**12:30 Adjourn**

Program subject to change

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**AM**  
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7:45 Welcome & Announcements

8:00 Breakout Sessions—First Rotation (8:00 AM), Second Rotation (9:05 AM)  
Participants will pre-select 2 breakout choices at registration

**Fusion Level Selection in AIS**  
Faculty: Drs. Lenke, Newton, & Shufflebarger

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**PM**  
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General Information

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

Late Registration Fee: $50 (after March 20)

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 March 20, 2015. 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. 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 chairman reserves 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 or to request a mail-in registration form please contact:
BroadWater, LLC
301 S. County Farm Rd.
Suite L
Wheaton, IL 60187 USA
Tel: (630) 681-1040
Fax: (630) 682-5811
E-mail: klaney@broad-water.com

Sponsorship
This activity is sponsored by Miami Children’s Hospital. The mission of Miami Children’s Hospital’s Continuing Medical Education program is to provide superlative, evidence-based, high quality continuing medical education that helps fill gaps in knowledge, skills, or performance of the physicians it serves, that presents the latest scientific knowledge available to MCH and to support the educational mission of the institution.

Support
This course is organized by BroadWater, LLC., a medical education company offering meeting planning and consulting services. For more information about BroadWater, visit www.broad-water.com or call (630) 681-1040.

Commercial Support
Various medical companies will be invited to provide restricted and unrestricted grants in support of this CME activity. Full disclosure of any grants provided will be made in the course syllabus materials.

Registration Fees

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Fast, Easy & Secure Registration Online at RegOnline.com/CuttingEdgeV

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Housing

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

The Westin Colonnade
180 Aragon Avenue
Coral Gables, FL 33134

The Westin features oversized guest rooms, complimentary high-speed internet access, outdoor pool, Jacuzzi, and fitness center.

Room Rate
$249.00—single or double adult occupancy

Reservations Procedure—Book by March 11, 2015
To make your hotel reservation, please call the Westin at (305) 441-2600 and ask to book a room for the “BroadWater” group.

Online reservations are also available via https://www.starwoodmeeting.com/Book/broadwater.

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 March 11, 2015.

Reservations Policies
A credit card number or 1 night’s advance deposit is required to guarantee each hotel reservation. Reservations can be cancelled without penalty until 24 hours prior to the scheduled arrival. Reservations cancelled within 24 hours will incur a penalty equal to 1 night’s room and tax.

Travel
For assistance with travel to and from Miami, you are invited to contact Gant Travel at (800) 742-4198 or (630) 227-3800.