



Global Spine Outreach

Program Chairmen:

Greg Mundis, Jr., MD

International Co-Chair

San Diego Center for Spinal Disorders
San Diego, California, USA

Anthony Rinella, MD

International Co-Chair

Illinois Spine and Scoliosis Center
Homer Glen, Illinois, USA

Mauricio Montalvo, MD

Local Co-Chair

Hospital Ángeles Lomas
Huixquilucan, Estado de México, México

Enrique Rosales, MD

Local Co-Chair

Hospital Angeles Acoxa
México City, México

**Global Spine Outreach Presents its 3rd Annual
Spinal Deformity Symposium**

Club de Industriales, México City

October 22, 2016



Keynote Speakers:

Behrooz Akbarnia, MD

Lawrence Lenke, MD

A Letter from the GSO President

We would like to welcome you to our 3rd Annual Global Spine Outreach (GSO) Spinal Deformity Symposium!

As we all know, the uncertainties and concerns that surround the treatment of spinal deformity are life-changing. Degenerative spinal ailments are an inconvenience to say the least, but they are not, for the most part, life or limb threatening. They do not cause parents to fear for their children's lives, or have concerns of paralysis. There are no other health problems similar to spinal deformity that have the potential to crush the life force that propels our patients.



Anthony Rinella, MD

Global Spine Outreach (GSO) is a nonprofit organization that transforms the lives of children with severe spinal deformities worldwide by performing state-of-the-art surgeries free of charge. We collaborate with local medical communities to build self-sustaining spine surgery centers of excellence. We enable surgeons to continually refine and sharpen their spine surgery skills through training and education provided by leading spine surgeons. Together we build viable treatment models so that no child dies or becomes paralyzed from a treatable spinal condition such as scoliosis.

Over time we developed the most comprehensive approach to spinal outreach in the world emphasizing patient safety. In addition to regular week-long medical missions in Colombia, Poland, and Mexico, we organize yearly medical symposia attended by local students and surgeons. Today we hope you enjoy the program.

One of our biggest challenges in Mexico is finding dedicated partners of all ages to help our model grow. There is a great need for increased numbers of complex spine surgeons to handle the current patient needs. To this end, we developed our first Mexican program in Chihuahua two years ago directed by Dr. Enrique Rosales. Through collaboration between Christus Muguerza Hospitals, Fundación Xiomara, San Diego Spine Foundation, and Global Spine Outreach, we performed 15 surgeries on our very first trip. After (3) week-long missions, the program remains a tremendous success. Next spring, we will launch a separate program in Monterrey with direct support from Dr. Enrique Mendez. In an effort to maximize care to Mexican children, we founded a separate nonprofit in Mexico – GSO México – to support our programs. We encourage you to bring your most challenging cases to our programs so we can work together while gaining hands-on training with the GSO team.

Thank you again for all of your support of Global Spine Outreach. Please help us spread our mission so we can help even more children with disabling spinal conditions. For more information, please visit: www.GlobalSpineOutreach.org.

Sincerely,

Tony Rinella, MD

GSO, Co-Founder and President

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México City, México



Invited Faculty:

Behrooz Akbarnia, MD

San Diego Center for Spinal Disorders
San Diego, California, USA

Lawrence Lenke, MD

The Spine Hospital
New York, New York, USA

Ra’Kerry Rahman, MD

Orthopedic Group Springfield Clinic
Springfield, Illinois, USA

Krzysztof Siemionow, MD

Illinois Spine and Scoliosis Center
Homer Glen, Illinois, USA

Selvon St. Clair, MD

Orthopaedic Institute of Ohio
Lima, Ohio, USA



Mission

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Who We Are

Global Spine Outreach is a leader in international spinal deformity outreach work transforming the lives of children around the world. Our teams are comprised of a network of spinal surgeons and allied health professionals giving our patients access to the surgical care they critically need and providing a pathway toward a normal life. Our volunteers include the top spinal deformity surgeons and world-renowned educators in the field today. Each GSO surgeon is board-certified and fellowship-trained in spine surgery and collectively our GSO surgeons have participated in hundreds of peer-reviewed publications with numerous awards for excellence in spine surgery and philanthropy.

Vision

For every child with a severe spinal deformity to have access to life-transforming surgical care.

Core Values

Compassion. We treat each patient as we would our own child.

Advocacy. We empower and advocate for the communities we serve through the transfer of knowledge and skill.

Respect. We show respect for the culture and customs of the children and families we serve.

Excellence. We model professional excellence, integrity, and quality of care.

Program

- 7:00 am **Breakfast**
- 7:50 am **Introduction and Welcome**
E. Rosales
- 7:55 am **Introduction to Global Spine Outreach**
A. Rinella

Session 1: Early Onset and Adolescent Idiopathic Scoliosis

- 8:00 am **Pediatric Deformity – Evaluation and Non-operative Management**
G. Mundis
- 8:15 am **Surgical Strategies and Techniques for Treating Early Onset Scoliosis**
B. Akbarnia
- 8:35 am **Classification of Adolescent Idiopathic Scoliosis**
L. Lenke
- 8:55 am **Perioperative Halo-Gravity Traction for Severe Scoliosis**
M. Montalvo
- 9:05 am **Treatment Considerations in the Management of Congenital Scoliosis**
K. Siemionow
- 9:20 am **Q & A**

Pediatric Spinal Deformity – Case Presentations

Moderator: E. Rosales, MD
Panel: Drs. Mundis, Akbarnia, Lenke, Montalvo, Rahman

- 9:35 am **Case 1: Typical Pediatric Deformity**
Mendez
- 9:45 am **Case 2: Complex Pediatric Deformity**
Rosales
- 9:55 am **Discussion**
- 10:10 am **Refreshment Break**

Session 2: Adult Spinal Deformity

- 10:30 am **Sagittal Plane Parameters: What is Normal?**
A. Rinella
- 10:45 am **Choosing Fusion Levels in Adult Scoliosis**
G. Mundis
- 11:00 am **Applications of Lateral Approach**
K. Siemionow
- 11:10 am **Osteotomies to Restore Sagittal Balance**
R. Rahman
- 11:40 am **Discussion**

Adult Spinal Deformity – Case Presentations

Moderator: M. Montalvo, MD
Panel: Drs. Rinella, Siemionow, Akbarnia, Lenke, St. Clair

- 12:00 pm **Case 1: Typical Adult Deformity**
Montalvo
- 12:10 pm **Case 2: Complex Adult Deformity**
Vargas
- 12:15 pm **Discussion**

Session 3: Hands-On Surgical Training in México and Abroad

- 12:35 pm **Acknowledge Corporate Sponsors**
- 12:50 pm **Global Spine Outreach – 15 year Celebration Video**
A. Rinella
- 1:05 pm **Global Spine Outreach in México**
G. Mundis
- 1:20 pm **Lunch**

Session 4: Safety in Spine Surgery

- 2:20 pm **Preoperative Considerations in Deformity Surgery**
S. St. Clair
- 2:35 pm **Neuromonitoring: Algorithm for Monitoring Changes**
L. Lenke
- 2:55 pm **Discussion**

Session 5: Surgical Techniques

- 3:10 pm **Free-Hand Pedicle Screw Technique: Approaches to Small Pedicles**
A. Rinella
- 3:25 pm **Techniques for Lateral Interbody Fusions**
G. Mundis / B. Akbarnia
- 3:45 pm **Vertebral Column Resection**
L. Lenke
- 4:05 pm **Discussion**
- 4:30 pm **Adjourn**

The program will be presented in English and Spanish.
Translation will be provided.
Program details are subject to change.

GSO would like to sincerely thank our sponsors. Without their support, this course would not be possible. It is because of their generosity and commitment to spine care that we are able to promote these educational efforts and help more patients worldwide.

