



Spine Deformity Solutions: A Hands-On Course

From the American Association of Neurological Surgeons (AANS) & the Scoliosis Research Society (SRS)

February 4-6, 2016 • Las Vegas, NV

Oquendo Center

Final Program

Thursday, February 4, 2016

(Trinidad 5 – Tropicana Conference Center)

Registration and reception at 7:30pm with Fireside Chats to follow.

Friday, February 5 and Saturday, February 6, 2016

Oquendo Center

2425 East Oquendo Road, Las Vegas, NV 89120

*Shuttles to depart from the Tropicana at 6:45am

Program Times

Thursday, 7:30-9:00pm

Friday, 7:25am-5:15pm

Saturday, 7:25am-12:00pm

Course Chairs

Christopher P. Ames, MD

University of California San Francisco, San Francisco, CA

Munish C. Gupta, MD

BJC Institute of Health at Washington University School of Medicine, St. Louis, MO

Faculty

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Boston Medical Center, Boston, MA

Juan S. Uribe, MD
USF Physician's Group Tampa General Hospital, Tampa, FL

Lukas P. Zebala, MD
Washington University School of Medicine, St. Louis, MO

Meeting Description

The Hands-On Course will provide an opportunity for participants to expand their knowledge and improve their skills through training and discussions with leading spinal deformity surgeons from throughout North America. Registration will be limited to ensure access to faculty, small group interaction for better learning, and opportunities for hands-on work. Ten hours of the course will be devoted to lab work. Topics and lab sessions will cover all areas of the spine and a variety of conditions and techniques.

Learning Objectives

As a result of participating in this activity, participants should be able to:

- Identify appropriate options for cervical and adult deformity reconstruction
- Employ techniques to avoid complications in spinal deformity surgery
- Develop skills in complex cervical deformity correction
- Identify the appropriate indications for the use of spinopelvic instrumentation

- Demonstration skills for the correct placement of spinopelvic instrumentation
- Compare and contrast open and less invasive treatment options for thoracolumbar spinal deformity
- Integrate techniques for posterior and anterior lumbo-sacral deformity corrections
- Demonstrate knowledge and skills for performing basic and complex spinal osteotomies

Credit Designation

SRS designates this live activity for a maximum of *13.75 AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Target Audience

Spine surgeons (orthopaedic and neurological surgeons), residents and fellows.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the sponsorship of the Scoliosis Research Society (SRS). SRS is accredited by the ACCME to provide continuing medical education for physicians.

Disclosure of Conflict of Interest

It is the policy of SRS to insure balance, independence, objectivity and scientific rigor in all of their educational activities. In accordance with this policy, SRS identifies conflicts of interest with instructors, content managers and other individuals who are in a position to control the content of an activity. Conflicts are resolved by SRS 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.

FDA Statement (United States)

Some drugs and medical devices demonstrated during this course have limited FDA labeling and marketing clearance. It is the responsibility of the physician to be aware of drug or device FDA labeling and marketing status.

Insurance/Liabilities and Disclaimer

SRS will not be held liable for personal injuries or for loss or damage to property incurred by participants.

Course participants are encouraged to take out insurance to cover loss incurred in the event of cancellation, medical expenses or damage to or loss of personal effects when traveling outside of their own countries.

SRS cannot be held liable for any hindrance or disruption of course proceedings arising from natural, political, social or economic events or other unforeseen incidents beyond its control. Registration of a participant or guest implies acceptance of this condition.

The materials presented at this activity are made available for educational purposes only. The material is not intended to represent the only, nor necessarily best, methods or procedures

appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty that may be helpful to others who face similar situations.

SRS disclaims any and all liability for injury or other damages resulting to any individual attending a scientific meeting and for all claims that may arise out of the use of techniques demonstrated therein by such individuals, whether these claims shall be asserted by a physician or any other person.

Language

Presentations and course materials will be provided in English.

No Smoking Policy

The Oquendo Center is a smoke free facilities. Smoking is not allowed in the building at any time.

Attire

Casual attire and scrubs are appropriate for the course. Scrubs will be provided at the lab.

FINAL PROGRAM

Thursday, February 4, 2016

- | | |
|--------|---|
| 7:30pm | Registration and Welcome Reception
<i>C. Ames and M. Gupta</i> |
| 8:00pm | Fireside Chats
Room 1: Adult Spinal Deformity Reconstruction Cases
M. Gupta, T. Tannoury
Room 2: Cervical Deformity Reconstruction Cases
C. Ames
Room 3: Pediatric Spinal Deformity Cases
A Samdani |
| 9:00pm | Adjourn |

Friday, February 5, 2016

- | | |
|--------|---------------------------------|
| 6:45am | Buses depart from the Tropicana |
| 7:25am | Welcome
C. Ames and M. Gupta |

Session 1: Thoracolumbar Posterior Open and Minimally Invasive Techniques

- 7:30am Fixation in the Scoliotic Spine-Ped Screws, Hooks, In out In, Navigation (video)
M. Kelly
- 7:42am Discussion
- 7:45am Minimally Invasive Techniques in Deformity – Screws/LIF
J. Uribe
- 7:57am Discussion

Friday, February 5, 2016 (Continued)

- 8:00am Pelvic Fixation Technique with Video
K. Kebaish
- 8:15am Proceed to Lab
- 8:30am Cadaveric Lab – Rotation # 1
- Group 1: Pedicle Screws T3-S1, hooks and Iliac Screws
 - Group 2: MIS Screws
- 9:30am Cadaveric Lab – Rotation # 2
- Group 1: MIS Screws
 - Group 2: Pedicle Screws T3-S1, hooks and Iliac Screws

Session 2: Osteotomies

- 10:45am Realignment Planning Including Software
V. Deviren
- 11:15am Posterior Column Osteotomy
A Samdani
- 11:30am PSO
J. Dimar
- 11:45am VCR
M. Gupta
- 12:00pm Lunch
- 1:00pm PSO and VCR (Video)
C. Ames & M. Gupta
- 1:30pm Proceed to Lab

- 1:45pm Cadaveric Lab – Rotation #1
- Group 1: PCO and PSO Lumbar
 - Group 2: PCO and VCR Thoracic
- 2:30pm Cadaveric Lab – Rotation #2
- Group 1: PCO and VCR Thoracic
 - Group 2: PCO and PSO Lumbar
- 3:15pm Break
- 3:30pm Cadaveric Lab – Rotation #1
- Group 1: Lateral Interbody Technique
 - Group 2: MIS Rod Placement/Correction Technique
- 4:15pm Cadaveric Lab – Rotation # 2
- Group 1: MIS Rod Placement/Correction Technique
 - Group 2: Lateral Interbody Technique
- 5:15pm Adjourn

Saturday, February 6, 2016

- 6:45am Buses pick up from the Tropicana
- 7:25am Welcome
C. Ames and M. Gupta

Session 3: Cervical Deformity

- 7:30am Cervical Pedicle Screws and C1 Screws
J. Smith
- 7:45am Cervical Alignment and Osteotomy Types
T. Protopsaltis
- 8:00am Osteotomies in Cervical and CT Spine (Video)
C. Ames
- 8:15am PJK, Rod Fx Pseudoarthrosis Prevention in ASD
K. Kwan
- 8:30am Quality and Safety in ASD
R. Sethi

8:45am Proceed to Lab

9:00am Cadaveric Lab-

- Complex Cervical Deformity Correction Technique

12:00pm Adjourn - Boxed Lunches

Faculty Disclosures

Conflict of Interest Faculty Disclosures

If noted, the relationships disclosed are as follows: (Top or bottom of every page).

- (a) Grants/Research Support
- (b) Consultant
- (c) Stock/Shareholder (self-managed)
- (d) Speaker's Bureau
- (e) Advisory Board or Panel
- (f) Salary, Contractual Service
- (g) Other Financial or Material Support (royalties, patents, etc.)

Course Chairs

Christopher P. Ames, MD

USA

Biomet (g); DePuy Synthes (a); Globus Medical (d); Medtronic (b); Stryker Spine (b,g)

Munish C. Gupta, MD

USA

DePuy Synthes (b,g); Johnson & Johnson, Pioneer, Pfizer, Proctor and Gamble (c); Medicrea (b); Medtronic, Inc. (a,b); Osteotech (c)

Faculty

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AOSpine (a); Globus (a); Guidepoint (b); Nuvasive (a,b,g); OREF (a); Omega (a); Stryker (b)

John R. Dimar, II, MD

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Abbott Labs (c); DePuy Synthes (d); Global Spine (e); JAAOS (e); JBJS (e); JNJ (c); Medtronic (b); PFE (c); Spine Deformity (e)

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Journal of Spine Deformity (e); K2M (b,g); Nuvasive (b); Orthofix, Inc.(b); Washington State Orthopaedic Association (e)

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Nuvasive (a,b,c,d,g); solas (e); Wolters Kluwer Health - Lippincott Williams & Wilkins (g)

Lukas P. Zebala, MD

USA

AO Spine/Omega (g); Broadwater LLC (d); DePuy, A Johnson & Johnson Company (d,g); K2M (b,d); Medtronic Sofamor Danek - Product Evaluation (g); Ulrich (b)

Corporate Supporters

We are pleased to acknowledge and thank those companies that provided financial and in-kind support to SRS for this hands-on course. These companies provided educational grants to support costs for facility rental, Cadavers, and other course expenses as well as necessary instrumentation and implants for the hands-on lab sessions.

DePuy Synthes Spine

Globus

K2M

Medtronic

NuVasive

Orthofix

SpineCraft

Zimmer Biomet