

**2009 Annual Meeting of the
Society for Minimally Invasive Spine Surgery**

**October 9-12, 2009
Las Vegas, NV**

Preliminary Program

Friday, October 9 (Optional; Not CME accredited)

6:45 am Shuttle departure from Mandalay Bay to MERIN Lab.
7:00 am Breakfast
7:30am Surgical Video Demonstrations & AM Cadaver Lab
12:00 pm Lunch / Shuttles back to hotel
1:15 pm Surgical Video Demonstrations & PM Cadaver Lab
5:45pm Adjourn / Shuttles back to hotel

Saturday, October 10, 2009

6:45 a.m. Registration Opens *Islander Foyer*
- 7:30 a.m. Exhibit Hall and E-Posters Open *Islander A-I*
Continental Breakfast in Exhibit Hall
7:30 a.m. Welcome & Overview of SMISS Goals and Mission *Islander FG*
William Taylor, MD

Scientific Session #1: Posterior MIS

Moderator: *Kevin Foley, MD*

7:35 Minimally Invasive Spine Surgery
Kevin Foley, MD

7:50 Presidential Address
James Schwender, MD

8:05 **Paper # 1:** Outcomes of Minimally Invasive Surgery (MIS) Compared to Open Fusion for Spondylolisthesis.
Y. Raja Rampersaud, MD, FRCSC; Mladen Djurasovic, MD; Leah Carreon, MD, MSc; Oma Persaud, MSc; Paul Anderson, MD; Steven Glassman, MD

8:10 **Paper # 2:** Evaluation of the Complication Rate After 500 Minimally Invasive Spinal (MIS) Procedures: A European Multicenter Prospective Study
Alphonse Lubansu, MD; Kanna Gnanalingham; Paulo Pereira, MD; Cornelius Wimmer

- 8:15 **Paper # 3:** Outcomes of MIS Spinal Fusion: 12 and 24 Months
William Blake Rodgers, MD; Edward Gerber, PA-C; Jamie Patterson, BSBA
- 8:20 TLIF: Factors Influencing Clinical Outcomes
Y. Raja Rampersaud, MD
- 8:30 **Paper #4:** Biomechanical Comparison of an Interspinous Distraction Device with a Novel Interlaminar Dynamic Stabilization System in the Lumbar Spine.
Michael Mac Millan, M.D.; James Rice, M.D.; Bryan Conrad, M.Eng.
- 8:35 Interspinous Process Device
Larry Khoo, MD
- 8:45 **Paper # 5:** Percutaneous Interspinous Process Implanted in Prone Position – 24 months Follow-Up
Luiz Pimenta, MD PhD; Etevaldo Coutinho, MD; Luis Marchi, MSc; Leonardo Oliveira, BSc
- 8:50 **Paper # 6:** Interspinous Indirect Decompression using the DIAM device for Focal Lumbar Spinal Stenosis (FLSS)
Y. Raja Rampersaud, MD, FRCSC; Oma Persaud, MSc
- 8:55 Experience with the Pre-sacral Approach to the Spine
William Tobler, MD
- 9:05 **Paper # 7:** Clinical Outcome of a Minimally Invasive Trans-Sacral Approach to L5-S1 Interbody Fusion
William Bradley, MD; Michael Hisey, MD; Donna Ohnmeiss, DrMed
- 9:10 **Paper # 8:** Safety and the Learning Curve of Trans-Sacral Fusion (AxiaLIF) at L5-S1: Complications in the first 160 Surgeries of a Single Surgeon Series
William Blake Rodgers, MD; Edward Gerber, PA.-C; Jamie Patterson, BSBA
- 9:15 Minimally Invasive Options for Direct Decompression of the Lumbar Spine
D. Greg Anderson, MD
- 9:25 **Paper # 9:** Biomechanical Analysis of a Novel Technique for Dural Repairs in Minimally Invasive Spine Surgery
Michael Mac Millan, MD; John McCormick, MD; Bryan Conrad, M.Eng
- 9:30 Discussion
- 10:00 Refreshment Break & Exhibit Viewing *Islander CDEHI*

Scientific Session #2: Lateral MIS
Islander FG
Moderator: *Frank Phillips, MD, William Taylor, MD*

- 10:30 **Paper # 25:** Changes in Coronal and Sagittal Plane Alignment after XLIF Procedure in the Treatment of Degenerative Scoliosis
Luiz Pimenta, MD PhD; Etevaldo Coutinho, MD; Luis Marchi, MSc; Leonardo Oliveira, BSc
- 10:35 Indirect Lumbar Decompression
William Blake Rodgers, MD
- 10:45 A Mini-open, Lateral Approach for Thoracolumbar Corpectomy: 86 patient Series
William Smith, MD
- 10:55 **Paper # 10:** Failed Indirect Decompression following ALIF and Percutaneous Pedicle Screw Fixation
Gene Cheh, Jin-Wook Kim, MD; Hoon Soo Kim, MD
- 11:00 **Paper # 11:** Transcorporeal Tunnel Approach for Unilateral Cervical Radiculopathy: A 2 Year Follow-up, Review and Results
Gun Choi, MD, PhD; Sang-ho Lee, MD, PhD; Nikhil J Arbatti, MD; Ho jae Kim, MD; Sung hui Myung
- 11:05 Lateral Thoracic
William Taylor, MD
- 11:15 The Role of ALL in Lumbar Artificial Disc Replacement – A 3 Year Clinical Experience
Luiz Pimenta, MD, PhD
- 11:25 **Paper # 12:** Three-Year Follow-Up in a Metal-on-Metal Lateral Disc Replacement: A Shift Paradigm
Luiz Pimenta, MD, PhD; Etevaldo Coutinho, MD; Luis Marchi, MSc; Leonardo Oliveira, BSc
- 11:30 Defining Value in Spine Care
Frank Phillips, MD
- 11:40 **Paper # 13:** MIS 2 Level Fusion v. Open 2 Level Fusion: The Significance of a Surgeon's Efficiency
William Blake Rodgers, MD; Edward Gerber, PA-C; Jamie Patterson, BSBA
- 11:45 **Paper # 14:** Direct Economic Impact of Posterior Minimally Invasive Compared to Conventional Open Fusion Procedures for Lumbar Spondylolisthesis.
Y. Raja Rampersaud, MD, FRCSC; Randolph Gray, MD; Michael Fehlings, MD, PhD, FRCSC; Stephen Lewis, MD, FRCSC; Eric Massicotte, MD, FRCSC
- 11:50 Discussion

12:15 **Lunchtime Case Discussion Sessions**
Participants can choose one or rotate between all three at their own pace. Lunch buffets to be provided in each room.

Presacral Case Discussions

Moderators: *William Blake Rodgers, MD & Larry Khoo, MD*
 Room: *South Pacific Ballroom A*

Infection Case Discussions

Moderators: *Hyun Bae, MD & Isador Lieberman, MD*
 Room: *South Pacific Ballroom B*

Revision Case Discussions

Moderators: *Y. Raja Rampersaud, MD & William Taylor, MD*
 Room: *South Pacific Ballroom C*

1:55 Walking Break

Scientific Session #3: Trauma
Moderators: *Steve Ludwig, MD*

Islander FG

2:05 The Role of MIS Fixation for Thoracolumbar Fractures
Steve Ludwig, MD

2:12 Internal Fixation Without Fusion for Trauma
Mark Dekutoski, MD

2:20 **Paper # 15:** Minimally Invasive Treatment of Thoracolumbar Spine Fractures
Terrence Julien, MD; Cara Sedney, MD; James Mills, MD; Brenton Coger, MD

2:25 Thoraco Lumbar Junction Anatomy and Approach
Choll Kim, MD

2:35 Minimally Invasive Lateral Retropleural Approach to TL Junction
Juan R. Uribe, MD

2:45 **Paper # 16:** Lumbar Plexus Palsy After XLIF: An Avoidable Complication?
Jeffrey Coe, MD; Steven Meyer, MD

2:50 **Paper # 17:** The Clinical Utility of Dynamically Evoked, Discrete-threshold Electromyography (EMG) in the Extreme Lateral Interbody Fusion (XLIF®) Approach
William Taylor, MD; Antoine Tohmeh, MD; Mark Peterson, MD; William Rodgers, MD; John Cummings, Jr., MD; Faheem Sandhu, MD; Vedat Deviren; Ildemaro Volcan, MD; Sangwook Yoon, MD

2:55 **Paper # 18:** Short Term Follow-up, Complications and Observations from 100 Consecutive XLIF Procedures
Nicholas Wills, MD; Manuel Pinto

3:00 Discussion

3:20 Walking Break

3:25 **Technology Forums**

*Participants can choose which to attend. Technology Forums are not-CME accredited.
Refreshments will be provided in each room.*

Emerging Role of MIS for Complex Spine

Supported by: DePuy Spine

Faculty: *D. Greg Anderson, MD & Steve Ludwig, MD*

Room: *South Pacific Ballroom A*

Lumbar Spinal Stenosis Treatment Options

Supported by: Medtronic

Faculty: *Neel Anand, MD*

Room: *South Pacific Ballroom B*

XLIF® -Multiple Interbody Fixation Options from a Lateral Approach

Supported by: NuVasive

Faculty: *William Taylor, MD*

Room: *South Pacific Ballroom C*

Lumbar Discectomies and New Surgical Advances in Anular Repair

Supported by: Anulex

Faculty: *Jean Pierre Mobasser, MD*

Room: *South Pacific Ballroom D*

4:30 -
6:00 p.m. Course Reception

Islander A-I

Sunday, October 11, 2009

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| <p>6:45 a.m. Registration Opens
 - 7:30 a.m. Exhibit Hall and E-Posters Open</p> | <p><i>Islander Foyer
 Islander A-I</i></p> |
| <p>7:30 a.m. Technology Forums
 <i>Participants can choose which to attend. Technology Forums are not-CME accredited.
 Breakfast will be provided in each room.</i></p> | |
| <p>Minimally Invasive Treatments for Complex Spine
 Supported by: Medtronic
 Faculty: <i>Mark Dekutoski, MD</i>
 Room: <i>South Pacific Ballroom B</i></p> | |
| <p>XLIF® -Multiple Interbody Fixation Options from a Lateral Approach
 Supported by: NuVasive
 Faculty: <i>William Blake Rodgers, MD</i>
 Room: <i>South Pacific Ballroom C</i></p> | |
| <p>8:30 Walking Break</p> | |
| <p>Scientific Session #4: Tumor/Robotic <i>Islander FG</i>
 Moderator: <i>Carl Lauryssen, MD</i></p> | |
| <p>8:40 Overview of Robotics and Review
 <i>Michael Mac Millan, MD</i></p> | |
| <p>8:50 Paper # 19: 3-D Image-Based Computer Navigation Reduces Needle Malposition Rates
 in Balloon Kyphoplasty
 <i>Jonathan Sembrano, MD; Charles Ledonio, MD; Edward Santos, MD; David Nuckley,
 PhD; David Polly, Jr., MD</i></p> | |
| <p>8:55 Robotics in Spine Surgery
 <i>Isador Lieberman, MD</i></p> | |
| <p>9:05 Discussion</p> | |
| <p>9:20 Paper # 20: Combined Plasma-mediated Radiofrequency Ablation and Cement
 Augmentation for Spine Tumors Diagnosed as Multiple Myeloma, Lymphoma, and
 Plasmacytoma
 <i>Bassem Georgy, MD</i></p> | |
| <p>9:25 Paper # 21: Innovative Vertebral Augmentation Technique Maximizes Fracture
 Reduction Compared to Vertebroplasty and Balloon Kyphoplasty
 <i>Kent Remley, MD</i></p> | |
| <p>9:30 Discussion</p> | |
| <p>9:45 The Business of Marketing MIS
 <i>Bill Paquin</i></p> | |
| <p>10:15 Refreshment Break & Exhibit Viewing <i>Islander A-I</i></p> | |

Scientific Session #5: Deformity
Islander FG
Moderator: *Choll Kim, MD; Luiz Pimenta, MD*

- 10:45 Minimally Invasive Correction and Fusion of Adult Spinal Deformity
Neel Anand, MD
- 10:55 **Paper # 22:** CT Fusion Assessment in XLIF Patients at 1 Year
William Blake Rodgers, MD; Edward Gerber, PA-C; Jamie Patterson, BSBA
- 11:00 **Paper # 23:** Minimally Invasive Pedicle Screw Instrumentation For Pediatric Spinal Deformity: Safety And Feasibility In First 30 cases.
Rasesh Desai, MD; Vivek Sharma; Atiq Durrani, MD; Alvin Crawford, MD
- 11:05 **Paper # 24:** Minimally Invasive Scoliosis Surgery in AIS Patients: A Technique and Feasibility Study
Vishal Sarwahi, MD; Terry Amaral, MD; Adam Wollowick, MD; Laury Cuddihy, MD; Melanie Gambassi, cPNP
- 11:10 Nubac Lumbar Nucleus Replacement
Hansen Yuan, MD
- 11:20 Distractive Lumbar Laminoplasty Combined with Instrumented Interspinous Fusion
Hyun Bae, MD
- 11:30 State of the Art and Pitfall of Percutaneous Endoscopic Lumbar Discectomy
Gun Choi, MD, PhD
- 11:40 Selective Endoscopic Rhizotomy for Chronic Nondiscogenic Axial Low Back Pain
Anthony Yeung, MD
- 11:50 Discussion
- 12:05 Walking Break
- 12:10 **Lunchtime Case Discussion Sessions**
3 concurrent case discussion sessions; participants can choose one or rotate between them at their own pace. Lunch buffets to be provided in each room.
- Stenosis, HNP, Spondy Case Discussions**
Moderators: *Jean Pierre Mobasser, MD & Ali Araghi, MD*
Room: *South Pacific Ballroom A*
- Long Constructs to Sacrum Case Discussions**
Moderator: *Steve Ludwig, MD*
Room: *South Pacific Ballroom B*
- Adult Scoliosis Case Discussions**
Moderators: *John Regan, MD & Ken Yonemura, MD*
Room: *South Pacific Ballroom C*
- 1:40 Adjourn

Monday, October 12 (Optional; Not CME accredited)

6:45 am Shuttle departure from Mandalay Bay to MERIN Lab

7:00 am Breakfast

7:30 am Surgical Video Demonstrations & AM Cadaver Lab

12:00 pm Lunch / Shuttles back to hotel

1:15 pm Surgical Video Demonstrations & PM Cadaver Lab

5:45 pm Adjourn / Shuttles back to hotel