



CEDARS-SINAI MEDICAL CENTER

Institute for Spinal Disorders

Sponsors

# **Eighth Annual Symposium on Current Concepts in Spinal Disorders 2009**

A conference for orthopedists, neurosurgeons, fellows, residents and other physicians interested in the surgical treatment of spinal disorders

## **Conference:**

Thursday, January 29, 2009:	7:30 am to 4:30 pm
Friday, January 30, 2009:	7:00 am to 4:30 pm
Attendees Reception:	6:00 pm
Saturday, January 31, 2009:	7:30 am to 1:00 pm

## **Mandalay Bay Hotel - Mandalay Bay Conference Center**

3950 Las Vegas Boulevard, South • Las Vegas, Nevada

A limited number of rooms at THEHotel at Mandalay Bay have been reserved for meeting attendees.

There will also be non-CME industry sponsored hands-on workshops on various days when the symposium is not in session

## THURSDAY, JANUARY 29, 2009

7:30 am

Registration

Introduction and Overview

*Neel Anand, MD*

### SESSION I PAIN MANAGEMENT

#### HEAD AND NECK

Cervicogenic Headache: Mechanisms and Modalities

Cervical Pain and Migraine Headaches: Are They Related?

Diagnostic and Therapeutic Cervical Injections

Opioid-Induced Hyperalgesia: Neural Mechanisms and Clinical Implications

Cervical Neuraxial Injection Controversies

Discussion

#### THORACIC AND LUMBAR SPINE

Vertebroplasty and Kyphoplasty: Pros and Cons

21st Century Discography and the HIZ

Advanced Disc Therapies

Functional Anesthetic Discography

Correlating Intro-Operative Chromo-Discography with Endoscopic Patho-Anatomy of the Lumbar Spine

Discussion

Break

#### ADVANCED TREATMENT MODALITIES

Spinal Cord Stimulation-Axial Low Back Pain versus Radiculopathy

Radiofrequency Neurotomy: How is the SI Joint Treated?

Intrathecal Delivery Pumps: Latest Treatments for Nociceptive Pain

Peripheral Nerve and Subcutaneous Stimulation

Discussion

#### NON-INVASIVE MODALITIES

Psychological Assessment and Warning Signs for Invasive Procedures

Rehabilitation: How to Optimize Outcome

EMG for the Spine Surgeon

Discussion

Lunch

### SESSION II BIOLOGICS

BMP-2: Facts, Science, Indications and Successes

BMP-2: Controversies, Complications and the Future

Platelet Factors and Bone Graft Extenders

Stem Cell Based Fusion

Stem Cells and Spinal Cord Injury

Nucleus Regeneration

Collagen Crosslinking for Tissue Repair

Expert Panel Summary

### SESSION III NUCLEUS REPLACEMENT/REPAIR

Rationale and Indications (Overview of all Devices)

Hydraflex

NeuDisc

NuCore

DASCOR

PSD

NUBAC

Regain

Case Panel Discussion

Expert Panel Summary

**SESSION IV VERTEBRAL COMPRESSION FRACTURES ( VCF) UPDATES**

- VCF - Updates Complications of Cement Augmentation
  - StaXx for VCF
  - Update on Cement Augmentation for VCF
  - OsseoFix
  - Discussion
  - Expert Summary
- 4:30 pm Adjourn

**FRIDAY, JANUARY 30, 2009**

- 7:00 am Registration and Continental Breakfast
- Introduction and Overview

**SESSION V MINIMALLY INVASIVE INNOVATIVE TECHNOLOGIES**

- Minimally Invasive Spinal Surgery - Why Is It Not Universal?
- Endoscopic Lumbar Spinal Surgery
- Percutaneous Endoscopic Cervical Discectomy
- Thoracoscopic and Laparoscopic Spine Surgery 2008
- Discussion
- StaXx for Interbody Fusion
- Outpatient AxialIF
- Transposas Lateral Interbody Fusion XLIF/DLIF
- XLIF for Thoracic Spine
- Minimizing The ALIF
- Multilevel Percutaneous Pedicle Screw Fixation for Spine Trauma
- Discussion
- Expert Summary

**SESSION VI FRONTIER TECHNOLOGIES**

- Digital Operating Room For Safer Spine Surgery
- Image Guidance and Robot Assisted Spine Surgery: The New Use of O-Arm
- Cyperknife for Spinal Neoplasms
- PediGuard
- Nucleus Repair
- Annular Repair
- Lunch: Keynote Speaker: Surgeon Reimbursement and Economics of Spine Surgery - 2009 and Beyond (no CME credit for this Lecture)**

*Robin Young, CFA*

**SESSION VII POSTERIOR NON-FUSION (PNF)**

- Biomechanics of Posterior Non-Fusion Devices
- Interspinous Spacers
  - Overview and Indications for Interspinous Spacers
  - X-Stop
  - DIAM
  - Wallis
  - Co-flex
  - Discussion
- Pedicle Based Devices
  - Dynesys
  - Isobar
  - N-Spine (Enhance)
  - DSS
  - Stabilimax
  - Discussion

**Facet Replacement Devices**

- Overview and Indications for Facet Replacement Devices
- TOPS
- Total Facet Arthroplasty System
- Anatomical Facet Replacement System
- Discussion
- Expert Summary
- Break

**SESSION VIII DEFORMITY**

- Genetic Testing for Scoliosis
- Outcomes for Adult Spinal Deformity
- Pros and Cons of Thoracic Pedicle Screw Instrumentation in Pediatric Deformity
- Endoscopic Anterior Correction of Thoracolumbar Scoliosis
- Mid Cervical Deformity
- Cervical Thoracic Deformity
- PSO in the Thoracic Spine
- Revision Strategies for Sagittal Coronal Deformities
- Surgery of the Unfused Compensatory Thoracolumbar Curve in Adult Scoliosis
- Fusionless Deformity
- Multi-Level Minimally Invasive Fusion for Adult Degenerative Scoliosis
- Q & A

**SESSION IX COMPLICATIONS & PROBLEMS IN ROUTINE SPINAL SURGERY**

- Medical Errors and Malpractice
- Strategies for Avoiding Complications and Pitfalls
- Dural Tears and Persistent CSF Leaks
- Revision Strategies for the Previously Operated Patient
- Two Cases Discussions with Two Senior and Two Junior Faculty
- Q & A

4:30 pm

Adjourn

6:00 pm

**Attendees Welcome Reception**

**SATURDAY, JANUARY 31, 2009**

**SESSION X LUMBAR ADR**

7:30 am

- Continental Breakfast
- Kinematics of Lumbar ADR
- Indications - Patient Selection - Contra-Indications and Summary of Discs Today
- ADR DOES NOT Prevent Adjacent Segment Degeneration
- ADR DOES Prevent Adjacent Segment Degeneration
- Discussion
- Is There a Role for Hybrid Constructs
- Hybrid Constructs Are Just a Marketing Ploy
- Discussion
- Point: L5-S1 - TDR Has No Benefit
- Counterpoint - L5-S1 TDR Is Better than Fusion
- Discussion
- Vascular Surgeons Perspective on How to Avoid ADR Complications
- Surgeons Perspective on Avoiding ADR Complications
- Panel Discussion
- Expert Summary
- Break