

## PRELIMINARY PROGRAM



SEPTEMBER 6–8, 2018

Caesars Palace | MERIN Lab  
Las Vegas, NV

### CHAIRMEN

- Gregory M. Mundis, Jr., MD
- Paul Park, MD
- Sheeraz Qureshi, MD, MBA

***Cases and Controversies  
in Minimally Invasive  
Spine Surgery***

#### SEPTEMBER 6

Optional Cadaveric Labs

#### SEPTEMBER 7–8

Scientific Program



JOINTLY PROVIDED BY:

## Dear Colleague,

**THE SMISS ANNUAL FORUM IS THE ONLY MAJOR MEETING** focused entirely on minimally invasive spine surgery. Other meetings may dedicate a session or two to MISS, but at the SMISS Annual Forum, minimally invasive spine surgery is front and center. If you already use MISS techniques in your practice, or want to add them to your tool box, there is no better meeting for you to attend.

This year's Forum will be held in Las Vegas, September 6-8, 2018. The focus will be on **Cases and Controversies**, providing practical insights based on real-world experience, and audience interaction. Multiple concurrent sessions will also allow you to catch up on the research updates of most interest to you. Young surgeons, fellows, and residents will benefit from a special session to present their research. Our optional cadaveric lab will sell out early, especially the endoscopic track, so don't delay making your plans.

Last year's SMISS Forum received superb reviews. We hope you'll join us in 2018 for the #1 meeting in MISS! Visit [www.smisssmeeting.org](http://www.smisssmeeting.org) to submit abstracts and register today!

Sincerely,

**Greg Mundis, MD | Paul Park, MD | Sheeraz Qureshi, MD**

**“ Incredible meeting...very well thought out.  
 Will definitely attend next year. ”**

—2017 ATTENDEE

## Faculty

### SMISS Board of Directors

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### Annual Forum Co-Chairmen

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 Paul Park, MD  
 Sheeraz Qureshi, MD, MBA

### International Directors

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 Pedro Berjano, MD  
 Jin-Sung Kim, MD

### Invited Faculty

Neil Anand, MD  
 Nomaan Ashraf, MD  
 Hyun Bae, MD  
 Sig Berven, MD  
 Victor Chang, MD  
 Robert Eastlack, MD  
 Sonia Eden, MD  
 Christopher Hofstetter, MD

Adam Kanter, MD  
 Han Jo Kim, MD  
 Abhishek Kumar, MD  
 Ron Lehman, MD  
 Steven McAnany, MD  
 Isaac Moss, MD  
 Praveen Mummaneni, MD  
 Pierce Nunley, MD  
 David Okonkwo, MD  
 Mark Oppenlander, MD  
 Gregory Polston, MD  
 Kris Radcliff, MD  
 Zac Ray, MD  
 Jeff Roh, MD

Stephen Ryu, MD  
 Jonathan Schoeff, MD  
 Raj Sethi, MD  
 Kern Singh, MD  
 William Smith, MD  
 Ellen Soffin, MD  
 Blake Staub, MD  
 Khoi Than, MD  
 Cheerag Upadhyaya, MD  
 Michael Wang, MD  
 Peter Whang, MD  
 James Yue, MD

*\*Faculty Subject to Change*

### Follow SMISS online

Connect at [www.smisssmeeting.org](http://www.smisssmeeting.org) or any SMISS social media outlet



Why attend SMISS '18? Last year's attendees said after the Forum they would

“increase number of MIS procedures in my daily practice”

“do more ASC cases”

“convert to endoscopic spine surgery and MIS fusions”

“change my lumbar fusion technique”

“add computer navigation for spine cases”



### CALL FOR ABSTRACTS

Submit abstracts relating to current and emerging techniques and technology in MISS!

**NEW This Year**—Residents, Fellows, and Surgeons less than 3 years Post-Fellowship are encouraged to submit abstracts for consideration for the Young Surgeon Session.

Visit [www.smisssmeeting.org](http://www.smisssmeeting.org) to learn more.

**Submission deadline:  
June 1, 2018**

### Physician Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Medical Education Resources (MER) and SMISS. MER is accredited by the ACCME to provide continuing medical education for physicians.

### Credit Designation

MER designates this live activity for a maximum of 13.00 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Optional Cadaveric Lab

Non-CME-Accredited

September 6, 2018 | MERIN Laboratory  
Las Vegas, NV

Join small learning groups and practice hands-on techniques in minimally invasive spine surgery. The Cadaveric Lab is supported by various medical device companies and is not CME-accredited.

The labs typically sell out well in advance of the program, so act now to secure your place!

### MISS Techniques Lab

September 6, 2018 | 8:00 am–4:00 pm

Practice the latest techniques in MISS! Registrants will rotate through four MISS technique stations in 90-minute hands-on sessions.

Non-Member Fee: \$750 | Member Fee: \$650

### Endoscopic Techniques Lab

September 6, 2018 | 8:00 am–3:00 pm

This lab track features in-depth lectures followed by rotations through multiple hands-on stations.

Non-Member Fee: \$850 | Member Fee: \$750

### Disclosure of Conflicts of Interest

Medical Education Resources insures balance, independence, objectivity, and scientific rigor in all our educational activities. In accordance with this policy, MER identifies conflicts of interest with its instructors, content managers, and other individuals who are in a position to control the content of an activity. Conflicts are resolved by MER 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. MER is committed to providing its learners with high-quality CME activities that promote improvements or quality in health care and not the business interest of a commercial interest.

# Scientific Program *Cases and Controversies in Minimally Invasive Spine Surgery*

## THURSDAY, SEPTEMBER 6, 2018

8:00 am–4:00 pm Optional Non-CME Cadaveric Labs

4:00–6:00 pm Registration Opens

## FRIDAY, SEPTEMBER 7, 2018

6:45 am Registration

7:30 Non-CME Technology Workshops with Breakfast

### SESSION 1: Spinal Deformity *Controversy: Does Every Patient Benefit from "Ideal" Correction?*

8:30 Welcome

8:35 Age Specific Alignment Goals: Give It to Me Straight, What Are the Key Goals I Need to Know for Each Case?

#### **DEBATE: Do We Really Need to Get Patients "Aligned" to Have a Good Long-term Outcome?**

8:43 > Case: 75 y/o Female with Modest Degenerative Scoliosis

8:46 > Alignment is Overrated

8:51 > Alignment is Critical to Outcome

8:56 > Discussion & Audience Response

9:03 How Do I Decide Whether MIS, Hybrid, or Open is Best for My Patient?

9:11 Discussion

#### **DEBATE: Surgical Approach to Degenerative Deformity: Front, Back, Lateral, or All Three?**

9:15 > Case: 60 y/o Female, PI/LL 20°, SVA 10°, PT 23°

9:18 > Posterior Only is Ideal for the Patient

9:23 > Circumferential MIS Surgery is Best

9:28 > Single Position Lateral Surgery Can Accomplish Everything

9:33 > Discussion & Audience Response

#### **DEBATE: How Best to Treat L5-S1:**

9:38 > Case: Adult Degenerative Scoliosis with DTD at T1, No Prior Surgery

9:41 > MIS TLIF

9:46 > ALIF—Direct Anterior

9:51 > Discussion

9:55 Avoiding L5-S1 in Short Segment Degenerative Scoliosis

10:03 Does Multi-Disciplinary Risk Assessment Lead to Better Outcomes?

10:11 Discussion

10:15 Panel Discussion: Does Minimally Invasive Spine Surgery Lead to More or Fewer Complications?  
Alignment Failure; Implant Non-union Failure; Repeat Surgery

10:35 Refreshment Break & Exhibit Viewing

### SESSION 2: Concurrent Free Paper Sessions & Young Surgeon Session

11:05 Session 2A: Free Papers

Session 2B: Free Papers

Session 2C: Young Surgeon Session

> Residents, Fellows and Surgeons 3 years or less Post-Fellowship are encouraged to submit abstracts for this special session; visit [www.smismeeting.org](http://www.smismeeting.org) to learn more & submit by June 1, 2018.

12:35 pm Lunch; Exhibit Viewing; Meet-the-Experts Sessions; Young Surgeon Workshop

*Program Subject to Change*

Friday, September 7 Continued

### SESSION 3: Concurrent Sessions

1:25 Session 3A: Cervical Spine & Cervical Arthroplasty  
Session 3B: Robotics, Navigation, Image Guidance

3:00 Refreshment Break; Exhibit Viewing

### SESSION 4: Technology Updates—Non-CME Session

3:25 Technology Update Presentations

### SESSION 5: Ambulatory Spine Surgery / Multimodal Analgesia Techniques

*Controversy: Does Ambulatory Surgery Benefit Patient Outcome?*

#### Transitioning Spine Surgery from the Hospital to an Ambulatory Surgery Center:

- 3:45 > Which Cases Can I Safely Do in an ASC?
- 3:52 > My Experience and Learning Curve
- 3:59 > How to Keep Hospital Administrators Happy While Taking Cases Out of the Hospital
- 4:06 > Do the Economics of ASCs Make Sense in 2018?
- 4:13 > Discussion
- 4:21 > Multimodal Analgesia and Anesthesia Techniques for Same Day Discharge Success in Spine Surgery—  
with Video Demo of TAP Block for ALIF and LLIF
- 4:31 > Post-op Pain Management: Are There Perioperative Blocks That Can Help?
- 4:39 > Tips for Protecting the Patient and the Surgeon When Prescribing Opioids
- 4:47 > Discussion

#### **DEBATE: Doing Spine Surgery in an ASC:**

- 4:55 > Is Better for Your Patient
- 5:01 > Is Worse for the Patient (But Good for the Surgeon's Wallet)
- 5:07 > Discussion & Audience Response

5:20–6:20 pm Adjourn; Welcome Reception

## SATURDAY, SEPTEMBER 8, 2018

7:00 am Registration

7:45 Non-CME Technology Workshops with Breakfast

### SESSION 6: Degenerative Spine *Controversy: Do Standard Degenerative Spine Cases Really Need MIS Approaches?*

8:40 Welcome

#### **DEBATE: For a Herniated Disc the Best Approach is:**

- 8:45 > Case: Free Fragment, L4-5 Disc
- 8:48 > Tubular Approach (incl. video demo)
- 8:56 > Endoscopic Approach (incl. video demo)
- 9:04 > Micro-discectomy (incl. video demo)
- 9:12 > Discussion & Audience Response

#### **DEBATE: L4-5 Grade 1 Spondylolisthesis / Stenosis. The Best Technique is:**

- 9:19 > Case Example
- 9:22 > MIS TLIF
- 9:28 > Tubular Approach
- 9:34 > Awake Fusion
- 9:40 > Decompression Without Fusion
- 9:46 > Indirect Decompression and LLIF
- 9:52 > Discussion & Audience Response

Program Subject to Change

*Saturday, September 8 Continued***DEBATE: 2-level L4–S1 Decompression and Fusion. The Best Technique is:**

- 10:00 > Case Example
- 10:03 > 2-level MIS TLIF
- 10:08 > 2-level ALIF With Posterior Fixation
- 10:13 > Oblique Lumbar Interbody Fusion / Extreme Lateral Interbody Fusion
- 10:18 > Discussion & Audience Response

10:25 Presentation of Best Paper & Award Presentation

10:30 Refreshment Break; Exhibit Viewing

**SESSION 7: Concurrent Free Paper Sessions**

- 10:55 Session 7A: Free Papers
- Session 7B: Free Papers

12:25 pm Lunch; Last Chance for Exhibit Viewing; Meet-the-Experts Sessions

**SESSION 8: Technology Updates—Non-CME Session**

- 1:05 Technology Update Presentations

**SESSION 9: New Technology / Interbody Implant Surface Technologies / Fusion Options**

- 1:30 Porous PEEK and Titanium Coated Interbody Cages—Hype or Not?
- 1:38 Nanotechnology Improves Fusion—Real or Hype?
- 1:46 Cellular Allograft—As Good As BMP?
- 1:54 Talk on Metallurgy
- 2:02 Discussion
- 2:08 Interspinous Decompression Devices—Do They Have a Role?
- 2:14 TLIF Expandable Cage—Straight Oblique vs Banana Cage
- 2:20 Discussion
- 2:27 Lateral Expandable Cage Technology
- 2:35 Fenestrated Pedicle Screws to Optimize Fixation in Osteoporosis or Tumor
- 2:43 Endoscopic Fusion
- 2:51 Discussion

**DEBATE: PEEK vs Titanium: which is better?**

- 2:56 > PEEK Cages are Best to Decrease Subsidence and Obtain Fusion
- 3:01 > Titanium Cages are Best for Osteointegration
- 3:06 > Discussion & Audience Response

**SESSION 10: Complications—Avoidance and Management****Review of Common Complications, Methods for Management and Avoidance:**

- 3:14 > Extreme Lateral Interbody Fusion / Oblique Lumbar Interbody Fusion
- 3:20 > MIS TLIF
- 3:26 > Endoscopic Decompression
- 3:32 > Anterior Column Realignment
- 3:38 > Discussion
- 3:45 MISS Strategies to Treat Symptomatic Adjacent Segment Disease
- 3:51 Optimizing Management of Osteoporotic Patients Who Undergo MIS Fusion
- 3:57 Video: Treatment of Durotomies in MISS
- 4:05 Discussion
- 4:10 Adjourn

# Registration & Hotel



Register online at  
**[www.smisssmeeting.org](http://www.smisssmeeting.org)**

## Scientific Program Registration Fees

Fees include: access to all sessions and exhibit hall; digital program book and forum guide; daily breakfast, lunch, and refreshments; welcome reception.

<b>Non-Member Surgeon</b>	\$845
<b>SMISS Member Surgeon</b>	\$675
<b>Surgeon from Low-GDP Country*</b>	\$475
<b>Resident, Fellow, Allied Health (e.g. PA, RN)</b>	\$425

Late Fee (after August 3) \$100.

\*As defined by the World Bank. List can be found on [smisssmeeting.org](http://smisssmeeting.org)

## Optional Cadaveric Lab Registration Fees

Must be registered for Scientific Program

<b>MISS Track</b>	\$750 non-member / \$650 member
<b>Endo Track</b>	\$850 non-member / \$750 member

For registration and hotel details and a complete list of course policies, visit **[www.smisssmeeting.org](http://www.smisssmeeting.org)**.

## Learning Objectives

As a result of this activity, the participant should be better able to:

- Describe the rationale, advances, surgical tips, and complications associated with current MISS techniques, including lateral, TLIF, and endoscopic.
- Discuss MISS treatment options and their outcomes for the management of spinal deformity, cervical and lumbar degenerative, trauma, and tumor conditions.
- Describe current best practices for various MISS challenges, including use of robotics, navigation, and new technologies to enhance fusion.
- Discuss patient outcomes and the economics associated with ambulatory spine surgery centers.

## Target Audience

This course is designed for orthopaedic and neurological surgeons, fellows, and residents.

## Hotel Accommodations

### Caesars Palace

3570 Las Vegas Blvd.  
 Las Vegas, NV 89109  
[www.caesarspalace.com](http://www.caesarspalace.com)

### Room Rate:

**Palace Run of House**—\$215 per night, plus tax

A daily resort fee of \$35.00 per room, per night plus the current room tax will be charged in addition to the room rate.

## RESERVATIONS PROCEDURE

**Make your reservation by August 15th!**

**<https://aws.passkey.com/go/SCSM18>**  
**to book online.**

**Or call: 702.731.7110 or 800.634.6001.** Be sure to use the group code, **SMISS Annual Forum 2018**, or **SCSM18**, to receive the discounted room rate.





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# Annual Forum '18

## PRELIMINARY PROGRAM

### FDA (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.

### Commercial Support

Various medical companies have been invited to exhibit and provide grants for this course. Full disclosure of financial and other support will be provided in the course materials.

### Disclaimer

SMISS, MER, and BroadWater disclaim 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.

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