

## 17th Annual Symposium on Current Concepts in Spinal Disorders

### FEBRUARY 8-10, 2018

**COURSE DIRECTORS** Hyun Bae, MD Neel Anand, MD Theodore Goldstein, MD J. Patrick Johnson, MD

#### **CONFERENCE LOCATION:**

The Bellagio Hotel 3600 S. Las Vegas Blvd. Las Vegas, NV 89109

To register, visit cedars-sinai.edu/spinecme

## ACTIVITY INFORMATION

#### COURSE DESCRIPTION AND STATEMENT OF NEED

The 17th Annual Symposium on Current Concepts in Spinal Disorders focuses on treatment methodology, controversies in spine care management, and new and emerging technologies. The faculty is composed of internationally recognized experts who will present lectures focused on innovations in spine surgeries, spine sciences including biologics, stem cells, minimally invasive surgeries, motion preservation, complications, controversies and deformities. Participants will have several opportunities to enjoy personal interactions with many of our country's leading spine professionals. All attendees are encouraged to join faculty for discussions and debates regarding all topics. Attendees are also encouraged to submit cases for our "What would you do?" Challenging Case discussion.

#### TARGET AUDIENCE

This activity is designed to meet the educational needs of orthopedic surgeons, neurosurgeons, spine surgeons, physiatrists, pain management physicians, fellows, residents, physician assistants, nurses, nurse practitioners, and other physicians and spine professionals interested in the treatment of spinal disorders.

#### EDUCATIONAL OBJECTIVES

- Identify vulnerable areas in spine care and develop more effective treatment strategies, taking into consideration long-term effects from injury as well as the complex factors impacting safety and efficacy
- Identify risk factors associated with spine surgeries and use evidenced-based best practices to manage complications, should they occur
- Discuss recent advances in spine decompression and fusion and the various drivers of disc degeneration, and apply best practices in the management of patients with DDD
- Discuss new innovations and operative techniques and apply them to future clinical decision-making processes
- Describe options for correcting spinal deformities that avoid significant functional and/or neurological impairment in patients
- Recognize and conservatively manage patients with various types of spinal disorders
- Discuss the science, risks and benefits of motion-preservation technologies and strategies to optimize patient outcomes

#### ACCREDITATION STATEMENT

Cedars-Sinai Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



#### CREDIT DESIGNATION STATEMENT

Cedars-Sinai Medical Center designates this live activity for a maximum of 14.0 *AMA PRA Category 1 Credits*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### NURSES

The California State Board of Registered Nursing accepts courses approved by the ACCME for Category 1 credit as meeting the continuing education requirements for license renewal.

#### AMERICAN ACADEMY OF PHYSICIAN ASSISTANTS CREDIT

This program is not yet approved for CME credit. Conference organizers plan to request 14 hours of AAPA Category 1 CME credit from the Physician Assistant Review Panel. Total number of approved credits yet to be determined.

#### ACKNOWLEDGMENT OF COMMERCIAL SUPPORT

Commercial support for this conference is pending and will be acknowledged at the conference.

## AGENDA

#### THURSDAY, FEBRUARY 8, 2018

#### 12:00-1:00 p.m. Registration and Exhibit Hall Open

**SESSION 1:** SOCIOECONOMICS OF SPINE CARE **Moderators:** Theodore Goldstein, MD and J. Patrick Johnson, MD

1:00	Welcome	Theodore Goldstein, MD ar	nd J. Patrick Johnson, MD
1:10	Clinical Judgment and Decision-making in Spinal Surgery		Theodore Goldstein, MD
1:20	Keynote Lecture: Neurosurgery in the Iraq War		W. Lee Warren, MD
2:00	Question and Answer		
2:10	<b>Keynote Lecture:</b> Future Directions in Spine Surgery Education: The Impact of Rapid Change on Surgical Technique		Rick Fessler, MD
	Question and Answer		
2:35	Keynote Lecture: Innovation and Value	in a Changing World	Frank Phillips, MD
3:00	Question and Answer		
3:10	Predictive Analytics: The Future of Risk and Outcome Optimization	Stratification	Christopher Ames, MD
3:40	Break in Exhibit Hall		

**SESSION 2:** SPINE-CHILLING COMPLICATIONS & CONTROVERSIES IN THE O.R. (AKA: I WISH I'D NEVER DONE THIS CASE) **Moderators:** *Michael Kropf, MD and Scott Blumenthal, MD* 

4:00	Isador Lieberman, MD
4:10	Paul Santiago, MD
4:20	Jens Chapman, MD
4:30	David Polly, MD
4:40	Vincent Traynelis, MD
4:50	Christopher Ames, MD
5:00	Panel Discussion
5:15	Meeting Adjourns (Dinner on your own)

#### FRIDAY, FEBRUARY 9, 2018

#### 7:00 a.m. Breakfast in Exhibit Hall

#### **SESSION 3:** COMMON SPINE TOPICS: DISC HERNIATION AND DDD **Moderators:** *Neel Anand, MD and Eli Baron, MD*

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7:30	Basilar Vertebral Nerve: A New Direction	Hyun Bae, MD
7:40	The Cellular Drivers of Disc Degeneration – What's New?	Ashish Diwan, MD
7:50	Surgical and Procedural Drivers of Disc Degeneration	Harvinder Sandhu, MD
8:00	Can We Recreate the Disc after a Discectomy?	Ashish Diwan, MD
8:10	When is Decompression Sufficient as Opposed to Decompression and Fusion Rick Fessler, MD	
8:20	Lumbo-sacral Fusion at the Bottom of a Long Construct:	
	ALIF in the Supine Position is the Best Way	Sigurd Berven, MD
	ALIF in the Lateral Position (OLIF) is More Efficient	Ron Lehman, MD
8:40	Panel Discussion	

CHALLENGING CASE DISCUSSION Moderators: J. Patrick Johnson, MD and Eli Baron, MD

Case Presentations - What Would You Do?			
8:50	Paul Santiago, MD		
9:00	Sigurd Berven, MD		
9:10	W. Lee Warren, MD		
9:20	Vincent Traynelis, MD		
9:30	Break in Exhibit Hall		

**SESSION 4:** FIT - FUTURE INNOVATIONS AND TECHNOLOGIES **Moderators:** *Hyun Bae, MD and Sang Kim, MD* 

10:10	The  Evolution  and  Changing  Landscape  of  ASC-based  Spine  Surgery	y Sanjay Khurana, MD	
10:20	There's an App for That	Robert Watkins Jr., MD	
10:30	Changing My Practice to an Exclusive Cervical Disc Replacement Practice	Armen Khachatryan, MD	
10:40	Implanted Stimulator of the Multifidus Muscle for LLP	Christopher Gilligan, MD	
10:50	Innovation in American Medicine: Lessons from Europe	Alexandre Rasouli, MD	
11:00	What's New in SI Joint Fixation	David Polly, MD	
11:10	Panel Discussion		
SESSION 5: DEFORMITIES			

Moderators: David Polly, MD and Terrence Kim, MD

Moderators. Davia Poly, MD and Perrence Kint, MD				
11:15	Anterior Fusion for Thoraco-Lumbar Scoliosis	Robert Bernstein, MD		
11:30	The Importance of Cervical Lordosis in One- and Two -level ACDF	Christopher Ames, MD		
11:45	How to Avoid PJK	Jens Chapman, MD		
12:00 p.m.	Lunch Lecture: Decision-making in Athletes with Spine Injuries	Robert Watkins, IV, MD		
12:45	Break in Exhibit Hall			
1:00-3:30	Breakout Sessions and Dry Labs Spine Nursing: We've Got Our RN's Back's Intro and Disc PRP Spinal Injections Acupuncture Pre-Operative Education Vitamin D and Bone Health Dry Lab Participation	Theodore Goldstein, MD Shelley Gray, RN Linda Lesley, RN Karen Fabac, RN Linda Kanim TBD		
2:30-3:30	Technique Videos & Discussion on Circumferential Minimally Inva Surgery for Adult Spinal Deformity	nsive Neel Anand, MD		
3:30-4:15	<b>Keynote Lecture:</b> The Importance of Alignment in Degenerative Cervical Disc Disease	Vincent Traynelis, MD		

4:15-6:00 p.m. Cocktail Reception for Faculty, Attendees, Guests and Vendor Partners

#### SATURDAY, FEBRUARY 10, 2018

#### 8:00 a.m. Breakfast in Exhibit Hall

SESSION 6: THE PAIN CHAIN Moderators: Michael Kropf, MD and Edward Nomoto, MD

8:30	The Psychology of Pain	Christopher Kong, MD
8:40	How to Weed Out Back Pain	Christopher Gilligan, MD
8:50	No Gain, No Pain with Chronic Opioid Therapy	Christopher Gilligan, MD
9:10	The Role of Pain Pumps and Spinal Cord Stimulators	Evish Kamrava, MD
9:20	Cedars-Sinai's Pre-Operative Pain Program: Successes and More Succe	sses Karl Wittnebel, MD
9:30	Opioid Use: The DEA's Perspective	Jayne Griffin, DEA
9:45	Panel Discussion plus Question and Answer with Faculty Panelists	
9:55	Break in Exhibit Hall	

#### SESSION 7: A NEW TWIST ON THE CLASSICS

Moderators: Hyun Bae, MD and Todd Lanman, MD, Edward Nomoto, MD

10:15	Posterior Facet Replacement		Rick Guyer, MD
10:25	Comparison of Therapies in Lumbar DDD: Network Meta-analysis of Randomized Trials		Jack Zigler, MD
10:35	Multiple-level Arthroplasty for Myelopathy		Hyun Bae, MD
10:45	If You Can't Do the Rehab – Don't Do the Spine Surgery in Professional Athletes		Robert G. Watkins Jr., MD
11:00	Today's Pearls: 4-D Health		Todd Lanman, MD
11:15	Closing Remarks	Theodore Goldstein	, MD and J. Patrick Johnson, MD
11:45 a.m.	Adjourn		

Conference Panelists: Steven Hochschuler, MD; Scott Blumenthal, MD, More TBD

## REGISTRATION

#### 17th Annual Symposium on Current Concepts in Spinal Disorders

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REGISTRATION FEES	PHYSICIAN	NON-PHYSICIANS	*RESIDENT/FELLOW
Received by January 14, 2018	\$ 625	\$ 385	\$ 195
Received after January 14, 2018	\$ 715	\$440	\$ 255

#### **ONLINE REGISTRATION**

Visit cedars-sinai.edu/spinecme.

#### **REFUND POLICY**

All cancellations must be submitted in writing, and refunds will be subject to a \$50 administrative charge. No refunds will be given in the final two weeks before the course.

Please email cancellation requests to cme@cshs.org. If you do not receive confirmation of your cancellation via email, please call 310-423-5548.

#### HOTEL ACCOMMODATIONS

The Bellagio Hotel 3600 S. Las Vegas Blvd. Las Vegas, NV 89109

A special group rate of \$179/night plus taxes is available until January 17, 2018. After this date, reservations will be accepted on a space- and rate-availability basis. Reservations are taken on a first-come, first-served basis.

Reservations can be made online at the Cedars-Sinai Spine Symposium Attendee Reservation Website, https://aws.passkey.com/e/49209008 or by calling 1-888-987-6667. Please reference the "Cedars-Sinai Spine Symposium" or the group code SCED0218.



## FACULTY

#### COURSE DIRECTORS

**Hyun Bae, MD** Director, Spine Fellowship Program Director of Spine Education Cedars-Sinai Spine Center

**Neel Anand, MD** Director, Spine Trauma Cedars-Sinai Spine Center

**Theodore B. Goldstein, MD** Co-Medical Director Orthopedics Cedars-Sinai Spine Center

#### J. Patrick Johnson, MD

Director, Neurosurgery Neurosurgery Spine Fellowship Co-Medical Director Cedars-Sinai Spine Center

#### GUEST FACULTY

**Christopher Ames, MD** Professor of Neurosurgery Director of Spine Tumor Surgery Director of Spinal Deformity University of California, San Francisco

Sigurd H. Berven, MD Professor in Residence Department of Orthopaedic Surgery Director of the Spine Fellowship and Resident Education Program Department of Orthopaedic Surgery University of California, San Francisco

Scott L. Blumenthal, MD Orthopaedic Surgeon Texas Back Institute

**Jens R. Chapman, MD** Orthopedic Spine Surgeon Swedish Neuroscience Institute

#### Ashish D. Diwan, PhD, FRACS, FAOrthA

Chief, Spine Service Department of Orthopaedic Surgery St. George Hospital Campus Director Bone Biology, Orthopaedic Research Institute Senior Lecturer & Post-graduate Coordinator St. George Hospital Clinical School University of New South Wales

**Richard G. Fessler, MD** Neurosurgeon Rush University Medical Center

#### Christopher Gilligan, MD, MBA

Chief, Division of Pain Medicine Department of Anesthesiology, Perioperative and Pain Medicine Brigham & Women's Hospital Assistant Professor of Anesthesiology Harvard Medical School

Jayne Griffin, DEA

Diversion Group Supervisor Department of Justice, Nevada

#### Richard D. Guyer, MD

Associate Clinical Professor of Orthopedics Department of Orthopedics University of Texas Southwestern School of Medicine President Texas Back Institute

#### **Stephen Hochschuler, MD** Chairman

Texas Back Institute

#### Armen Khachatryan, MD

Orthopedic Spine Surgery The Disc Replacement Center

#### Sanjay Khurana, MD, FACS

Spine Surgeon Medical Director Diagnostic and Interventional Spinal Care (DISC)

#### Ronald A. Lehman, Jr., MD

Professor of Orthopaedic Surgery, Tenure Chief Degenerative, MIS and Robotic Spine Surgery Director, Athletes Spine Center Director, Spine Research Co-Director, Adult and Pediatric Spine Fellowship Advanced Pediatric and Adult Deformity Service The Spine Hospital, New York-Presbyterian/The Allen Hospital

#### Isador H. Lieberman, MD

Director, Scoliosis and Spine Tumor Program Texas Back Institute

#### Frank M. Phillips, MD

Professor, Orthopedic Surgery Director, Division of Spine Surgery Rush University Medical Center

#### David W. Polly, Jr., MD

Professor and Chief of Spine Surgery Orthopaedics Department University of Minnesota Harvinder S. Sandhu, MD Associate Professor Hospital for Special Surgery

Paul Santiago, MD Associate Professor of Neurological and Orthopaedic Surgery Washington University School of Medicine Attending Neurosurgeon Barnes-Jewish Hospital

Vince Traynelis, MD Professor of Neurosurgery Rush University Medical Center

Robert Watkins, Jr., MD Orthopedic Spine Surgeon Co-Director, Marina Spine Center

Robert G. Watkins, IV, MD Co-Director, Marina Spine Center

W. Lee Warren, MD, FACS, FAANS Medical Director Advantage Orthopedics and Neurosurgery

**Jack Zigler, MD** Medical Director Chairman, Texas Back Institute

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