

# A SPECIAL INVITATION

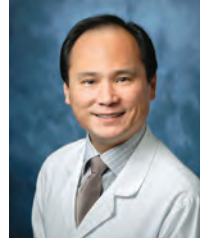
*“The great aim of education is not knowledge but action.”*

— Herbert Spencer



**RICK B. DELAMARTER, MD**

Co-Medical Director  
Cedars-Sinai Spine Center  
Vice Chair for Spine Services  
Department of Surgery  
Cedars-Sinai Medical Center



**JOHN LIU, MD**

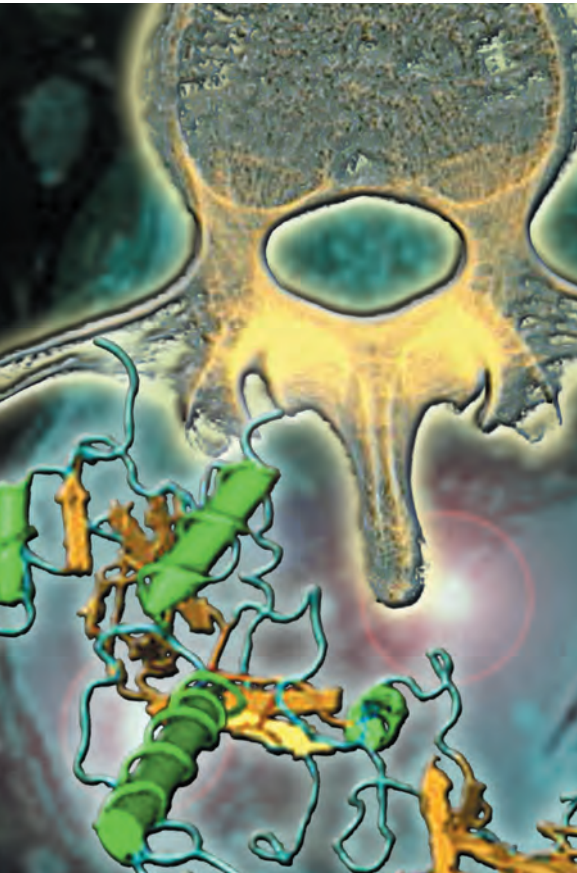
Co-Medical Director  
Cedars-Sinai Spine Center  
Vice Chair of Neurosurgery  
for Spine Services  
Department of Neurosurgery  
Cedars-Sinai Medical Center

We are pleased to announce the 2011 educational conference and lecture series developed and sponsored by the Cedars-Sinai Spine Center. These educational conferences include lectures and demonstrations on pertinent spine topics, such as conservative non-operative care, injections, pain management, radiographic imaging, osteoporosis and state-of-the-art spine surgeries.

The Spine Center is dedicated fostering an academic environment that allows the center's surgeons to share their breadth of expertise and knowledge with other surgeons throughout the world.

A highlight of our educational program in 2011 will be quarterly lectures by prestigious visiting professors of national and international acclaim who will give talks on Tuesday evenings and Wednesday mornings. In addition, our Spine Fellows will present interesting cases with open audience participation. Each event is a great opportunity to obtain continuing medical education credits, as well as academic and scientific benefit.

We are truly excited about this year's program and welcome your attendance.



## 2011 CLINICAL SYMPOSIA SERIES VISITING PROFESSORS

**Dan Riew, MD**

*Mildred B. Simon Distinguished Professor of Orthopaedic Surgery  
Professor of Neurological Surgery  
Washington University School of Medicine, St. Louis, Missouri*

**Edward Benzel, MD**

*Chairman, Neurological Surgery  
Cleveland Clinic, Cleveland, Ohio*

**Alexander Vaccaro, MD**

*Professor and Attending Surgeon of Orthopaedics and Neurosurgery  
Thomas Jefferson University Hospitals, Philadelphia, Pennsylvania*

# ACTIVITY INFORMATION

## COURSE DESCRIPTION

The clinical symposia provides lectures and case studies on spine-related topics relevant to spine surgeons, fellows, neuroradiologists, physiatrists, anesthesiologists and other healthcare professionals with interests in spinal care.

This activity is essential for the teaching of spine fellows, and provides a format to discuss specific cases that have relevance to spine care providers. A multidisciplinary approach is taken in the discussions of specific cases. General topics to be covered are spinal trauma, spinal deformity in adult and pediatric patients, degenerative lumbar disc disease, degenerative cervical disease, spine tumors, metabolic bone disease and pathogenesis of spinal disease. Invited speakers, as well as members and associates of the Cedars-Sinai Spine Center, will lecture on these topics.

## TARGET AUDIENCE

This conference is designed for orthopaedic surgeons, neurosurgeons, anesthesiologists, radiologists and specialists in pain management and rehabilitation. All other physicians and healthcare professionals are invited as well.

## EDUCATIONAL OBJECTIVES

1. Evaluate the new technologies, research diagnostic criteria and spine pathophysiology when managing patients with spinal disorders and spine diseases in order to determine the best practice options.
2. Through didactic and case presentations, enhance the diagnosis and management of spinal disorders, diseases and deformities, allowing better patient outcomes.

## ACCREDITATION

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

## CREDIT DESIGNATION

Cedars-Sinai Medical Center designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## POLICY ON DISCLOSURE

It is the policy of Cedars-Sinai to ensure balance, independence, objectivity and scientific rigor in all of its educational activities. In accordance with this policy, faculty members are asked to disclose any affiliation or financial interest that may affect the content of their presentation. This information will be available at the meeting.

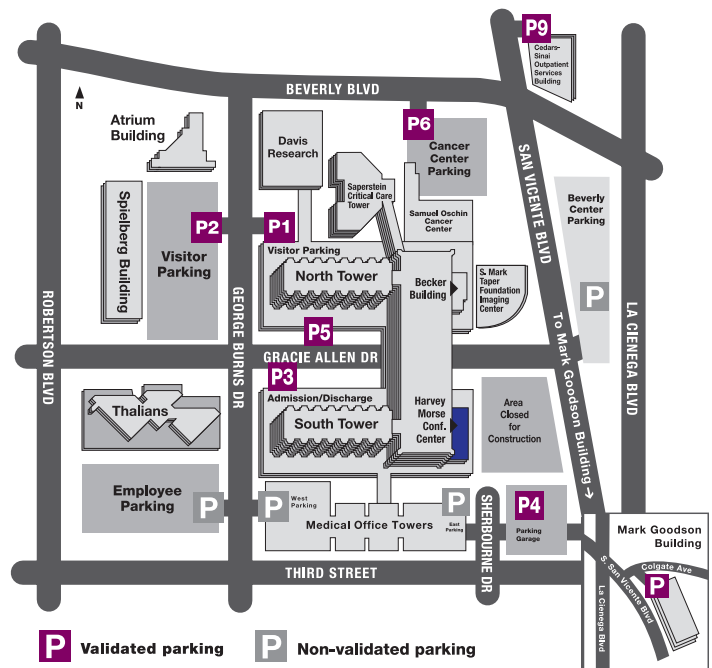


We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you.

## LOCATION

Unless otherwise noted, all events are to be held at:

**Harvey Morse Conference Center, Rooms 1 and 2**  
**South Tower, Plaza Level**  
**Cedars-Sinai Medical Center**  
**8700 Beverly Blvd., Los Angeles, California**



## SPINE CENTER LEADERSHIP

### Rick Delamarter, MD

Co-Medical Director  
Cedars-Sinai Spine Center  
Vice Chair for Spine Services  
Department of Surgery  
Cedars-Sinai Medical Center

### John Liu, MD

Co-Medical Director  
Cedars-Sinai Spine Center  
Vice Chair of Neurosurgery  
for Spine Services  
Department of Neurosurgery  
Cedars-Sinai Medical Center

## CEDARS-SINAI FACULTY

### Frank Acosta, MD

Director of Spine Deformity  
Department of Neurosurgery  
Cedars-Sinai Medical Center

### Neel Anand, MD, MCh Orth

Director, Orthopaedic Spine Surgery  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Thomas Apostle, DO

Physical Medicine and Rehabilitation  
Psychiatry  
Cedars-Sinai Medical Center

### Hyun W. Bae, MD

Orthopaedic Spine Surgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Eli Baron, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Jason Berkley, DO

Neurologist  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Timothy Davis, MD

Physiatrist  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Avrom Gart, MD

Director  
Pain Management and Rehabilitation  
Cedars-Sinai Medical Center

### Theodore Goldstein, MD

Orthopaedic Surgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Marshall L. Grode, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Gabriel Hunt, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Leonel Hunt, MD

Director, Spine Trauma  
Cedars-Sinai Orthopaedic Center  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### J. Patrick Johnson, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Stepan Kasimian, MD

Orthopaedic Surgeon  
Cedars-Sinai Medical Center

### Terrence Kim, MD

Orthopaedic Spine Surgeon  
Cedars-Sinai Medical Center

### Michael A. Kropf, MD

Orthopaedic Spine Surgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Todd Lanman, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Thomas Learch, MD

Chief, Musculoskeletal Radiology  
Cedars-Sinai Medical Center

### Michel Levesque, MD, FRCS, FACS

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Charles Louy, MD

Anesthesiologist  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Robert Naruse, MD

Anesthesiologist  
Cedars-Sinai Medical Center

### Roy Nini, MD

Physical Medicine and Rehabilitation  
Cedars-Sinai Spine Center

### Burak M. Ozgur, MD

Neurosurgeon  
Department of Neurosurgery  
Cedars-Sinai Medical Center

### Robert Pashman, MD

Orthopaedic Spine Surgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Orthopaedic Center  
Cedars-Sinai Medical Center

### Brian Perri, DO

Orthopaedic Spine Surgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Orthopaedic Center  
Cedars-Sinai Medical Center

### Alexander Rasouli, MD

Orthopaedic Spine Surgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### R. L. Patrick Rhoten, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Howard Rosner, MD

Medical Director, Pain Center  
Cedars-Sinai Medical Center

### Srinath Samudrala, MD, FACS

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Khawar Siddique, MD

Neurosurgeon  
Cedars-Sinai Spine Center  
Cedars-Sinai Medical Center

### Christopher J. Zarembinski, MD

Anesthesiologist  
Pain Center  
Cedars-Sinai Medical Center

## GUEST FACULTY

### Steven R. Garfin, MD

Professor and Chair  
Department of Orthopaedic Surgery  
University of California, San Diego  
San Diego, California

### Sheldon Jordan, MD

Neurology, Pain Management  
Neurological Associates of West L.A.  
Santa Monica, California

### Joonshik Shin, MD

Chairman  
Jaseng Hospital of Oriental Medicine  
Seoul, Korea

### Frederick Singer, MD

Director  
Endocrine/Bone Disease Program  
John Wayne Cancer Institute  
Santa Monica, California

### Orrin M. Troum, MD

Clinical Professor of Medicine  
Keck School of Medicine  
University of Southern California  
Los Angeles, California

### James Paul Watson, MD

Plastic and Reconstruction Surgery  
Co-Founder, University Stem Cell Center  
Co-Founder and Principal Investigator  
Biostrux, Los Angeles, California

# 2011 SCHEDULE



## MORNING LECTURE SERIES

One-hour talks starting at 7 a.m. every Wednesday (except the first Wednesday of the month).

Location:

Cedars-Sinai Medical Center  
Plaza Level, South Tower  
Harvey Morse Conference Center, Rooms 1 and 2  
8700 Beverly Blvd.  
Los Angeles, California

**Wednesday, January 12**  
State-of-the-Art Osteoporosis  
*Frederick Singer, MD*

**Wednesday, February 9**  
Surgical Treatment of Spine  
Conditions with Traditional  
Korean Medicine  
*Joonshik Shin, MD*

**Wednesday, February 23**  
Point-of-Care Adipose-Derived  
Stem Cell Therapy for Same-Day  
Use Intraoperatively for Spine  
Disease  
*James P. Watson, MD*

**Wednesday, March 9**  
Title to be announced  
*Dan Riew, MD*

**Wednesday, March 23**  
Multi-disciplinary Trauma  
Conference  
*Leonel Hunt, MD (Moderator)*

**Wednesday, April 13**  
Contemporary Management of  
Spinal Infections  
*Eli Baron, MD*

**Wednesday, May 11**  
Title to be announced  
*Orrin Troum, MD*

**Wednesday, June 8**  
SI Bone  
*Steven Garfin, MD*

**Wednesday, June 29**  
Diagnosis and Treatment of  
Thoracic Outlet and Piriformis  
Syndrome  
*Sheldon Jordon, MD*

**Wednesday, September 14**  
Title to be announced  
*Edward Benzel, MD*

**Wednesday, October 12**  
Multidisciplinary Trauma  
Conference  
*Leonel Hunt, MD (Moderator)*

**Wednesday, December 14**  
Title to be announced  
*Alexander Vaccaro, MD*

# CONCEPTS IN SPINAL DISORDERS

## RESEARCH MEETINGS

First Wednesday of every month, a review and discussion of Cedars-Sinai Spine Center's existing and upcoming research projects. For more information, call 310-423-9275.

## SPECIAL VISITING PROFESSORS EVENING EVENTS

Two-hour events start at 6 p.m. Location varies. Space is limited. To make reservations, please call (310) 423-9275 or register online at [www.cedars-sinai.edu/spine-series](http://www.cedars-sinai.edu/spine-series).

### Tuesday, March 8

Visiting Professor: Dan Riew, MD

### Tuesday, September 13

Visiting Professor: Edward Benzel, MD

### Tuesday, December 13

Visiting Professor: Alexander Vaccaro, MD

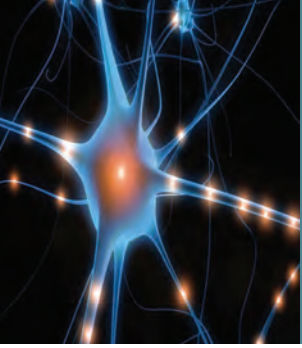
## TENTH ANNUAL WEEKEND SYMPOSIUM

### February 3-5, 2011

Cedars-Sinai sponsors 10th Annual Symposium on Current Concepts in Spinal Disorders  
Bellagio Hotel  
Las Vegas, Nevada

For additional information, visit [www.cedars-sinai.edu/cme](http://www.cedars-sinai.edu/cme) or call (310) 435-5548.





## A TRUSTED NAME IN SPINE CARE

The Cedars-Sinai Spine Center is an internationally recognized, comprehensive spine center dedicated to the evaluation, diagnosis and treatment of the entire spectrum of spinal column, spinal cord and nerve disorders. The center has implemented leading-edge technologies, such as artificial disc replacement, robot-assisted surgery and minimally invasive techniques for treatment of fractures and disc disease. The Spine Center also provides traditional treatment of common disorders, such as deformity and scoliosis, degenerative disc disease, herniated discs, metastatic and primary tumors, congenital abnormalities, trauma and axial skeletal pain.

For nearly a decade, the Spine Center has provided state-of-the-art care encompassing the entire discipline of operative and nonoperative spinal care. Physician office visits, radiographic imaging, physical therapy, nonoperative and postoperative care and surgery are all centrally located for patient convenience and continuity of care. For both the nonsurgical and surgical candidate, the center offers only the best in technology, experience and convenience.

## OUR EXPERT TEAM

The Cedars-Sinai Spine Center's board-certified surgeons and physician spine specialists encompass a wide range of spinal subspecialties, including orthopaedics, neurosurgery, anesthesiology and physical medicine and rehabilitation. Our surgical staff is composed of fellowship-trained, published, academic physicians who are leaders in the development of innovative research, new techniques and education for patients and the medical community. Extensive physician training supports improved outcomes and allows the center to manage even the most complex cases.

## COMPREHENSIVE SPINE SERVICES

**Conservative Management.** In cooperation with the Pain Center and the Department of Medical Rehabilitation at Cedars-Sinai, the Cedars-Sinai Spine Center offers comprehensive nonsurgical options in collaboration with

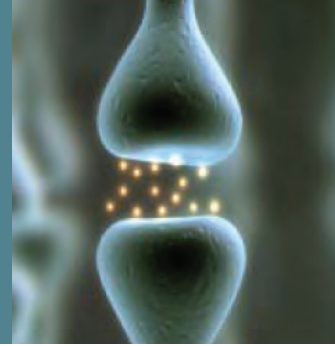
physiatrists, anesthesiologists, psychiatrists, psychologists, chiropractors and acupuncturists to treat acute and chronic pain, depression and insomnia. Adjunctive treatments are available at Cedars-Sinai's state-of-the-art Outpatient Rehabilitation Services facility, which is staffed by licensed physical therapists, physical therapy assistants and licensed occupational therapists.

**Surgical Services.** For adult and pediatric patients requiring more intensive treatment modalities for herniated discs, degenerative disc disease, deformities, scoliosis, fractures, primary and metastatic tumors, vascular malformations and congenital disorders, the Cedars-Sinai Spine Center offers the full range of treatment options, including minimally invasive artificial disc implementation with motion preservation, endoscopy, computer-aided stereotactic and neuronavigational technology, as well as standard surgical options. Percutaneous fusion techniques (through the skin with needle-size entry sites and minimal scarring) and minimally invasive treatment of fractures (kyphoplasty) are also available.

**Pediatric Services.** In cooperation with the Department of Neurosurgery and Cedars-Sinai Orthopaedic Center, the Cedars-Sinai Spine Center provides comprehensive spinal programs for both pediatric neurosurgery and orthopaedic disorders.

**Cancer/Oncology Services.** Cedars-Sinai is one of the leading tertiary centers in the United States for primary and metastatic spinal tumors. In conjunction with Cedars-Sinai's Samuel Oschin Comprehensive Cancer Institute, the Spine Center provides a multidisciplinary approach to cancer treatment. A tumor board is attended by the center's spinal surgeons, plastic and reconstructive surgeons and hematology/oncology physicians, encouraging an interactive relationship that promotes rapid identification and treatment. Surgical treatment, if indicated, seeks to preserve neurological function. In addition to providing conventional therapies, the Spine Center offers new technologies, such as minimally invasive spinal surgery and image-guided surgical navigation systems.

# SPINE CENTER



## WORLD-CLASS RESEARCH

Cedars-Sinai ranks among the top non-university hospitals nationwide receiving research funding from the National Institutes of Health. Cedars-Sinai Spine Center's Clinical and Basic Laboratory Research Center has enabled researchers to explore new horizons in path-breaking nonsurgical techniques to treat and repair spinal bones and discs.

Innovations pursued at the Spine Center include lumbar and cervical artificial disc replacement, motion preservation and dynamic stabilization, spinal biomechanics, tissue engineering, and image and computer guided/computer-assisted surgical techniques for greater accuracy and potential telemedicine applications. Our experts are also well-positioned to take a leading role in the functional evaluation of the wide array of emerging spinal technologies, including new artificial discs, dynamic stabilization devices, interspinous spacers, blood alternatives and less invasive fusion devices.

The Cedars-Sinai Spine Center is engaged in ongoing development of robot-assisted surgical systems and specialized imaging equipment that will markedly decrease the amount of radiation use, making surgery safer for both patients and surgeons.

In addition, the Spine Center is exploring new molecular biology therapy that may reverse traumatic cord injury, bone fusion substitutes such as bone morphogenetic proteins, and unique adult stem cell therapies for the repair and regeneration of spinal joints and tissues.

Our research programs provide Spine Center physicians and medical device manufacturers with critical information about the performance of novel technologies. Just as important, the results of these studies aid the development of new treatments and spinal devices. And, in the true spirit of "bench-to-bedside" research, these studies will enable the entire Spine Center team to work together toward better solutions for spinal disorders.

## STATE-OF-THE-ART EDUCATIONAL PROGRAMS

The Cedars-Sinai Spine Center is dedicated to sharing new technology and knowledge with the wider medical community. The center is intimately involved in teaching and training visiting surgeons with the latest techniques. Educational options include the Current Concepts in Spinal Disorders clinical symposia series and the annual multi-day conference, which offer presentations by 30 surgeons and physicians in various disciplines. The center's staff routinely publish in leading neurosurgical and orthopaedic journals. The Spine Center also offers a nationally recognized fellowship program, which accepts four new candidates per year who have successfully completed an orthopaedic or neurosurgical residency and desire to further advance their expertise.

The enriched teaching environment allows Cedars-Sinai Spine Center staff to share their expertise and experience, and to continually improve the quality of spine surgeons in both the private and academic arena. The result is a superior training setting that promotes both new technology and better patient care.

**For more information about the Cedars-Sinai Spine Center or the Clinical Symposia Series, please call (310) 423-9275, email [GroupSpineLectures@cshs.org](mailto:GroupSpineLectures@cshs.org) or visit us at [www.cedars-sinai.edu/spine](http://www.cedars-sinai.edu/spine).**

**For information about clinical cases and referrals, please call (310) 423-9900.**





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**2011 CLINICAL SYMPOSIA SERIES**

## **CURRENT CONCEPTS IN SPINAL DISORDERS**

Conferences for orthopaedic surgeons and neurosurgeons, fellows, residents, physicians and other back specialists interested in the surgical treatment of spinal disorders.

[www.cedars-sinai.edu/spine](http://www.cedars-sinai.edu/spine)

