Dear Colleague:

The 2012 educational spine conference and lecture series developed and sponsored by the Cedars-Sinai Spine Center will include lectures and demonstrations on relevant spine topics ranging from pain management, conservative non-operative care, radiologic imaging and trauma to cancer, research and stem cell advancements.

The Spine Center is dedicated to promoting an academic climate that allows our surgeons to share their breadth of expertise and knowledge with other surgeons throughout the world, and in turn receive valuable education from others.

Our visiting professors series by prestigious national and international surgeons provides talks on Tuesday evenings and Wednesday mornings. In addition, our spine fellows will present intriguing cases with open audience participation. Each event provides a great learning opportunity and continuing medical education credits to match the academic and scientific benefit.

We are truly excited about this year’s program and look forward to your attendance.

“An education isn’t how much you have committed to memory, or even how much you know. It’s being able to differentiate between what you know and what you don’t.”

— Anatole France

2012 CLINICAL SYMPOSIA SERIES
VISITING PROFESSORS

Todd J. Albert, MD
Richard Rothman Professor and Chair
Department of Orthopaedics
Professor of Neurosurgery
Thomas Jefferson University and Hospitals
Philadelphia, Pennsylvania

Richard G. Fessler, MD, PhD
Professor
Department of Neurosurgery
Feinberg School of Medicine
Northwestern University
Chicago, Illinois

Howard S. An, MD
The Morton International Professor
Director of Spine Surgery and
Spine Fellowship Program
Rush University Medical Center
Chicago, Illinois

Deuk Soo Jun, MD
Orthopaedic Surgeon, Spine Center
Professor of Gil Hospital and
Gachon University of Medicine and Science
Incheon, South Korea
**COURSE DESCRIPTION**

The clinical symposia provide lectures and case studies on spine-related topics relevant to spine surgeons, fellows, neuroradiologists, physiatrists, anesthesiologists and other health care 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 health care 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™. 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.

**LOCATIONS**

Unless otherwise noted, events are held at varying rooms on the Cedars-Sinai Medical Center campus, located at 8700 Beverly Blvd. in Los Angeles. Call (310) 423-9275 for more information.

**Harvey Morse Conference Center** is located on the Plaza Level. From the South Tower Street Level entrance, take the elevators to the Plaza Level.

**Room 2806** is located in the South Tower on the Plaza Level, near the Medical Library.

**The Ray Charles Cafeteria Conference Rooms** are located on the Street Level. From the South Tower street level entrance, follow signs to the cafeteria. Turn left in hallway just before entering the cafeteria’s food service area.
SPINE CENTER LEADERSHIP

Rick Delamarter, MD
Co-Medical Director
Cedars-Sinai Spine Center
Vice Chair for Spine Services
Department of Surgery
Cedars-Sinai

John Liu, MD
Co-Medical Director
Cedars-Sinai Spine Center
Vice Chair of Neurosurgery
for Spine Services
Department of Neurosurgery
Cedars-Sinai

Hyun Bae, MD
Co-Director
Spine Fellowship Program
Cedars-Sinai Spine Center
Cedars-Sinai

CEDARS-SINAI FACULTY

Eli M. Baron, MD
Neurosurgeon
Cedars-Sinai Spine Center
Cedars-Sinai

Harvinder Bedi, MD
Spine Fellow
Cedars-Sinai Spine Center
Cedars-Sinai

Earl W. Brien, MD
Director, Musculoskeletal Tumor Service
Cedars-Sinai Orthopaedic Center
Cedars-Sinai

Zorica Buser, PhD
Spine Tissue Engineering Laboratory
Department of Surgery
Cedars-Sinai

Timothy Davis, MD
Physiatrist
Cedars-Sinai Spine Center
Cedars-Sinai

Leon G. Fine, MD
Vice Dean of Research and
Research Graduate Education
Chair, Biomedical Sciences
Cedars-Sinai

Leone A. Hunt, MD
Director, Spine Trauma
Cedars-Sinai Spine Center
Cedars-Sinai Orthopaedic Center
Cedars-Sinai

Theodore B. Goldstein, MD
Orthopaedic Surgeon
Cedars-Sinai Spine Center
Cedars-Sinai

M. Kamran Khan, MD
Spine Fellow
Cedars-Sinai Spine Center
Cedars-Sinai

Marcel Maya, MD
Interventional Neuroradiologist
Director, Radiology Residency Program
S. Mark Taper Foundation Imaging Center
Cedars-Sinai

Melodie Metzger, PhD
Spine Biomechanics Laboratory
Cedars-Sinai Spine Center
Cedars-Sinai

Robert S. Pashman, MD
Orthopaedic Spine Surgeon
Cedars-Sinai Spine Center
Cedars-Sinai Orthopaedic Center
Cedars-Sinai

Brian Perri, DO
Orthopaedic Spine Surgery
Cedars-Sinai Orthopaedic Center
Cedars-Sinai

Alexandre Rasouli, MD
Orthopaedic Spine Surgeon
Cedars-Sinai Spine Center
Cedars-Sinai

Khawar Siddique, MD
Neurosurgeon
Cedars-Sinai Spine Center
Cedars-Sinai

Daniel J. Wallace, MD, FACP, FACR
Associate Director
Rheumatology Fellowship Program
Cedars-Sinai

FACULTY

Todd J. Albert, MD
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Northwestern University
Chicago, Illinois

Deuk Soo Jun, MD
Orthopaedic Surgeon, Spine Center
Professor of Gil Hospital and Gachon
University of Medicine and Science
Incheon, South Korea

Jonas Kuehne, MD
Medical Director
CryoHealthcare
West Los Angeles, California

Richard M. Pasicus, MD
Medical Director
Orange County Pain and Wellness
Santa Ana, California
GRAND ROUNDS

MORNING LECTURE SERIES
One-hour talks from 7 a.m. to 8 a.m. at Cedars-Sinai Medical Center, 8700 Beverly Blvd., Los Angeles. Room location varies by date (see schedule).

Wednesday, January 4, 2012
Room 2806
Current Concepts for the Treatment of Spinal Cord Injuries
Harvinder Bedi, MD, Spine Fellow
M. Kamran Khan, MD, Spine Fellow
Leonel A. Hunt, MD, Moderator

Wednesday, January 11, 2012
Room 2806
Innovative Opportunities for Bedside-to-Bench Research: the Cedars-Sinai Trajectory
Leon G. Fine, MD

Wednesday, January 18, 2012
Room 2806
Paradigm and Concept Changes in Spine Surgery
Richard G. Fessler, MD, PhD

Wednesday, February 8, 2012
Room 2806
Whole Body Cryotherapy
Jonas Kuehne, MD

Wednesday, February 15, 2012
Room 2806
Fibromyalgia: What Is it and Who Really Has it?
Daniel J. Wallace, MD, FACP, FACR

Wednesday, February 29, 2012
Ray Charles Cafeteria Conf. Room A
Treatment of the Thoracolumbar Fracture
Deuk Soo Jun, MD

Wednesday, March 14, 2012
Ray Charles Cafeteria, Conf. Room B
Avoiding and Managing Complications of BMP in Spine Surgery
Brian Perri, DO

Wednesday, March 21, 2012
Harvey Morse Rooms 1 & 2
Trauma Conference
Leonel A. Hunt, MD

Wednesday, April 11, 2012
Harvey Morse Rooms 1 & 2
Surgery for Failed Cervical Spine Surgery
Todd J. Albert, MD

Wednesday, May 9, 2012
Harvey Morse Rooms 1 & 2
Spine Center Research Core Lecture
Zorica Buser, PhD
Melodie Metzger, PhD

Wednesday, May 16, 2012
Harvey Morse Rooms 1 & 2
Whose Outcome Is it?
Theodore Goldstein, MD

Wednesday, June 13, 2012
Harvey Morse Rooms 1 & 2
Outpatient Spine Surgery: Results and Complications
Khawar Siddique, MD

Wednesday, June 20, 2012
Harvey Morse Rooms 1 & 2
Challenges with MIS TLIF
John C. Liu, MD

Wednesday, September 12, 2012
Harvey Morse Rooms 1 & 2
Tumors of the Spine: Surgical Treatment Techniques
Howard S. An, MD

Wednesday, September 19, 2012
Harvey Morse Rooms 1 & 2
Spine Imaging: What’s New?
Marcel Maya, MD
PRE-OP SPINE CARE CONFERENCES
Immediately preceding Wednesday morning lectures at 6:30 a.m., these thirty minute conferences are designed for peers to review upcoming surgeries. Call (310) 423-9275 for information.

RESEARCH MEETINGS
Research meetings are held the first Wednesday of every month. They consist of a review and discussion of Cedars-Sinai Spine Center’s existing and upcoming research projects. Call (310) 423-9275 for information.

VISITING PROFESSORS

SPECIAL EVENING EVENTS
These two hour events start at 6 p.m. Location varies. Space is limited; to make reservations, please call (310) 423-9275.

Tuesday, January 17, 2012
Update on the Geron “GEROPC1” Human Clinical Trial of Stem Cell Transplantation for Spinal Cord Injury
Visiting Professor: Richard G. Fessler, MD, PhD

Wednesday, February 29, 2012
Treatment of the Thoracolumbar Fracture
Visiting Professor: Deuk Soo Jun, MD, Korea

Tuesday, April 10, 2012
Measuring Value in Orthopaedic and Spinal Surgery
Visiting Professor: Todd J. Albert, MD

Tuesday, September 11, 2012
When Do Degenerative Conditions of the Spine Become Deformity?
Visiting Professor: Howard S. An, MD

ELEVENTH ANNUAL SYMPOSIUM:
CURRENT CONCEPTS IN SPINAL DISORDERS
February 2-4, 2012
Cedars-Sinai sponsors this spine symposium at the Paris Hotel in Las Vegas. For additional information, visit cedars-sinai.edu/cme or call (310) 423-9956.
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 non-operative spinal care. Physician office visits, radiographic imaging, physical therapy, non-operative 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 the 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.
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 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 or visit us at cedars-sinai.edu/spine.

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