

CURRENT CONCEPTS IN SPINAL DISORDERS

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

www.cedars-sinai.edu/spine



ACTIVITY INFORMATION

Course Description

The clinical symposia provides lectures and case studies on spine-related topics relevant to spine surgeons, fellows, neuroradiologists, psychiatrists, 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 Institute for Spinal Disorders, will lecture on these topics.

Target Audience

These conferences are designed for orthopedic surgeons and neurosurgeons, fellows and residents, physicians and back specialists interested in the surgical treatment of spinal disorders.

Educational Objectives

At the conclusion of this activity, participants should be able to:

- 1. Discuss the indications for treatment options in specific spine disorders
- 2. List the differential diagnoses for diseases of the spine
- 3. Describe nonoperative and specific operative treatments and their complications and outcomes
- 4. Categorize the indications for treatment of specific spine disorders
- Assess the developing technologies now available to treat spinal disorders

Accreditation

Cedars-Sinai Medical Center 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 educational activity for a maximum of 1.0 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

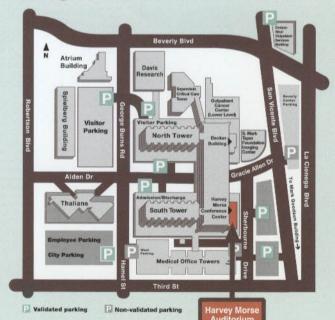
Policy on Disclosure

It is the policy of Cedars-Sinai Medical Center to ensure balance, independence, objectivity and scientific rigor in all of its educational activities. While Cedars-Sinai Medical Center endeavors to review faculty content, it remains the obligation of each physician or other healthcare practitioner to determine the applicability or relevance of the information provided from this course in his or her own practice.

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

Unless otherwise noted, all events to be held at:

Cedars-Sinai Medical Center 8700 Beverly Boulevard South Tower, Plaza Level Harvey Morse Conference Center, Room 6 Los Angeles, CA 90048



FACULTY

CEDARS-SINAI FACULTY

John Adams, MD Alfred J. Firestein Chair and Director Division of Endocrinology, Diabetes and Metabolism Director, Bone Center

Neel Anand, MD, Mch Orth Director, Orthopedic Spine Surgery Cedars-Sinai Institute for Spinal Disorders

Robert Bray, MD Founding Director Cedars-Sinai Institute for Spinal Disorders

Frederick Lerner, DC Co-Director, Integrative Medicine The Pain Center

Avrom Gart, MD Director, Physical Medicine and Rehabiliation Cedars-Sinai Institute for Spinal Disorders

Thomas Hedman, PhD Director, Biomechanics and Spinal Research Cedars-Sinai Institute for Spinal Disorders

Gabriel Hunt, MD Attending Neurosurgeon Maxine Dunitz Neurosurgical Institute

Leonel Hunt, MD
Director, Spine Trauma
Cedars-Sinai Institute for Spinal Disorders

J. Patrick Johnson, MD Director Cedars-Sinai Institute for Spinal Disorders

Robert Pashman, MD Director, Scoliosis and Spinal Deformity Cedars-Sinai Institute for Spinal Disorders

Brian Perri, DO Associate Director Cedars-Sinai Institute for Spinal Disorders

Gary Rosengarten, MD Health Psychologist The Pain Center

Howard Rosner, MD Medical Director The Pain Center Khawar Siddique, MD Associate Director Cedars-Sinai Institute for Spinal Disorders

Christopher Zarembinski, MD Director, Acute Pain Services The Pain Center

GUEST FACULTY

Christopher Ames, MD
Assistant Professor, Neurospinal Surgery
Co-Director, UCSF Spine Center
University of California, San Francisco
School of Medicine
San Francisco, California

Michael Fehlings, MD
Professor, Department of Neurosurgery
Medical Director, Krembil Neuroscience Program
University of Toronto
Toronto, Ontario, Canada

Richard Fessler, MD John Harper Seeley Professor and Chief Section of Neurological Surgery University of Chicago Chicago, Illinois

Dan Gazit, DMD, PhD
Professor
Head, Skeletal Biotechnology Laboratory
Director, Hebrew University Center for
Converging Sciences and Technologies
Hebrew University-Hadassah Medical Center
Jerusalem, Israel

Lawrence Lenke, MD
Jerome Gilden Professor of Orthopedic Surgery
Co-Chief, Pediatric and Adult Spinal,
Scoliosis, and Reconstructive Surgery
Co-Director, Residency Program
Department of Orthopedic Surgery
Washington University School of Medicine
St. Louis, Missouri

Alexander Vaccaro, MD, FACS
Co-Director, Regional Spinal Cord
Injury Center of Delaware Valley
Professor, Neurosurgery and Orthopedic Surgery
Thomas Jefferson University School of Medicine
Philadelphia, Pennsylvania

2006 SCHEDULE CURRENT CO



Wednesday, January 25

Skull Base Surgery and the Spine Christopher Ames, MD

Wednesday, February 8

Stem Cell Based Platforms for the Spine Dan Gazit, DMD, PhD

Wednesday, March 8

Special Evening Event: Blinderman Lecture in Spinal Surgery, 6-8 p.m. See next page for details

Wednesday, March 29

Correction of Sagittal Imbalance in Spinal Deformity Leonel Hunt, MD

Wednesday, April 19

Contemporary Management of Chiari Malformations

Gabriel Hunt, MD

Wednesday, May 17

Update on Pros and Cons of Lumbar Artificial Disc Replacement Robert Pashman, MD

Wednesday, May 31

Biologic Solutions to Degenerative Spine Diseases: The Future/Nonsurgical Repair and Prophylactic Treatment Strategies for the Intervertebral Disc

J. Patrick Johnson, MD Thomas Hedman, PhD

Wednesday, June 14

Post-Surgical Spine Rehabilitation Protocols Frederick Lerner, DC

Wednesday, June 28

The Lenke Classification System of AIS: Treatment Implications
Lawrence Lenke, MD

Wednesday, July 19

Discography Update Avrom Gart, MD

Wednesday, July 26

Treatment Options in Cervical Kyphosis Brian Perri, DO

Wednesday, August 16

Minimally Invasive Spine Surgery: Pearls and Techniques Robert Bray, MD

Wednesday, September 13

Cervical Spine Injection Techniques/ Pain Pumps and Spinal Cord Stimulators Christopher Zarembinski, MD Howard Rosner, MD

Wednesday, September 20

Minimally Invasive Surgery of the Cervical Spine: Pearls and Pitfalls Richard Fessler, MD

Wednesday, October 18

Posterior Nonfusion Stabilization Neel Anand, MD

Wednesday, October 25

Psychological Assessment of the Preoperative Spine Patient Gary Rosengarten, PhD

Wednesday, November 8

Treatment Options for Spinal Osteoporosis John Adams, MD

Wednesday, November 29

Current Concepts and Future Directions in the Management of Clinical Myelopathy Michael Fehlings, MD

Wednesday, December 13

Update on Postoperative Spine Pain Management Using Pain Pumps Khawar Siddique, MD

MORNING LECTURE SERIES

One-hour talks starting at 7 a.m., held at Cedars-Sinai Medical Center, 8700 Beverly Blvd., South Tower, Plaza Level, Harvey Morse Conference Center, Room 6.

ONCEPTS IN SPINAL DISORDERS:

SPECIAL EVENING EVENTS

Two-hour evening events starting at 6 p.m. Location varies. Space is limited; to guarantee a seat, please call (310) 423-9782 or register online at www.csmc.edu/spine-series.

Tuesday, February 7

BioSurgery for the Spine

Visiting Professor: Dan Gazit, DMD, PhD

Location to be announced

Tuesday, June 27

Pediatric and Adult Spinal Deformity Surgery - Are Anterior Releases Needed Anymore?

Visiting Professor: Lawrence Lenke, MD

Location to be announced

Tuesday, September 19

Economics of Minimally Invasive Spine Surgery

Visiting Professor: Richard Fessler, MD

Location to be announced

Tuesday, November 28

Repair and Regeneration of the Injured Spinal Cord: From Basic Science to Clinical Application

Visiting Professor: Michael Fehlings, MD

Location to be announced

BLINDERMAN LECTURE IN SPINAL SURGERY

Wednesday, March 8, 6-8 p.m.

Avoiding Medical Errors from the Spine Surgeon's Perspective

Visiting Professor: Alexander Vaccaro, MD, FACS

Special location: Cedars-Sinai Medical Center,

Harvey Morse Auditorium, Plaza Level, South Tower

FIFTH ANNUAL WEEKEND SYMPOSIUM

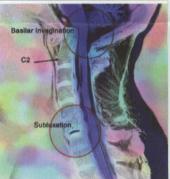
Friday-Saturday, February 3-4

Fifth Annual Symposium on Current Concepts in Spinal Disorders Mandalay Bay Hotel, Las Vegas, Nevada For information, call (310) 423-9782 or visit www.csmc.edu/spinesymposium

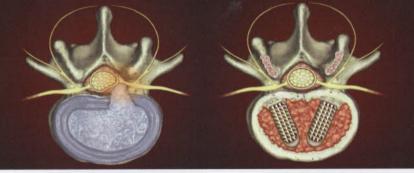
Note: schedule subject to change.

Please visit www.cedars-sinai.edu/spine-series for updates.









WHAT

A Trusted Name in Spine Care

Cedars-Sinai Institute for Spinal Disorders (CSISD) 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 Institute has implemented such cutting-edge technologies as artificial disc replacement, robot-assisted surgery, and minimally invasive techniques for treatment of fractures and disc disease. CSISD 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 skeleton pain.

For nearly a decade, CSISD 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, CSISD offers only the best in technology, surgical experience, convenience, care and outcomes.

Our Expert Team

Board-certified surgeons and nonsurgical physician spine specialists encompass all spinal subspecialities, including orthopedics, 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 training coupled with academic critical peer review supports improved outcomes and provides management of even the most complex cases. The CSISD's multidisciplinary approach allows patient streamlining from the referring physician office to CSISD.

Comprehensive Spine Services

Conservative Management. In cooperation with The Pain Center and the Medical Rehabilitation Program at Cedars-Sinai, CSISD offers comprehensive nonsurgical options with the collaboration and expertise of 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 registered occupational therapists.

Surgical Services. For adult and pediatric patients requiring more intensive treatment modalities for herniated discs, degenerative disc disease, deformity, scoliosis, fractures, primary and metastatic tumors, vascular malformations and congenital disorders, CSISD 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 Maxine Dunitz Neurosurgical Institute and the Orthopedic Center at Cedars-Sinai, CSISD provides comprehensive spinal programs for both pediatric neurosurgery and orthopedic disorders.

MAKES US DIFFERENT

Center is one of the leading tertiary centers in the United States for primary and metastatic spinal tumors. In conjunction with the Samuel Oschin Comprehensive Cancer Institute at Cedars-Sinai, CSISD provides a multidisciplinary approach to cancer treatment. A tumor board is attended by CSISD's spinal surgeons, plastic and reconstructive surgeons and hematology/oncology physicians, encouraging an interactive relationship that promotes rapid identification and treatment instigation. Surgical treatment, if indicated, aims to preserve neurologic function. In addition to providing conventional therapies, CSISD offers new technologies, such as minimally invasive spinal surgery (MISS) and imageguided 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 (NIH). CSISD's Clinical and Basic Laboratory Research Center has enabled researchers to explore new horizons. Innovations pursued at CSISD include lumbar and cervical artificial disc placement with motion preservation, a dynamic stabilization biomechanics research laboratory, tissue engineering, and image and computerguided/computer-assisted surgical techniques for greater accuracy and potential telemedicine applications. Current clinical trials for cervical and lumbar disc disease include artificial disc placement (prosthesis), blood alternatives, less invasive fusion devices and robot-assisted surgery.

CSISD is engaged in ongoing active development of robotic surgical systems and specialized imaging equipment that will markedly decrease the amount of radiation used in routine spine surgery, making surgery safer for patients and the surgeon.

CSISD researchers are also exploring new molecular biology therapy that may reverse traumatic cord injury, bone fusion substitutes like BMP, other stem cell research and more efficient modules for bony fusion that will mean less surgery, faster recovery periods and decreased blood loss.

State-of-the-Art Educational Programs

CSISD is dedicated to sharing new technology and knowledge with the wider medical community. The Institute is intimately involved in teaching and training visiting surgeons in the latest techniques. Educational options include Current Concepts in Spinal Disorders clinical symposia series and the annual multi-day conference, which offers presentations by thirty surgeons and physicians in various disciplines. CSISD staff routinely publishes in nationally recognized neurosurgical and orthopedic journals.

CSISD is dedicated to academic excellence, as evidenced by our nationally recognized fellowship program. The program accepts four new candidates per year who have successfully completed an orthopedic or neurosurgical residency and desire to further advance their expertise. Many graduates assume leadership roles at other major academic centers in the country.

The enriched teaching environment allows CSISD 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 new technology and better patient care.

For more information about the Cedars-Sinai Institute for Spinal Disorders or the Clinical Symposia Series, call (310) 423-9782, email CSISD@cshs.org or visit www.cedars-sinai.edu/spine.



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