

2nd Annual ONE Spine Master's Course

2014 Controversies in Spine Surgery

Friday, June 27, 2014

**Seattle Science Foundation
550 17th Avenue, Suite 600
Seattle, Washington 98122**



CONTINUING MEDICAL EDUCATION

CME

Co-sponsored by Seattle Science Foundation and Swedish Medical Center in collaboration with ONE Spine.



ONE Spine was founded to unify education and research among neurological and orthopedic surgeons. On June 27, 2014, we will once again gather many of the leading minds in orthopedic and neurological spine surgery for a day of candid debate and discussion at the Seattle Science Foundation on the Swedish/Cherry Hill Campus.

For the past few years, this meeting has presented the most current controversies in spine surgery. It is a favorite among the attendees due to the provocative topics and in-depth debates in an intimate setting with state-of-the-art-lab facilities. The agenda is designed to leave ample time for you to participate in the cadaver lab.

In addition to the CME-approved sessions, several leading spine companies will be on-hand to exhibit and demonstrate their latest technologies.

We hope that you'll review this brochure and join us in June!

Sincerely,



Rod J. Oskouian Jr., M.D., Course Chair

Course Description

Nationally recognized speakers will focus on provocative topics and in-depth debates. They will also provide hands-on workshops in state-of-the-art lab facilities. The design is to focus on the surgical treatment of current issues in the field, as well as provide opportunities to practice new surgical advances and techniques in the hands-on cadaver lab.

Needs Statement

Orthopedic and neurological surgeons are committed to the best outcomes for spine patients. Yet differences and divisions remain between the two specialties. The surgeons of ONE Spine are focused on building consensus and cooperation between orthopedic and neurological spine surgeons. Given the rapid innovative advancements in the field, there is a tremendous need for continued education. By educating physicians of the new surgical methods, equipment and procedures, the ONE Spine Master's course will optimize and unify education and research among neurological and orthopedic spine surgeons to improve patient care.



Intended Audience

The sessions are targeted to orthopedic surgeons and neurosurgeons who practice spine surgery in the United States.

Course Objectives

At the conclusion of this course, the participant will provide better patient care through an increased ability to:

- Discuss indications for salvage surgery for adult deformity surgery, address complication avoidance of adult deformity surgery, and review intraoperative rod maneuvering techniques.
- Describe the principle spinal and pelvic alignment parameters, detail the relationship between alignment parameters, preoperative symptoms and postoperative results. Analyze the classification criteria of the SRS-Schwab Adult Deformity Classification system and how to improve outcomes of adult deformity surgery.
- Review indications for osteotomies in deformity surgery, address how to manage complications of adult deformity surgery, discuss sacropelvic and sagittal restoration parameters with deformity surgery.
- Discuss classification of thoracolumbar spinal injuries, review indications for fusions with these injuries, and address complications associated with surgery.
- Describe how to avoid complications in lateral approaches to the spine, review the lumbar plexus and anatomy, discuss managing and avoiding vascular complications, and describe how to avoid bowel injury. Review the principles of deformity correction and address nerve injury in lateral approaches.
- Discuss the presentation and evaluation of spinal deformities, describe the location and patho-anatomy of rigid deformities, provide various treatment options for those patients requiring surgical intervention for kyphosis, and describe the outcome of the treatments provided to the patient population.
- Iterate the importance of pre-operative planning for spine surgery, discuss the benefits and limitations of robotics for spinal surgery, and develop an appreciation for the surgical work flow when using robotics during spine surgery.

Accreditation with Commendation

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

AMA PRA Category 1 Credits™

Swedish Medical Center designates this live activity for a maximum of 9 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Acknowledgments

This symposium is supported in part by educational grants in accordance with ACCME Standards. At the time of this printing, a complete listing of financial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the symposium.

Location/Directions/Parking

The Seattle Science Foundation is located on the sixth floor of the James Tower at Swedish Medical Center/Cherry Hill. From I-5 (northbound and southbound), take the James Street exit. James will become Cherry St. Travel east on Cherry St. to the intersection of Cherry and 16th Ave. Turn right (south) onto 16th Ave. Turn right into the entrance of the parking garage. Parking is available in the Cherry Hill Garage on 16th Ave at a maximum fee of \$16.50 per day.



Faculty

Paul Anderson M.D., M.S.

Professor in Orthopedic Surgery
University of Wisconsin

D. Kojo Hamilton, M.D.

Assistant Professor in Neurosurgery
Oregon Health & Science University

J. Patrick Johnson, M.D.

Director, Neurosurgery Spine Fellowship Program
Cedars-Sinai

John P. Kostuik, M.D.

Professor Emeritus of Orthopedics
John Hopkins University

Isador H. Lieberman, M.D.

Medical Director of the Scoliosis and Spine Tumor Center
Texas Back Institute

Rod J. Oskouian, Jr., M.D.

Director, Neurosurgery Fellowship Program
Swedish Neuroscience Institute

Paul Santiago, M.D.

Associate Professor, Neurosurgery and Orthopedic Surgery
Washington University School of Medicine

William R. Taylor, M.D.

Vice Chairman, Director of Spine Surgery
University of California San Diego

Theodore A. Wagner, M.D.

Clinical Professor in Orthopedics and Sports Medicine
University of Washington

Planning Committee

Rod J. Oskouian Jr., M.D., *Course Chair*

D. Kojo Hamilton, M.D.

Isador Lieberman, M.D.

Jeni Page, ARNP

Caye Boosalis, MEd

Linda Sahlin

Alexis Takasumi

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programs/one-spine-masters-course](http://seattle-science-foundation.org/programs/one-spine-masters-course)

Continuing Medical Education

SpineGuide

In line with our mission to provide clinical excellence in the treatment of neurological disorders through education, research, and innovation, the Spine Program at the Swedish Neuroscience Institute is proud to offer a wide range of continuing medical education opportunities to both primary care and specialized health-care professionals. Designed with today's busy physician in mind, our continuing medical education (CME) activities are available in a variety of formats.

- Featured CME Conferences
- Regularly Scheduled Series
- On Demand CME
- Archived CME Recordings
- Advanced Training – Complex and Minimally Invasive Spine Fellowship
- Primary Care Lecture Series

Program Highlights

National Leaders in Spine Surgery

Attendees receive hands-on experience from some of the nation's top spinal surgeons who volunteer their time to help educate residents, fellows and attending physicians.

Unifying Neurological and Orthopedic Surgeons

In collaboration with ONE Spine, our program is committed to developing programs that unify education and research among neurological and orthopedic spine surgeons in order to improve patient care.

Hands-On Cadaver Lab Training

The Seattle Science Foundation (SSF) was incorporated in 2006 to provide a venue for medical professionals to collaborate in a neutral setting. Having SSF co-located on the Swedish/Cherry Hill campus gives the Swedish Neuroscience Institute (SNI) a unique advantage for knowledge sharing.

SSF offers a state-of-the-art medical and technological facility. Its eight-station Bio Skills Lab is outfitted with operating room tables and lighting, which makes it an ideal venue for hands-on workshops for spine surgeons.

Upcoming CME Conferences

Below is a list of upcoming featured CME conferences. Visit us online at www.swedish.org/SpineCME to learn more.

Featured CME Conferences

AMA PRA Category 1 Credit™

May 15-16

Eighth Annual Cerebrovascular Symposium:
Controversies in Stroke and Cerebrovascular Disease

May 21

Seventh Annual Iris and Ted Wagner, M.D. Endowed
Lectureship

June 6, 2014

Update in the Care of the Acutely Ill Neurological Patient
Swedish Education Conference Center, Cherry Hill Campus

June 13, 2014

Intraoperative Neurophysiologic Monitoring
Swedish Education Conference Center, Cherry Hill Campus

Category II

August 15-17, 2014

Fifth Annual ONE Spine Residents and Fellows Course
Seattle Science Foundation

Regularly Scheduled Series

Below is a list of upcoming regularly scheduled series. Visit us online at www.swedish.org/SpineCME to learn more.

AMA PRA Category 1 Credit™

M&M Spine Conference

Last Wednesday, every odd month, 6:30-8 a.m.

Swedish Neuroscience Institute, Cherry Hill Campus

Neuroscience Grand Rounds

1st and 3rd Thursdays, monthly (except July, August and holidays), 7:30-8:30 a.m.

Swedish Education and Conference Center,
Cherry Hill Campus

Seattle Science Foundation Spine Conference Series

1st and 3rd Wednesday, monthly (except holidays),
6:30-8 a.m.

Seattle Science Foundation, Cherry Hill Campus

Category II

Primary Care Lecture Series – Comprehensive Management
of Acute Spinal Pain

Please call 206-320-3303 to schedule an onsite
presentation by one of our spine specialists.

Agenda

- 7:15 a.m. **Registration and Breakfast**
- 7:30 a.m. **Welcome and Introduction**
Rod J. Oskouian Jr., M.D.
- 7:35 a.m. **History of Deformity Surgery**
Honored Guest: John P. Kostuik, M.D.
- 8:15 a.m. **Pearls and Pitfalls of Image Guidance**
J. Patrick Johnson, M.D.
- 9 a.m. **Indications & Complications of Osteotomies of Adult Spinal Deformity**
Theodore A. Wagner, M.D.
- 9:45 a.m. **Break**
- 10 a.m. **Kyphosis Correction Techniques**
Paul Santiago, M.D.
- 10:45 a.m. **Robotic Assisted Spine Surgery**
Isador H. Lieberman, M.D.
- 11:15 a.m. **Should We Use Bone Morphogenic Protein**
Paul Anderson, M.D., M.S.
- Noon **Pick-Up Lunch**
- 12:15 p.m. **Working Lunch**
Thoracolumbar Spine Approaches
D. Kojo Hamilton, M.D.
- 1 p.m. **Complication Avoidance in Lateral Approaches to the Spine**
William R. Taylor, M.D.
- 1:45 p.m. **Break and Transition to BioSkills Lab**
- 2 p.m. **Hands-On Cadaver Lab**
Rod Oskouian Jr., M.D.; Paul Anderson, M.D., M.S.; D. Kojo Hamilton, M.D.; J. Patrick Johnson M.D.; Isador H. Lieberman M.D.; John P. Kostuik, M.D., Paul Santiago, M.D.; Theodore A. Wagner, M.D.

STATION 1 : Lateral Approaches

- Retroperitoneal approach lateral interbody fusion
- Transthoracic vs. retropleural approaches
- Retroperitoneal corpectomy
- Thoracic and lumbar lateral interbody fusion
- Anterolateral instrumentation
- Vertebral body replacement with expandable cage

STATION 2: Spinal Navigation, Thoracic Screw Placement, Lumbar And Sacral Salvage Techniques

- Sacral fixation options
- Lumbar pedicle screws
- Sacral pedicle screws (S1, S2 screws)
- Alar screws
- Lumbar instrumentation
- Pelvic instrumentation
- Spine navigation

STATION 3: Posterior Osteotomy Techniques, Spine Navigation and Thoracic Instrumentation

- Thoracic pedicle screws
- Osteotomies - PSO, Chevron, Smith Petersen
- Vertebral column resection
- Vertebral column manipulation
- Sacroiliac fusion
- Iliac instrumentation
- Spinal navigation

STATION 4: Occiput Fixation

- Occiput-subaxial constructs
- Cervical stabilization
- Cervical wires
- Salvage strategies in subaxial cervical spine
- Cervical osteotomy
- C1, C2 instrumentation
- Lateral mass screws
- Cervical laminar screws
- Cervical pedicle screws
- Cervicothoracic junction C7, T1 pedicle screws

STATION 5: Minimally Invasive Transforaminal Lumbar Interbody Fusion

- TLIF in lumbar spine
- MIS in thoracic spine
- Thoracolumbar percutaneous instrumentation
- Lumbar pedicle subtraction osteotomy

STATION 6: Robotic Spine Surgery

- Robotic assisted thoracic screw placement
- Robotic assisted planning
- Robotic spine surgery platform

STATION 7: Posterior Instrumentation Techniques and Vertebrectomy

- Costotransversectomy
- Thoracic Pedicle Screws (anatomic vs. straightforward)
- Lumbar pedicle screws
- Corpectomy (posteriorly)
- Posterior placement of expandable cage
- Thoracic & lumbar instrumentation
- VCR set & osteotomy instrumentation

5 p.m.

Adjourn

ONE Spine

Registration Information:

Preregistration is required as space is limited. Registration will only be processed when accompanied by full payment.

Cancellation:

To receive a refund, notice of cancellation must be received no later than **Friday, June 20, 2014.**

If using the registration form, please mail or fax it to:

Linda Sahlin
Seattle Science Foundation
550 17th Avenue, James Tower, 6th floor
Seattle, WA 98122
Fax: 206-732-6599
LindaS@SeattleScienceFoundation.org

If you have special needs, please call 206-732-6500.



Save time –
register online!

<http://seattlesciencefoundation.org/programs/one-spine-masters-course>

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Please print or type information

NAME _____ TITLE/CREDENTIALS _____

ADDRESS _____

CITY/STATE/ZIP _____

PHONE _____ FAX _____

E-MAIL _____

SPECIALTY _____

Registration Fees: Please check one of the following:

	Advance Registration	After June 20
M.D. or D.O.	☐ \$299	☐ \$329
Allied Health Professional	☐ \$245	☐ \$275
Resident or Fellow	☐ \$50	☐ \$50
Live Didactic Webinar (7:30 a.m.-1 p.m.)	☐ \$99	☐ \$99

Payment:

☐ Check enclosed, payable to: Seattle Science Foundation

☐ Credit card # _____

☐ VISA ☐ MasterCard ☐ Discover ☐ AMEX

Signature _____ Expiration date _____