



Third Annual ONE Spine Master's Course

2015 Controversies in Spine Surgery

Friday, June 26, 2015

Seattle Science Foundation
James Tower
550 17th Ave., Suite 600
Seattle, WA 98122

Honored guest speakers:

Jean Dubousset, M.D., and Lawrence G. Lenke, M.D.



ONE Spine was founded to unify education and research among neurological and orthopedic surgeons. On June 26, 2015, 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.

Last year, this meeting 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 one to participate in the cadaver lab.

In addition to, but separate from the CME-approved sessions, several leading spine companies will be available 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.,
and Jens R. Chapman, M.D.

About the course

Course description

This **ONE Spine** advanced training course is held for attending orthopedic and neurosurgeons, as well as allied health care providers and nurses who treat patients with spinal conditions. 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 focus is on the surgical treatment of current issues in the field, as well as providing 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, allied health care providers and nurses. Given the rapid innovative advancements in the field, there is a tremendous need for continued education. By educating providers 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, allied health care providers and nurses to improve patient care.

Intended audience

The sessions are targeted to orthopedic surgeons and neurosurgeons, and their allied health care providers who are practicing care of the spinal surgery patient in the United States.

Accreditation with commendation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Swedish Medical Center and Seattle Science Foundation. Swedish Medical Center is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™

Swedish Medical Center designates this live activity for a maximum of 8.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing contact hours

A total of 8.75 nursing contact hours will be provided by Swedish Medical Center Clinical Education and Practice, an approved provider of continuing nursing education by the Washington State Nurses Association Continuing Education Approval & Recognition Program (CEARP), an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Course objectives

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

- Describe the anatomy of the deformed spine
- Review spine corrective strategies
- Describe the three column spine principles
- Detail when surgery is indicated in degenerative adult scoliosis
- Describe considerations of surgery in an osteoporotic spine
- Review the presentation and evaluation of spinal deformities
- List various treatment options for those patients requiring surgical intervention for kyphosis
- Describe how to improve outcomes of complex spine surgery
- Outline the causes of surgical site infections and identify how to recognize one
- Explain the changes in surgical work-flow when using robotics during spine surgery
- Define the principles of deformity surgery
- Discuss principles of spine balance
- Identify indications for osteotomies in deformity surgery
- Describe how to identify and avoid complications with osteotomies, peri-operatively and post-operatively

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 and parking

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



Faculty

Paul Anderson M.D., M.S.

Professor, orthopedic surgery
University of Wisconsin

Jens R. Chapman, M.D.

Complex spine surgeon
Swedish Neuroscience Institute

Jean Dubousset, M.D.

Professor, orthopedic surgery
Paris University

D. Kojo Hamilton, M.D.

Visiting associate professor
Residency program director
University of Pittsburgh

J. Patrick Johnson, M.D.

Director, Neurosurgery Spine Fellowship Program
Cedars-Sinai Medical Center

John Kostuik, M.D.

Professor emeritus, orthopedics
Johns Hopkins University

Lawrence G. Lenke, M.D.

Jerome J. Gilden distinguished professor, orthopedic surgery
and professor, neurological surgery
Chief, spinal surgery
Washington University School of Medicine

Isador H. Lieberman, M.D.

Medical director, Scoliosis & Spine Tumor Center
Texas Back Institute

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

Spine fellowship director
Swedish Neuroscience Institute

Charles Sansur, M.D.

Assistant professor, neurosurgery
University of Maryland School of Medicine

Paul Santiago, M.D.

Associate professor, neurosurgery and orthopedic surgery
Washington University School of Medicine

Planning committee

Rod J. Oskouian Jr., M.D., *course co-chair*

Jens R. Chapman, M.D., *course co-chair*

D. Kojo Hamilton, M.D.

Isador H. Lieberman, M.D.

Jeni Page, ARNP

Caye Boosalis, M.Ed.

Linda Sahlin

Alexis Takasumi

Continuing medical education spine guide

In line with our mission to provide clinical excellence in the treatment of neurological disorders through education, research and innovation, the spine specialists at the Swedish Neuroscience Institute are 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
- On-demand CME
- Advanced training – complex and minimally invasive spine fellowship
- Regularly scheduled series
- Archived CME recordings
- 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 health care providers**
In collaboration with ONESpine, our program is committed to developing programs that unify education and research among neurological and orthopedic spine surgeons, allied health providers and nurses 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 the SSF co-located on the Swedish Cherry Hill campus gives the Swedish Neuroscience Institute a unique advantage for knowledge sharing.

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

For health care team members not actively participating in the hands-on lab experience, a live broadcast of the stations is available for educational observation.

Upcoming CME conferences

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

Feb. 7

Advanced Lateral Approaches to the Spine

April 17

Fifth Annual Multimodal Treatment of Spinal Tumors

May 15-16

Spine Trauma Summit

Non-accredited learning opportunities

Physicians may claim Category II credit toward Washington State relicensure.

Aug. 14-16

Sixth Annual ONE Spine Residents and Fellows Course

Regularly scheduled series

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

AMA PRA Category 1 Credit™

Swedish Neuroscience Institute Grand Rounds Series

7:30-8:30 a.m., first and third Thursdays of the month
Swedish Education Conference Center, Room B,
Cherry Hill

Seattle Science Foundation Spine Conference Series

6:30-8:30 a.m., first and third Wednesdays of the month
Seattle Science Foundation, Cherry Hill



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2015 Controversies in Spine Surgery

Agenda

- 7 a.m. **Registration and breakfast**
- 7:30 a.m. **Welcome and introduction**
Rod J. Oskouian, Jr., M.D.
- 7:35 a.m. **Spinal Deformity: Getting to a 3D Perspective**
Honored Guest: Jean Dubousset, M.D.
- 8:10 a.m. **Thoracolumbar Spine Approaches**
D. Kojo Hamilton, M.D.
- 8:45 a.m. **Management of Degenerative Adult Scoliosis and the Osteoporotic Spine**
Charles Sansur, M.D.
- 9:20 a.m. **Principles of Sacral and Pelvic Fixation**
Jens R. Chapman, M.D.
- 9:55 a.m. **Kyphosis Correction Techniques**
Paul Santiago, M.D.
- 10:30 a.m. **Pearls and Pitfall of Image Guidance**
J. Patrick Johnson, M.D.
- 11:05 a.m. **Prevention of Surgical Site Infection**
Paul Anderson, M.D., M.S.
- 11:40 a.m. **Pick up lunch (not accredited)**
- noon **Robotic Assisted Spine Surgery (working lunch)**
Isador H. Lieberman, M.D.
- 12:35 p.m. **History of Deformity Surgery**
John Kostuik, M.D.
- 1:10 p.m. **VCR, PSO and Osteotomies for Severe Scoliosis Correction: When and Which Procedure?**
Lawrence G. Lenke, M.D.
- 1:45 p.m. **Break and transition into bioskills lab**
- 2 p.m. **Hands-on cadaver lab/live broadcast**
- STATION one – D. Kojo Hamilton, M.D.**
Spinal Navigation, Thoracic Screw Placement
- Spine navigation
 - Thoracic pedicle screws (anatomic vs. straightforward)
 - Anterior versus posterior screw placement
- STATION two – Paul Santiago, M.D.**
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 three – John Kostuik, M.D., and Charles Sansur, M.D.**
Posterior Instrumentation Techniques and Vertebrectomy
- Costotransversectomy
 - Vertebrectomy
 - Corpectomy (posteriorly)
 - Posterior placement of expandable cage
 - Posterior thoracic and lumbar instrumentation
- STATION four – Isador H. Lieberman, M.D.**
Robotic Spine Surgery
- Robotic assisted thoracic screw placement
 - Robotic assisted planning
 - Robotic spine surgery platform
- STATION five – Lawrence G. Lenke, M.D.**
Posterior Osteotomy Techniques
- Osteotomies - PSO, chevron, Smith-Petersen
 - Vertebral column resection
 - Vertebral column manipulation
- STATION six – J. Patrick Johnson, M.D.**
Lateral Approaches
- Retroperitoneal approach lateral interbody fusion
 - Transthoracic vs. retropleural approaches
 - Retroperitoneal corpectomy
 - Thoracic and lumbar lateral interbody fusion
 - Anterolateral instrumentation
 - Lateral vertebral body replacement with expandable cage
- STATION seven – Paul Anderson, M.D., M.S.**
Minimally Invasive Transforaminal Lumbar Interbody Fusion
- Minimally invasive transforaminal lumbar interbody fusion
 - Minimally invasive surgery in thoracic spine
 - Thoracolumbar percutaneous instrumentation
- STATION eight – Jens R. Chapman, M.D.**
Lumbar and Sacral Salvage Technique
- Sacral fixation options
 - Lumbar pedicle screws
 - Sacral pedicle screws (S1, S2 screws)
 - Alar screws
 - Lumbar instrumentation
 - Pelvic instrumentation
- 5 p.m. **Adjourn**

For further information

Phone: 206-732-6500

Fax: 206-732-6599

Email: lindas@seattle-science-foundation.org

Web: www.seattle-science-foundation.org/programs/one-spine-masters-course

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 19.**

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

Linda Sahlin
Seattle Science Foundation
550 17th Ave.
James Tower, sixth floor
Seattle, WA 98122
Fax: 206-732-6599
lindas@seattle-science-foundation.org

If you have questions or special needs, please call 206-732-6500 and ask for Linda Sahlin or email her at lindas@seattle-science-foundation.org.



**Save time –
register online!**

www.seattle-science-foundation.org/programs/one-spine-masters-course

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Friday, June 26

Please print or type information

NAME

TITLE/CREDENTIALS

ADDRESS

CITY/STATE/ZIP

PHONE

FAX

EMAIL

SPECIALTY

Registration fees: Please check one of the following:

	Advanced Registration	After June 19
M.D./D.O.	☐ \$299	☐ \$329
Allied health professional	☐ \$245	☐ \$275
Nurse	☐ \$120	☐ \$150
Resident or fellow	☐ \$50	☐ \$50

Payment:

☐ Check enclosed, payable to: Seattle Science Foundation

☐ Credit card # _____

☐ VISA ☐ MasterCard ☐ Discover ☐ AMEX

Signature _____ Expiration date _____

PLEASE DETACH