



2ND ANNUAL SPINAL NAVIGATION EMERGING TECHNOLOGIES & SYSTEMS INTEGRATION COURSE

DECEMBER 9TH 2017
7:30AM-4:30PM

Seattle Science Foundation
550 17th Ave, Suite 600
Seattle, Washington 98122

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CME

CONTINUING
MEDICAL
EDUCATION

COURSE DESCRIPTION

The 2nd Annual Spinal Navigation, Emerging Technologies and Systems Integration Course is an advanced training course held for orthopaedic and neurosurgeons who treat spinal conditions. Nationally recognized speakers will focus on provocative topics and in-depth debates regarding spinal navigation and robotics application in spine surgery. They will also provide hands-on workshops in state-of-the-art lab facilities. The design is to gain knowledge and experience of the new modalities in spine surgery, addressing both the guidelines and controversies of the field, as well as attaining hands-on exposure and training in the cadaver lab.

NEEDS STATEMENT

As spine surgery and associated technology continues to rapidly advance, methods of improving patient outcomes through surgical interventions and peri-operative imaging modalities remain controversial. Due to the vast new technologies available, there remains a tremendous need for continued education in the training of current and future spinal surgeons regarding knowledge and surgical application in the field.

INTENDED AUDIENCE

This course is intended for neurosurgeons, orthopaedic surgeons, and allied healthcare professionals who treat surgical spinal conditions.

OBJECTIVES

By attending this course, the participant will provide better patient care through an increased ability to:

- Interpret the cost effectiveness of navigation in case studies
- Discriminate when and why navigation is needed
- Indicate when robotic assisted spine surgery is beneficial in spine
- Indicate the benefits of using a robotics system for surgery
- Illustrate the appropriateness and application of machine-vision image guided surgery
- Illustrate the possibilities in treatment with pain management
- Illustrate how human factors play a critical role including training and implementation
- Preview each lab station and what the technology is that is being highlighted
- Perform cadaveric procedures utilizing both image guidance and robotics

ACKNOWLEDGEMENTS

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 acknowledgement will be given to all supporters at the time of the symposium.

CME INFORMATION

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 7.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AGENDA 7:30 am - 4:30 pm

- **Part 1:** Image Guided Spine Surgery 8:10 am - 10:50 am
(Chair: J. Patrick Johnson, M.D.)
- **Part 2:** Emerging Technologies 10:50 am - 1:15 pm
(Chair: Rod Oskouian, Jr., M.D.)
- **Part 3:** Systems Integration 1:15 pm - 2:15 pm
(Chair: Ken Catchpole, M.D.)
- **Part 4:** Hands-on Experience 2:15 pm - 4:30 pm

HANDS-ON BIOSKILLS LAB ROTATIONS

Station 1: Image-Guided Open Navigation Platform

Station 2: Minimally Invasive + Percutaneous + PSIS Pin

Station 3: Minimally Invasive + Percutaneous

Station 4: Robotics In Spine Surgery

Station 5: Laminectomy, Facetectomy, Osteostomies Made Easy

Station 6: Exoscopes In Spine Surgery: Robotics

Station 7: Exoscopes In Spine Surgery: 3D

Station 8: Machine-Vision Image Guided Surgery

Station 10: Robotic Applications In Spine Surgery



FACULTY



Jordan Amadio, M.D.

Neurosurgeon
Emory University School of Medicine
Atlanta, Georgia



Jens Chapman, M.D.

Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington



David Elaimy

Athletics Coach
University of Washington
Seattle, Washington



Deep Guha, M.D.

Neurosurgeon
University of Toronto
Toronto, Ontario, Canada



J. Patrick Johnson, M.D.

Director, Institute for Spinal Disorders
Cedars-Sinai Medical Center
Los Angeles, California



Michel LeFranc, M.D.

Neurosurgeon
Amiens University Hospital
Amiens, France



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

Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington



Rajiv Sethi, M.D.

Departments of Neurosurgery & Orthopaedics
Virginia Mason Medical Center
Seattle, Washington



Hoan Tran, M.D.

Neurosurgeon
Franciscan Sports, Orthopedics & Spine
Health Center
Tacoma, Washington



Ken Catchpole, Ph.D.

Professor of Clinical Practice & Human Factors
Medical University of South Carolina
Charleston, South Carolina



Doniel Drazin, M.D.

Neurosurgeon
Swedish Neuroscience Institute
Seattle, Washington



Christopher Good, M.D., FACS

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David W. Polly, Jr., M.D.

Professor, Chief of Spine Surgery
University of Minnesota
Minneapolis, Minnesota



John Street, M.D., Ph.D.

Director of Integrated Ambulatory Spine
Program
Vancouver General Hospital
Vancouver, British Columbia, Canada





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REGISTRATION FORM

REGISTRATION INFORMATION:

Pre-registration is required as space is limited. The discounted "Advance Registration" deadline is Dec 1, 2017. Registrations will only be processed and confirmed when accompanied by full payment.

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

Seattle Science Foundation
550 17th Avenue, James Tower, Suite 600
Seattle, WA 98122
Fax: (206) 732-6599

Cancellation: To receive a refund, notice of cancellation must be received no later than Dec 1, 2017.

If you have special needs, please contact us at (206) 732-6500.



REGISTER ONLINE

www.seattlesciencefoundation.org

THE 2ND ANNUAL SPINAL NAVIGATION, EMERGING TECHNOLOGIES AND SYSTEMS INTEGRATION COURSE - DEC 9, 2017

Please print or type information.

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EMAIL _____

SPECIALTY _____

Registration Fees

	Advanced Registration	After Dec 1
M.D. or D.O.	___ \$250	___ \$280
Allied Health Professionals	___ \$150	___ \$180
Medical Student	___ \$50	___ \$50
Resident/Fellow	___ \$50	___ \$50

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