



SAINT LOUIS UNIVERSITY

Practical Anatomy & Surgical Education
3839 Lindell Boulevard
St. Louis, Missouri 63108-3413

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Practical Anatomy

Our Mission Statement: *Practical Anatomy & Surgical Education and Center for Anatomical Science and Education, Saint Louis University School of Medicine, is dedicated to the development and presentation of innovative medical health and science workshops. Practical Anatomy strives to promote the concept of lifelong learning by utilizing the latest technology to connect young people, residents, health care professionals and surgeons to world-class experts and faculty.*

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Contemporary Techniques in Minimally Invasive Cervical and Lumbar Spine Surgery
April 12-13, 2013 | <http://pa.slu.edu>

April 12-13, 2013 | St. Louis, Missouri

Contemporary Techniques in **Minimally Invasive** **Cervical and Lumbar** **Spine Surgery**

COURSE CO-DIRECTORS:

D. Greg Anderson, MD
Robert E. Isaacs, MD



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An offering through Practical
Anatomy & Surgical Education
Saint Louis University
School of Medicine

Register on-line at <http://pa.slu.edu>

Learn and practice the latest minimally invasive techniques

Utilizing the latest technology, this hands-on surgical anatomy course explores minimally-invasive techniques for the cervical and lumbar spine. Through hands-on experience with cadaveric specimens, you'll learn indications, minimally invasive techniques, potential complications, and rehabilitation protocols. Intensive skills labs provide ample time to practice lumbar spine techniques including MIS decompression, lateral interbody fusion PLIF/TLIF, and MIS pedicle screw fixation, as well as cervical spine techniques including cervical foraminotomy.

Friday, April 12, 2013

(7:30 am - 4:00 pm)

- ▶ Welcome and Course Overview
- ▶ Tribute to John McCulloch, MD, FRCSC
- ▶ Microsurgical Anatomy & MIS Access to the Lumbar Spine
- ▶ Far Lateral Disectomy: Anatomy and Approach
- ▶ Percutaneous Lumbar Pedicle Screw Techniques
- ▶ PLIF / TLIF: Concepts and Techniques for MIS
- ▶ XLIF: Technical Indications and Considerations
- ▶ Case Presentations/ Interactive Discussion
- ▶ **Hands-On Cadaver Laboratory Sessions**

MIS Decompression of the Lumbar Spine/Disectomy

Part I: Lateral Interbody Fusion

Part II: MIS Pedicle Screw Fixation

Saturday, April 13, 2013

(8:00 am - 4:30 pm)

- ▶ Literature Evidence for MIS
- ▶ Imaging Considerations for MIS Surgery
- ▶ Radiation Safety
- ▶ MIS for Selected Deformity Applications
- ▶ MIS for Selected Applications in Spinal Trauma
- ▶ Complications of MIS Surgery
- ▶ Cervical MIS Foraminotomy
- ▶ New Technologies – Looking to the Future
- ▶ **Hands-On Cadaver Laboratory Sessions**
 - Cervical Foraminotomy
 - Lumbar PLIF/TLIF
 - Minimally Invasive Percutaneous PLIF/TLIF
- ▶ Independent Learning – Continued Lab Sessions

COURSE CO-DIRECTORS

D. Greg Anderson, MD

Professor, Orthopaedic & Neurological Surgery
Thomas Jefferson University
Philadelphia, PA

Robert E. Isaacs, MD

Associate Professor of Neurosurgery
Director, Spine Surgery
Duke University School of Medicine
Durham, NC

FACULTY

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Miller School of Medicine
Miami, FL

Christopher Yeung, MD

Desert Institute for Spine Care, PC
Phoenix, AZ

Ken Yonemura, MD

Heiden Davidson Orthopedics
Wasatch Neurological Surgery
Bountiful, UT

This workshop will be held at the PASE Learning Center at 3839 Lindell Boulevard, St. Louis, MO 63108. Phone: (314) 977-7400 - Email: pa@slu.edu

Educational Objectives

This course is designed to give you the knowledge and skills to:

- Evaluate patients with spinal pathology and formulate a treatment plan, incorporating the indications and limitations of minimally invasive surgery.
- Compare and contrast various surgical treatment protocols for minimally invasive approaches and techniques.
- Describe possible complications of various cervical and lumbar procedures and how to avoid them.
- Compare and contrast techniques of minimally invasive with traditional open surgical approaches.
- Distinguish between or among the equipment alternatives necessary to perform minimally invasive spine surgery.
- Review anatomy of minimally invasive approaches.

Continuing Education: Saint Louis University School of Medicine designates this live activity for a maximum of 14 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Accreditation: Saint Louis University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The education the participant gains through our CME activities does not satisfy training requirements to perform the surgery.

Physician Fee:

\$1,895

Residents/Fellows/USA Military Fee:

\$1,295

(Letter of verification required)

Register on-line at <http://pa.slu.edu>

For further course information, please visit our website at <http://pa.slu.edu> and click on 2013 Spring Workshop Schedule, then select either Course Information, Brochure, or Register to the right of the selected course.