



SAINT LOUIS UNIVERSITY

Practical Anatomy & Surgical Education
3839 Lindell Boulevard
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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.



The 9th Annual CSRS (Cervical Spine Research Society)

Hands-On Cadaver Course:

Cervical Spine Decompression & Stabilization Techniques

February 18-20, 2016 | <http://pa.slu.edu>



The 9th Annual CSRS

(Cervical Spine Research Society)

Hands-On Cadaver Course:

**Cervical Spine
Decompression
& Stabilization
Techniques**

*Course Director:
Ronald A. Lehman, Jr., MD*

*Course Co-Director:
Jeremy Fogelson, MD*

*Course Advisor:
K. Daniel Riew, MD*

<http://pa.slu.edu>

February 18-20 • 2016
St. Louis, Missouri - USA



**SAINT LOUIS
UNIVERSITY**

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

Thursday, February 18, 2016

12:00 PM - 5:30 PM

- Vertebral Artery Injuries from Spine Surgery: How to Prevent, Expose and Treat
- Anterior Cervical Approach to C2-4 & C7-T3
- Anterior Cervical Fusion and Plating Techniques: Tips, Pearls, Avoiding ALOD, Length of Screws, Different Plate Types
- Dysphagia and Dysphonia/Post-op Hematoma Management & Emergency Cricothyroidotomy
- Odontoid Screw Fixation Techniques: Positioning, Retractors, Surgical Options
- Transoral Resection of Dens
- 3-D Demo: Anterior Cervical Fusion
- Hands-on Cadaver Lab: ACDF, Foraminotomy, Uncinate Resection, Exposure of the Vertebral Artery, Dissection of Hypoglossal, Glossopharyngeal, Recurrent Laryngeal, Superior Laryngeal Nerves, Digastric Muscle, Cricothyroidotomy, Transoral Resection, Fusion, Arthroplasty
- (Rotation) C- arm Lab: Odontoid Fixation

Friday, February 19, 2016

7:30 PM - 5:00 PM

- Pseudarthrosis Dx and Repair (L): Radiographic DX, Advantages/ Disadvantages of Treating Anterior vs Posterior
- Arthroplasty: Indications vs Fusion, Results, Currently Available Products
- Cervical Arthroplasty: Tips and Pearls of Various Implants
- Bone Graft Options: Allograft, Autograft, Cages: What Works Best?
- Hands-on Cadaver Lab continued: ACDF, Foraminotomy, Uncinate Resection, Exposure of the Vertebral Artery, Dissection of Hypoglossal, Glossopharyngeal, Recurrent Laryngeal, Superior Laryngeal Nerves, Digastric Muscle, Cricothyroidotomy/Transoral Resection, Fusion, Arthroplasty
- (Rotation) C- arm Lab: Odontoid Fixation
- Subaxial Lateral Mass and C7-T3 Pedicle Screw Fixation
- Cervical Dural Tears: Repair and Management
- 3-D Demo: Laminoplasty, Foraminotomy
- Hands-on Cadaver Lab: Dural Repair, Laminoplasty, Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws
- (Rotation) C1 -2 Transarticular/MIS Foraminotomy

Saturday, February 20, 2015

8:00 AM - 12:30 PM

- YODA- BMP Update/ Review
- C1 and C2 Posterior Fixation : C1 Lateral Mass
- C2 Pars /Pedicle /Translaminar
- C1-2 Transarticular
- Minimally Invasive Foraminotomy: Positioning, How to Place Tubes, Tricks and Pearls
- Hands-on Cadaver Lab: Dural Repair, Laminoplasty, Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws
- (Rotation) C1 -2 Transarticular/MIS Foraminotomy

Course Director

Ronald A. Lehman, Jr., MD

Professor of Orthopaedic Surgery
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***Faculty subject to change.
Visit our website for updates
(pa.slu.edu)**

REGISTRATION:

For Further Course Details and
REGISTRATION Click On
(or type in your internet browser) the
link below:

<http://pa.slu.edu>

This workshop will be held at the PASE
Learning Center located in Young Hall
3839 Lindell Boulevard
Saint Louis, MO 63108

EDUCATIONAL OBJECTIVES

Design:

The emphasis of this workshop is on surgical microanatomy and microdissection of the cervical spine. It will enhance the 3D anatomical knowledge of participants and sharpen their surgical skills of cervical decompression and stabilization techniques. There are very few hands on cadaver workshops available which encompass the scope of learning opportunities presented in this workshop, which included multiple variations of instrumentation and devices provided by medical industry for hands on use, and in addition-the opportunity to interact one on one with so many experts in this field.

Objectives:

- Review, describe the intricate anatomy of the uncinated process, and identify the relationship of nerve roots, the vertebral artery and foramen
- Review the techniques and perform under the guidance of experts, anterior and posterior surgical approaches to the cervical spine including
 - posterior decompression techniques including laminotomy, foraminotomy, laminoplasty, laminectomy and facetectomy
 - fusion techniques including occipital-cervical constructs, C1-2 transarticular fixation, subaxial wire and plating constructs
 - anterior decompression techniques including discectomy, foraminotomy and corpectomy
 - anterior fusion techniques including Smith-Robinson and strut grafting as well as subaxial plate, odontoid fixation and cages
 - transoral approach to dens resection
- Discuss surgical indications and complications management for the above procedures

Due to federal regulations, participants are not allowed to place products into the cervical spine that are not FDA-approved.

CREDIT DESIGNATION:

Saint Louis University School of Medicine designates this live activity for a maximum of 15.0 AMA PRA Category 1 Credit(s)TM.

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 (ACCME) 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.

TUITION FEES:

Physicians:\$1995
Residents/Fellows/USA Military:\$1295