10th Annual CSRS
(Cervical Spine Research Society)
Hands-on Cadaver Course:
Cervical Spine
Decompression & Stabilization Techniques

March 2-4, 2017 • St. Louis, Missouri • USA

Course Co-Directors:
Ronald A. Lehman, Jr., MD
Jeremy L. Fogelson, MD

Course Chairman:
K. Daniel Riew, MD

Midas Rex Training to be held on March 1, 2016
For workshop details, go to: http://pa.slu.edu

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

http://pa.slu.edu
Thursday, March 2, 2017 - 11:30 AM - 7:00 PM

- Anterior Cervical Approach to C2-4, C7-T3
- Anterior and Posterior Surgical Management of the Cervico-Thoracic Junction
- The Role of Cervical Sagittal Balance in Surgical Decision Making
- Cervical Arthroplasty: Indications vs Fusion, Results, Currently Available Products
- Transoral Resection of Dens/Odontoid Screw Fixation
- Cervical Osteotomies
- Case Presentations: Interactive Discussion of Complex Anterior Cervical Cases
- Questions and Answers
- Lab B Rotation: C-arm Lab: Odontoid Fixation

Friday, March 3, 2017 - 7:30 AM - 5:00 PM

- 3D Demonstration: Anterior Cervical Decompression
- Lab B: C-arm Rotation: Odontoid Fixation
- Cervical Pedicle and Lateral Mass Screw Fixation
- C1-2 posterior fusion
- Cervical Dural Tears Repair and Management
- C5 Palsy
- 3D Demonstration: Laminoplasty, Foraminotomy and Intralaminar Screws
- Questions and Answers
- Hands-On-Cadaver Lab Session: Posterior Procedures
  - Dural Repair, Laminaplasty, Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws
- Hands-On-Cadaver Lab Session: C-arm Rotation: Transarticular Fixation

Saturday, March 4, 2017 - 7:30 AM - 12:00 PM

- PIK: Proximal Junctional Kyphosis above Thoracolumbar Fusions, Cervical Spine Involvement
- DJK: Distal Junctional Kyphosis Below Cervical-Thoracic Fusions
- Timing of Surgery in Spinal Cord Injury
- The Role of Stand Alone Cages, Facet Fusion Devices
- Case Presentations: Interactive Discussion of Complex Posterior Cervical Cases
- Hands-On-Cadaver Lab Session: Posterior Procedures
  - Dural Repair, Laminaplasty, Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws

Course 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 uncincted process, and identify the relationship of nerve roots, the vertebral artery and foramen magnum.
  - 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 occiptal-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.

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.

Credit Designation:

Saint Louis University Designates this live activity for a maximum of 37.5 AMA PRA Category 1 Credit(s) ™.

REGISTRATION / TUITION FEES

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

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

Physicians should only claim credit commensurate with the extent of their participation in the activity.

Course Co-Directors:

- Ronald A. Lehman, Jr., MD
  - Professor of Orthopaedic Surgery
  - Chief, Degenerative/Minimally Invasive Surgery
  - Co-Director, Spine Fellowship
  - Director Clinical Spine Research
  - Department of Orthopedic Surgery
  - Columbia University/New York-Presbyterian New York, New York

- Jeremy L. Fogelson, MD
  - Assistant Professor
  - Department of Neurosurgery
  - Mayo Clinic
  - Rochester, NY

Course Chairman:

- K. Daniel Riew, MD
  - Professor, Co-Chief: Spine Division
  - Co-Director: Spine Fellowship
  - Department of Orthopedic Surgery
  - Columbia University Medical Center
  - New York-Presbyterian New York, NY

Invited Faculty:

- Howard S. An, MD
  - The Morton International Endowed Chair
  - Professor of Orthopaedic Surgery
  - Director, Division of Spine Surgery and Spine Fellowship Program
  - Department of Orthopaedic Surgery
  - Rush University Medical Center
  - Chicago, IL

- Darrell Brodkoe, MD
  - Louis and Janet Peery Endowed Chair
  - Professor, Vice Chairman
  - Department of Orthopaedics
  - University of Utah School of Medicine
  - Salt Lake City, UT

- Bradford L. Currier, MD
  - Professor of Orthopaedics
  - Department of Orthopedic Surgery, Division of Spine Surgery
  - Mayo Clinic
  - Rochester, MN

Bruce V. Darden II, MD
  - Fellowship Director
  - OrthoCarolina Spine Center
  - Charlotte, NC

Michael G. Fahlings, MD, PhD, FRS
  - Toronto Western Hospital
  - Toronto, Ontario, Canada

Wellington K. Hsu, MD
  - Clifford C. Raisbeck Distinguished Professor
  - Department of Orthopaedic Surgery
  - Northwestern University Feinberg School of Medicine
  - Chicago, IL

Sheeraz Qureshi, MD, MBA
  - Associate Professor, Orthopaedic Surgery
  - Spinal Surgery, Mount Sinai Hospital
  - Icahn School of Medicine at Mount Sinai
  - New York, NY

Paul Santiago, MD
  - Associate Professor
  - Department of Neurological and Orthopedic Surgery
  - Washington University School of Medicine
  - St. Louis, MO

Rick C. Sasso, MD
  - Indiana Spine Group
  - Carmel, IN

Todd J. Stewart, MD
  - Advanced Spine Institute
  - Neurological Surgery
  - St. Louis, MO

Faculty subject to change, for updates, please go to http://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 PSE Learning Center located in Young Hall, 3839 Lindell Boulevard, Saint Louis, MO 63108