Advanced Techniques in Cervical Spine Decompression and Stabilization

Hands-On Cadaver Course

Included is an Optional Midas Rex Certification session to be held on July 31, 2013 8:00 am - 2:00 pm, must be registered to attend.

COURSE DIRECTOR: K. Daniel Riew, MD

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

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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Advanced Techniques in Cervical Spine Decompression and Stabilization
August 1-3, 2013 | http://pa.slu.edu
Thursday, August 1, 2013
(1:00 pm - 6:00 pm)
- Anterior Cervical Approach to C2-4 & C7-T3
- Anterior Cervical Plating: Tips, Pearls, Avoiding ALOD, Length of Screws, Different Plate Types
- Arthroplasty: Indications vs. Fusion, Results, Currently Available Products
- Transoral Resection of Dens
- Post-op Hematoma Management & Emergency Cricothyroidotomy: How to Avoid and Treat
- Vertebral Artery Injuries from Spine Surgery: How to Prevent, Expose and Treat
- Dysphagia and Dysphonia: How I Prevent and Treat
- Radiation Safety
- Dural Tear: How I Prevent and Treat
- Esophageal Perforation
- Horner’s Syndrome: How to Avoid and Treat
- Cervical Pedicle and Facet Screw Fixation C3-6
- Minimally Invasive Foraminotomy: Positioning, How to Place Tubes, Tricks and Pearls
- Bone Graft Options: Allograft, Cages, Bone Marrow, Aspirate

Friday, August 2, 2013
(8:00 am - 4:00 pm)
- 3-D Demo: Anterior Cervical Decompression, Foraminotomy, Discetomy, Exposure of Vertebral Artery
- 3-D Demo: Anterior Corpectomy, Anterior Foraminotomy without Discetomy/Fusion, Bone Grafting Fusion
- How To Use The Microscope In The Lab
- Hands-on Lab-Dissection, Anterior Surgical Approach: ACDF, Foraminotomy, Uncinate Resection, Exposure of the Vertebral Artery, Dissection of Hypoglossal, Glossopharyngeal, Recurrent Laryngeal, Superior Laryngeal Nerves, Digastic Muscle, Cricothyroidotomy

Saturday, August 3, 2013
(8:30 am - 3:00 pm)
- 3-D Demo: Laminaplasty, Foraminotomy
- 3-D Demo: Lateral Mass screws C3-6
- 3-D Demo: C7, T1-3 Pedicle screws
- 3-D Demo: C1 lateral mass, C2 pedicle screws, Laminar Screws, Pars Screws Free Hand
- Hands-on Lab: Posterior Procedures

Laminaplasty, Foraminotomy, C1, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws, Arthroplasty

**COURSE CONTENT** Included is an Optional Midas Rex Certification session to be held on July 31, 2013 8:00 am - 2:00 pm, must be registered to attend.

**TUITION FEES:**
Physicians: $1995
Residents: $1195

**Early Bird Registration:**
Register by June 3, 2013 and save $200 off of the Physician Fee and $100 off of the Residents Fee. Not to be combined with any other discounts.

**REGISTRATION:**
Register on-line at [http://pa.slu.edu](http://pa.slu.edu)
Select: Continuing Medical Education
Select: 2013 Fall Workshop Schedule Find Course of Interest to gain access to complete course information. This workshop will be held at the PASE Learning Center at 3839 Lindell Boulevard, St. Louis, MO 63108

**LEARNING OBJECTIVES**
The emphasis of this workshop is on surgical microanatomy and microdissection of the cervical spine. It will enhance the 3-D anatomical review of participants and sharpen their surgical skills of cervical decompression and stabilization techniques. Participants will:

- Review and describe the intricate anatomy of the uncinate process, nerve roots, the vertebral artery and foramen
- Identify the relationship of the above to each other
- 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, 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 only allowed to place FDA-approved products into the cervical spine.

**CONTINUING EDUCATION**
Saint Louis University School of Medicine designates this live activity for a maximum of 14.25 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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Faculty subject to last minute changes.