

Endorsed by the American Association of Neurological Surgeons

The 15TH Advanced Techniques in

Cervical Spine Decompression & Stabilization

*Course Director: K. Daniel Riew, MD
Honored Guest: Henry Bohlman, MD*



August 1-2, 2008 St. Louis, MO USA

Medtronic Midas Rex Certification offered July 31, 2008



SCHEDULE & LECTURES

Schedule & Lectures

Course Objectives

The emphasis of this workshop is on surgical microanatomy and microdissection of the cervical spine. It will enhance the 3-D anatomical knowledge of participants and sharpen their surgical skills of cervical decompression and stabilization techniques. Participants will develop an excellent understanding of:

- the intricate anatomy of the uncinate process, nerve roots, the vertebral artery and foramen
- the relationship of the above to each other
- anterior and posterior surgical approaches to the cervical spine
- 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

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

Saint Louis University School of Medicine designates this educational activity for a maximum of 16.0 AMA PRA Category 1 Credit(s)[™]. See reverse side for CME details.



Schedule

Friday August 1, 2008

- 6:45 A.M. Registration and Continental Breakfast
- 7:15 A.M. Introduction and Welcome
- 7:30 A.M. Honored Lecturer: Vertebral Artery Injuries
- 7:50 A.M. Odontoid Fixation: Step-By-Step Technique
- 8:00 A.M. Questions and Answers
- 8:20 A.M. Cervical Arthroplasty: Metal on Metal Disc
- 8:30 A.M. Cervical Arthroplasty: Metal on Poly Disc
- 8:40 A.M. Questions and Answers
- 9:00 A.M. Break and Exhibits
- 9:15 A.M. 3-D Demonstration: Discectomy, Corpectomy
- 9:40 A.M. Introduction to Microscope
- 9:50 A.M. **Hands-On Lab: Discectomy, Corpectomy, Arthroplasty**
Hands-On Lab: Odontoid Fixation
- 12:00 P.M. Lunch/Lectures
 - 12:20 Announcements and Moderator
 - 12:30 Anterior Cervical Plating: Tips, Pearls
 - 12:40 Anterior Cervical Approach to C₂₋₄, C₇-T₃
 - 12:50 Participants Bring Cases for Discussion
- 1:00 P.M. Questions and Answers



Friday August 1, 2008 (Continued)

- 1:10 P.M. Pseudoarthrosis Diagnosis and Repair
- 1:20 P.M. Post-op Hematoma Management, Emergency Cricothyroidotomy
- 1:30 P.M. Dysphagia and Dysphonia
- 1:45 P.M. Dural Tear Management
- 1:55 P.M. Questions and Answers
- 2:15 P.M. Break and Exhibits
- 2:40 P.M. **Hands-On Lab: Fusion, Anterior Plating**
Hands-On Lab: Odontoid Fixation
- 5:00 P.M. Adjourn
- 7:00 P.M. Event Reception

Saturday August 2, 2008

- 7:00 A.M. Sign-In and Continental Breakfast
- 7:30 A.M. Introduction
- 7:40 A.M. Laminoplasty, Foraminotomy Video
- 8:00 A.M. Minimally Invasive Foraminotomy, Positioning, Technique
- 8:25 A.M. Anatomy of C₂ and Transarticular C₁₋₂ Fixation
- 8:35 A.M. C₁ Anatomy and C₁ Lateral Mass, C₂ Pedicle Fixation, C₂ Lamina Fixation
- 8:45 A.M. Occipito Cervical Fixation
- 8:55 A.M. Questions and Answers
- 9:05 A.M. Break and Exhibits
- 9:30 A.M. **Hands-On Lab: Foraminotomy, Laminoplasty**
Hands-On Lab: C₁ Lateral Mass and C₂ Screw Fixation
- 12:00 P.M. Lunch and Exhibits
- 12:40 P.M. Announcements
- 12:45 P.M. Radiation Safety
- 1:00 P.M. Lateral Mass Fixation C₅-C₆ (L)
- 1:10 P.M. Pedicle Screw Fixation C₇-T₃
- 1:20 P.M. Questions and Answers
- 1:50 P.M. Break and Exhibits
- 2:10 P.M. **Hands-On Lab: Posterior Fixation**
Hands-On Lab: C₁ Lateral Mass and C₂ Screw Fixation
- 4:45 P.M. Workshop Adjourns

Early Registration is recommended, space is limited.

For Information about upcoming workshops, visit our website at

<http://pa.slu.edu>

FACULTY

Faculty

Course Director

K. Daniel Riew, MD

Mildred B. Simon Distinguished Professor of Orthopaedic Surgery
Department of Orthopaedic Surgery, Professor of Neurological Surgery
Washington University School of Medicine, St. Louis, Missouri

Honored Guest

Henry H. Bohlman, MD

Professor, Department of Orthopedics
Case Western Reserve University School of Medicine
Director, University Hospitals Spine Institute, Cleveland, Ohio

Faculty

Dirk H. Alander, MD

Associate Professor, Department of Orthopaedic Surgery
Saint Louis University School of Medicine, St. Louis, Missouri

Paul A. Anderson, MD

Associate Professor, Department of Orthopedic Surgery
University of Wisconsin – Madison, Wisconsin

Jacob M. Buchowski, MD, MS

Assistant Professor of Orthopaedic and Neurological Surgery
Chief, Degenerative and Minimally Invasive Spine Surgery
Department of Orthopaedic Surgery
Washington University School of Medicine, St. Louis, Missouri

Jeffrey D. Coe, MD

Silicon Valley Spine Institute, Campbell, California
Medical Director, Center for Spinal Deformity & Injury, Los Gatos, California

John C. France, MD

Professor of Orthopaedic and Neurosurgery, West Virginia University
Morgantown, West Virginia

Alexander J. Ghanayem, MD

Associate Professor, Chief, Division of Spine Surgery
Department of Orthopaedic Surgery & Rehabilitation
Loyola University Chicago, Stritch School of Medicine, Maywood, Illinois

Alan S. Hilibrand, MD

Professor, Department of Orthopaedic Surgery
Thomas Jefferson University, Rothman Institute, Philadelphia, Pennsylvania

Ronald A. Lehman, Jr., MD

Assistant Professor of Surgery, USUHS
Director, Pediatric & Adult Spine
Director, Orthopaedic Research
Walter Reed Army Medical Center, Washington, DC

Terrence I. Piper, MD

St. Peters Bone & Joint Surgery, Director, Spine Division, St. Peters, Missouri
Assistant Clinical Professor of Orthopaedic Surgery
Washington University School of Medicine, St. Louis, Missouri

Glenn R. Rechtine, II, MD

Professor, Orthopaedic Spine Division, University of Rochester Spine Center,
Rochester, New York

Paul Santiago, MD

Assistant Professor, Department of Neurological Surgery
Washington University School of Medicine, St. Louis, Missouri

Tateru Shiraishi, MD

Professor, Department of Orthopaedics, Tokyo Dental College Ichikawa
General Hospital, Ichikawa, Chiba Japan

Todd J. Stewart, MD

Assistant Professor, Department of Neurological Surgery
Washington University School of Medicine, St. Louis, Missouri

Neill M. Wright, MD

Associate Professor, Departments of Neurological & Orthopaedic Surgery
Washington University School of Medicine, St. Louis, Missouri

Ken S. Yonemura, MD

Assistant Professor, Departments of Neurosurgery & Orthopedics
University of Utah, Salt Lake City

Paul H. Young, MD

Clinical Professor of Surgery, Division of Neurosurgery
Center for Anatomical Science & Education,
Saint Louis University School of Medicine, St. Louis, Missouri

Cervical Spine Decompression & Stabilization

PLEASE PRINT CLEARLY

Name _____

Degree _____ Specialty _____

Mailing Address _____

City _____

State _____ Postal Code _____ Country _____

Phone _____ Fax _____

E-mail _____ D.O.B. _____

All confirmations will be sent via email. Please print legibly. CME Tracking Requirement Course #P080108

Tuition Fees

\$2,075 Physician Fee

\$1,095 Fellows/Residents/USA Military Fee (Letter of Verification required)

Special Needs

Please indicate any special needs (i.e. dietary, etc.) _____

Method of Payment

Check enclosed made payable to Saint Louis University

Charge Visa Mastercard American Express Discover

Account Number _____ Exp. Date _____

Cardholder's Name _____

Cardholder's Address _____

City _____

State _____ Postal Code _____ Country _____

Signature _____

Mail completed registration to:

Practical Anatomy & Surgical Education, Attn: Course Coordinator, 3839 Lindell Blvd., St. Louis, MO 63108 USA
Phone: (314) 977-7400 **Fax:** (314) 977-7345 **E-mail:** pa@slu.edu **Website:** http://pa.slu.edu

General Information

Workshop Location

This workshop will be conducted at Practical Anatomy & Surgical Education located at 3839 Lindell Boulevard, St. Louis, Missouri 63108-3413

Cancellation Policy

Cancellations received three weeks prior to the course will be refunded less a 10 percent processing fee. The conference is not responsible for travel expenses incurred. In the event the conference is cancelled, the tuition fee and flight transfer fee (original receipt required) are reimbursable.

Please Note

If you have not received confirmation of registration prior to your departure, contact Practical Anatomy. Registration cannot be processed until full payment is received. Practical Anatomy is not responsible for expenses incurred by individuals who are not confirmed and paid-in-full.

Practical Anatomy workshops are now paperless! A copy of the syllabus will be made available via the Practical Anatomy website or on a self-contained CD. The content will include all available articles or presentation material submitted by the faculty.

Accommodations

For the convenience of our attendees, a block of discounted rooms has been set aside at the following hotels. Shuttle transportation will be provided between the hotel and workshop site each day.

Chase Park Plaza \$155 – One Bedroom Suite

212 N. Kingshighway, St. Louis, MO 63108
Phone: (877) 587-2427 Fax (314) 633-3003
Website: <http://www.chaseparkplaza.com>

Water Tower Inn at Saint Louis University – \$75

3545 Lafayette Ave., St. Louis, MO 63104
Phone: (314) 977-7500 Fax: (314) 977-7505
Website: <http://www.slu.edu/events/wti.html>

For information on alternative hotels, contact the course coordinator.

Make reservations directly with the hotel. Room reservations are NOT made through the Practical Anatomy office. Do not make airline reservations until you have received written confirmation of placement in the workshop.

Event Reception

A social event is planned for Friday, August 1, 2008. Participants are welcome to enjoy this event at no additional cost. If you wish to bring a guest, there will be an additional charge. Transportation will be provided from the conference hotels.

Medtronic Midas Rex Certification Hands-on Workshop

Medtronic Workshop is available free of charge to course registrants on Thursday, July 31, 2008. If you would like to participate in this workshop, please complete and return the Medtronic Midas Rex registration form that will be sent with your registration confirmation.

For information about upcoming workshops, visit our website at
<http://pa.slu.edu>

Practical Anatomy & Surgical Education

Mission Statement

Practical Anatomy and Surgical Education, of the 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.



Upcoming Events

Current and Emerging Issues in Complex Lumbar Spine Surgery November 6-8, 2008

Continuing Education

Faculty Disclosure Policy

It is the policy of Saint Louis University School of Medicine to insure balance, independence, objectivity and scientific rigor in its continuing medical education program. Faculty participating in these activities are required to disclose to the audiences prior to the activity the following: (1) The existence of any significant financial or other relationship with the manufacturer of any commercial product or provider of any commercial service discussed. (2) Their intention to discuss a product that is not labeled for the use under discussion. (3) Their intention to discuss preliminary research data.

Validation of Content

Saint Louis University School of Medicine follows the ACCME policy of Validation of Content for CME activities which requires that

- All recommendations involving clinical medicine must be based on evidence that is accepted within the profession of medicine as adequate justification for their indication and contraindications in the care of patients.
- All scientific research referred to, reported or used in CME in support or justification of a patient care recommendation must conform to the generally accepted standards of experimental design, data collection and analysis.

Saint Louis University School of Medicine will review this activity's disclosures and resolve all identified conflicts of interest, if applicable.

Continuing Education

Saint Louis University School of Medicine designates this educational activity for a maximum of *16.0 AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This course has been designated as Level 1 (Verification of Attendance) of the AMA's Credit Designation for New Procedures and Skills. Completion of this course does not certify the participant in their proficiency of the skills.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are *eligible for AMA PRA Category 1 Credit(s)*[™].

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 American Association of Neurological Surgeons

attests that this educational activity has been recognized for co-sponsored/endorsement for a maximum of *16.0 AMA PRA Category 1 Credit(s)*[™] of the AANS's Continuing Education Award in Neurosurgery.