CONSIDERATIONS IN

CERVICAL
& LUMBAR
SPINE SURGERY

HANDS-ON CADAVER WORKSHOP

*for PAs, NPs, Nurses
and other interested Healthcare
Professionals*

OCTOBER 25-27, 2018
ST. LOUIS, MISSOURI, USA

http://pa.slu.edu

Course Director
Christopher Hemmer, DNP, ANP

SAINT LOUIS ✠ **UNIVERSITY**™

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

Thursday, October 25, 2018

11:30 AM - 5:00 PM
➢ Introduction and Welcome

Breakout Sessions

➢ Group A - Introduction to Suturing and Wound Closure Demonstrations and Hands on Suture Practice with Cadaveric Specimens
For Participants looking for a refresher or new to assisting in the OR
• Various Basic Interrupted Suturing Techniques
• Suture and Needle Types

➢ Group B - Spine 101:
Basic Overview Designed for Those New to Spine or Need a Refresher on Surgical Procedures and Techniques
Group B - Cervical Spine: Anatomy, Assessment with Clinical Correlation, Imaging Studies

➢ Group A - Advanced Techniques in Wound Closure Demonstrations and Hands on Suture Practice with Cadaveric Specimens
• Subcuticular Closure
• Deep Wound/Layered Closure Techniques
• Latest Wound Closure Devices

➢ Group B - Lumbar Spine: Anatomy, Assessment with Clinical Correlation, Imaging Studies

➢ Honing Physical Assessment Skills for Spine Pathology and Disorders – Interactive Lab
• Physical Exam, Reflexes
• Specialized Testing
• NL and ABNL Findings to be Discussed

Friday, October 26, 2018

7:00 AM - 6:30 PM
➢ Introduction and Announcements
➢ Radiographic Studies of the Lumbar and Cervical Spine: Abnormal vs Normal
➢ Q and A
➢ Case Presentations:
• Spondylolisthesis
• DDD
• Central Canal Stenosis
➢ Considerations for Surgery/ Approaches and Techniques for Posterior Lumbar Spine Surgery
➢ Discussion of Cases- Interactive Responses
➢ Cadaver Demonstration: Posterior Approach and Lumbar Decompression
➢ Hands-on Lab-Dissection: Posterior Anatomy, Approaches, Decompression
➢ Cadaver Demonstration: Pedicle Screw Placement
➢ Hands-on Lab-Dissection: Pedicle Screw Placement
➢ Indications and Techniques for Approaches to the Anterior Column:
• Anterior
• Transpsoas
➢ Radiation Safety
➢ Welcome Reception

Saturday, October 27, 2018

7:00 AM - 4:00 PM
➢ Case Presentations:
• DDD with HNP
• DDD
• Myelopathy
➢ Treatment and Considerations for Surgery of the Anterior Cervical Spine Surgery
➢ Interactive Discussion of Cases
➢ Peri-Operative Complications and Management
➢ Cadaver Demonstration: Anterior Approach to the Cervical Spine/ ACDF
➢ Hands-on Lab-Dissection: Anterior Cervical Anatomy, Approach, Decompression and Fusion
➢ Case Presentations with Surgical Considerations for:
• Posterior Discectomy
• Posterior Laminectomy for OPLL/ Myelopathy
• Keyhole Laminar Foraminotomy
➢ Treatment Options for Posterior Cervical Spine Pathology
➢ Interactive Discussion of Cases
➢ Cadaver Demonstration: Posterior Cervical Decompression and Instrumentation
➢ Hands-on Lab-Dissection: Decompression, Laminectomy, Fusion/ Stabilization Techniques

Course Director

Christopher Hemmer, DNP, ANP
Piper Spine Care
Assistant Professor
Saint Louis University School of Nursing
St. Louis, MO

Faculty

Gregory R. Cizek, MD
Assistant Professor, Radiology
Chairman, Department of Radiology
Des Peres Hospital
Excel Imaging
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Ian Dorward, MD
Assistant Professor
Department of Neurological Surgery
and Orthopaedic Surgery
Washington University School of Medicine
Barnes-Jewish Hospital
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Joanne Kern, PhD, DNP, APRN, ANP, BC
Assistant Professor of Nursing
Coordinator Adult and Gerontology
Primary Care Nurse Practitioner Concentration
Catherine McAuley School of Nursing /
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Comprehensive Spine Service
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Howard M. Place, MD
The Richard J. Kemme Endowed Professor in Orthopaedic Surgery
Professor and Interim Chairman
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Glenn R. Rechtine, MD
Spine Surgeon
Charles George VA Medical Center
Asheville, NC
Adjunct Professor, University of South Florida

Mark Rivkin, DO
Neurosurgeon
SSM Health Neurosciences
SSM Health St. Clare Hospital
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Daniel J. Scodary, MD
North County Neurosurgery
Bridgeton, MO

Todd J. Stewart, MD
Neurological Surgery
Advanced Spine Institute
Missouri Baptist Medical Center
St. Louis, MO

Faculty subject to change, for updates go to http://pa.slu.edu

EDUCATIONAL OBJECTIVES
• Perform basic interrupted suturing techniques, subcuticular and deep wound closures
• Discuss suture and needle types and indications for use
• Review and describe basic spinal anatomy and pathologies and significant surgical anatomy of the cervical and lumbar spine
• Describe assessment techniques for the cervical and lumbar spine patient and perform physical exam skills in the lab
• Review surgical approaches and fusion techniques for the cervical and lumbar spine
• Study spinal imaging techniques and review normal and abnormal results to enhance interpretation skills
• Perform anterior/posterior cervical and posterior lumbar decompression and fixation procedures on the cadaver specimen enhancing abilities to anticipate the needs of both the patient and the surgeon.
• Participate in interactive case discussions of patients with spinal pathologies

CONTINUING EDUCATION
RN's, NP's and PA's are an integral part of healthcare today. Integrating these professionals with MD's and other ancillary healthcare workers provides collaborative approach to caring for patients. Continuing education is the key to providing the tools necessary for this collaboration which in turn delivers comprehensive healthcare in a cost-effective manner that best meets the needs of the patients and practices.
More thorough patient teaching, greater anticipation of surgeon needs, knowledge based intra operative assistance, and better overall peri-operative care is optimal, and achieved through hands on continuing education.

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 School of Medicine designates this live activity for a maximum of:

PART I Only: *4.5 AMA PRA Category 1 Credit(s)™.*
PART II Only: *15.25 AMA PRA Category 1 Credit(s)™.*
FULL COURSE: *19.75 AMA PRA Category 1 Credit(s)™.*

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

This activity has been submitted to the Association of Peri Operative Registered Nurses, Inc. for approval to award contact hours. The Association of Peri Operative Registered Nurses, Inc. is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. Activities that are approved by AORN are recognized as continuing education for registered nurses. This recognition does not imply that AORN or the ANCC Commission on Accreditation approves or endorses any product included in the presentation.