11th Annual CSRS
(Cervical Spine Research Society)

ADVANCED TECHNIQUES IN
Cervical Spine Decompression
& STABILIZATION
Hands-on Cadaver Course

Course Directors:
Rick C. Sasso, MD
Vincent C. Traynelis, MD

Guest Speakers:
Giuseppe Barbagallo, MD
Asdrubal Falavigna, MD, PhD

Saint Louis University School of Medicine

An offering through:
Practical Anatomy & Surgical Education, Department of Surgery

http://pa.slu.edu
**COURSE SCHEDULE:**

**Thursday, April 12, 2018**  
11:30 AM - 6:00 PM  
- Anterior Cervical Approach to C2-4, & C7-T3  
- 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  
- Case Presentations: Interactive Discussion of Complex Anterior Cervical Cases  
- Questions and Answers  
- C arm Lab: Odontoid Fixation  
- Welcome Reception/Exhibits

**Friday, April 13, 2018**  
7:30 AM - 5:00 PM  
- 3D Demonstration: Anterior Cervical Decompression  
- Hands-on Cadaver Lab: Anterior Surgical Approach continued: ACDF, Foraminotomy, Uncinate Resection, Exposure of the Vertebral Artery, Dissection of Hypoglossal, Glossopharyngeal, Recurrent Laryngeal, Superior Laryngeal Nerves, Diagastic Muscle, Cricothyroidotomy/Transoral Resection, Fusion, Arthroplasty  
- C arm Rotation: Odontoid Fixation  
- Anterior and Posterior Surgical Management of the Cervico-Thoracic Junction  
- Cervical Pedicle and Lateral Mass Screw Fixation  
- C1-2 Posterior Fusion  
- Cervical Dural Tears Repair and Management  
- C5 Palmy  
- 3D Demonstration: Laminoplasty, Foraminotomy and Intralaminar Screws  
- Questions and Answers  
- Hands-on Cadaver Lab: Posterior Procedures, Dural Repair, Laminoplasty, Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws  
- C arm Rotation: Transarticular Fixation

**Saturday, April 14, 2018**  
7:30 AM - 12:00 PM  
- PKJ: Proximal Junctional Kyphosis above Thoroar Lumbar Fusions, Cervical Spine Involvement  
- DIK: 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: Posterior Procedures, Dural Repair, Laminoplasty, Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7, Lateral Mass Screws, C7-T3 Pedicle Screws

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**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

**TUITION FEES:**
- Physicians: $1595  
- Residents/Fellows/USA Military: $995  

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

**EDUCATIONAL OBJECTIVES**
- Review and describe the intricate anatomy of the uncinate process, nerve roots, the vertebral artery and foramen and identify their relationship 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: laminotomy, foraminotomy, laminoplasty, laminectomy, and facetectomy  
  - fusion techniques including occipital-cervical constructs, C1-2 fixation, subaxial screw and rod constructs  
  - anterior decompression techniques including discectomy, foraminotomy, corpectomy  
  - anterior fusion techniques including interbody and corpectomy 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

**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 14.75 AMA PRA Category 1 Credit(s)™.  
Physicians should only claim credit commensurate with the extent of their participation in the activity.

**COURSE DIRECTORS:**
- **Rick C. Sasso, MD**  
  Professor, Chief of Spine Surgery  
  Department of Orthopaedic Surgery  
  Indiana University School of Medicine  
  Indiana Spine Group  
  Indianapolis, IN
- **Vincent C. Traynelis, MD**  
  Professor and Vice Chairman  
  Department of Neurosurgery  
  Rush University Medical Center  
  Chicago, IL

**GUEST SPEAKERS:**
- **Giuseppe Barbagallo, MD**  
  Associate Professor of Neurosurgery  
  Azienda Ospedaliero-Universitaria Policlinico “G. Rodolico” University Hospital  
  Catania, Italy
- **Asdrubal Falavigna, MD, PhD**  
  Chair of AOSpine Latin American Board  
  Dean of Medical School  
  Department of Neurosurgery  
  Caixas do Sul University  
  Rio Grande do Sul, Brazil

**INVITED FACULTY:**
- **Darrel Brodke, MD**  
  Louis and Janet Peery Endowed Chair Professor, Vice Chairman  
  Department of Orthopaedics  
  University of Utah School of Medicine  
  Salt Lake City, UT
- **Bruce Darden II, MD**  
  Fellowship Director  
  OrthoCarolina Spine Center  
  Charlotte, NC
- **Michael Daubs, MD**  
  Professor, Department of Surgery  
  Chief, Division of Orthopaedic Surgery  
  University of Nevada School of Medicine  
  Las Vegas, NV
- **Ian Dorward, MD**  
  Assistant Professor  
  Department of Neurological Surgery  
  Washington University School of Medicine  
  Barnes-Jewish Hospital  
  St. Louis, MO

**FACULTY:**
- **Michael Fehlings, MD, PhD, FRSCSC, FACS, FCAHS**  
  Professor of Neurosurgery  
  Halbert Chair in Neural Repair and Regeneration  
  Vice Chair, Research, Department of Surgery  
  University of Toronto  
  Head, Spinal Program  
  Toronto Western Hospital, University Health Network  
  Toronto, Ontario, Canada
- **John Heller, MD**  
  Baur Professor of Orthopaedic Surgery, Fellowship Director  
  Department of Orthopaedic Surgery  
  Emory University School of Medicine  
  The Emory Spine Center  
  Atlanta, GA
- **Wellington Hsu, MD**  
  Clifford C. Raisbeek Distinguished Professor  
  Department of Orthopaedic Surgery  
  Northwestern University Feinberg School of Medicine  
  Chicago, IL
- **Michael Kelly, MD, MS**  
  Assistant Professor  
  Department of Neurological Surgery  
  Washington University School of Medicine  
  St. Louis, MO
- **Wilson Ray, MD**  
  Assistant Professor, Neurosurgery and Orthopaedic Surgery  
  Department of Neurological Surgery  
  Washington University School of Medicine  
  Barnes-Jewish Hospital  
  St. Louis, MO
- **John Rhee, MD**  
  Associate Professor  
  Department of Orthopaedic Surgery  
  Emory University School of Medicine  
  Emory Spine Center  
  Atlanta, GA
- **Todd Stewart, MD**  
  Advanced Spine Institute  
  Neurological Surgery  
  St. Louis, MO
- **Alexander Vaccaro, MD**  
  Thomas Jefferson University Hospital  
  & Rothman Institute  
  Philadelphia, PA
- **Neill M. Wright, MD**  
  Herbert Louri Professor Surgery  
  Professor of Neurological and Orthopaedic Surgery  
  Department of Neurological Surgery  
  Washington University School of Medicine  
  St. Louis, MO