



**September 14-16, 2017**

St. Louis, Missouri • USA

Midas Rex Training September 13, 2017

**LSRS** *Advanced Hands-On Cadaver Course*

# Innovative & Advanced Surgery of the Degenerative & Deformed Lumbar Spine



**Course Directors:**

***Paul M. Arnold, MD, FACS***

***Jonathan N. Grauer, MD***

SAINT LOUIS



UNIVERSITY.

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

<http://pa.slu.edu>



## COURSE CO-DIRECTORS

### Paul M. Arnold, MD, FACS

Vice-Chairman for Research  
Department of Neurosurgery  
Special Graduate Faculty  
Department of Preventive Medicine and Public Health  
Distinguished Professor of Orthopedics  
University of Kansas  
Kansas City, KS  
Southwest Hospital of the Third Military Medical  
University  
Chongqing, China

### Jonathan N. Grauer, MD

Professor, Vice Chair of Clinical Research and Director  
of Information Systems  
Department of Orthopaedics and Rehabilitation,  
Yale University School of Medicine  
New Haven, CT

## INVITED FACULTY:

### Michael D. Daubs, MD

Professor, Department of Surgery  
Chief, Division of Orthopaedic Surgery  
University of Nevada School of Medicine  
Las Vegas, NV

### Charla R. Fischer, MD

Associate Professor of Orthopedic Surgery  
Director of Quality and Patient Safety, Spine Division  
Department of Orthopaedic Surgery  
NYU Langone Medical Center  
New York, NY

### James S. Harrop, MD, FACS

Professor  
Departments of Neurological and Orthopaedic  
Surgery  
Director, Division of Spine and Peripheral Nerve  
Disorder  
Thomas Jefferson University  
Jefferson Medical College  
Philadelphia, PA

### Michael P. Kelly, MD, MSCI

Assistant Professor  
Department of Orthopaedic Surgery  
Adult/Pediatric Scoliosis and reconstructive Spinal  
Surgery  
Assistant Professor of Neurological Surgery  
Washington University School of Medicine  
St. Louis, MO

### Howard M. Place, MD

Professor and Vice-Chairman  
Department of Orthopaedic Surgery  
Saint Louis University School of Medicine  
St. Louis, MO

### Sheeraz Qureshi, MD, MBA

Associate Professor, Orthopaedic Surgery  
Minimally Invasive Spinal Surgery  
Mount Sinai Hospital  
Icahn School of Medicine  
New York, NY

### Paul Santiago, MD

Associate Professor of Neurological  
and Orthopaedic Surgery  
Department of Neurological Surgery  
Washington University School of Medicine  
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### Jonathan Sembrano, MD

Associate Professor  
Department of Orthopaedic Surgery  
University of Minnesota  
Minneapolis, MN

### Harvey E. Smith, MD

Assistant Professor of Orthopaedic Surgery  
Department of Orthopaedic Surgery, Neurosurgery  
University of Pennsylvania  
Philadelphia, PA

### Todd J. Stewart, MD

Neurological Surgery  
Advanced Spine Institute  
Missouri Baptist Medical Center  
St. Louis, MO

### Juan Uribe, MD, FAANS

Associate Professor  
Department of Neurosurgery and Brain Repair  
USF Health  
Tampa General

## Thursday, September 14, 2017

11:30 AM - 5:45 PM

### Spondylolisthesis

- Case Presentation- Grade 1 Degenerative L4-5 Slip
- Decompression +/- Posterior Instrumentation
- TLIF
- Lateral Interbody Fusion
- Discussion
- Case Presentation and Treatment of Grade 1 Isthmic Slip: TLIF vs A/P
- Case Presentation and Treatment of High Grade Isthmic Slip
- Discussion
- Cadaver Demonstrations:
  - Decompression with Bone Scalpel
  - MIS Screws
  - MIS Screws with Navigation
- Hands-On Laboratory:
  - Decompression Procedures with Bone Scalpel
- Hands-On Laboratory:
  - MIS Pedicle Screws / Navigation
- Exhibits / Non- CME Promotional Showcase  
(Lab Session Details on Registration Site)
- Faculty –Participant Case Discussion

## Friday, September 15, 2017

7:00 AM - 5:00 PM

### Interbody Fusion

- Case Presentation: Degeneration/ Post Discectomy with Predominately Back Pain with Isolated Level of Disc Collapse L4-5
- Posterior Interbody
- ALIF
- Far Lateral
- Discussion
- Cortical vs Pedicle Screws
- Cadaver Demonstration:
  - MIS TLIF
  - Cortical Screws
- Hands-On Laboratory:
  - Dural Repair
  - TLIF
- Hands-On Laboratory:
  - MIS TLIF with Navigation
  - Cortical Screws
- Exhibits / Non- CME Promotional Showcase  
(Lab Session Details on Registration Site)

## Complications

- Case Presentation: Lumbar Scoliosis with Stenosis
- Lumbar Scoliosis with Stenosis: When to Fuse Short and When to go Long
- Pelvic Fixation and Techniques
- Far Lateral Techniques
- Discussion
- Cadaver Demonstration:
  - Far Lateral
  - Pelvis Fixation – Iliac and S2 A1
- Hands-On Laboratory:
  - Pelvic Fixation
- Hands-On Laboratory:
  - Far Lateral Techniques
- Faculty –Participant Case Discussion

## Saturday, September 16, 2017

7:30 AM - 5:00 PM

### Tumor/Trauma

- Case Presentation of Kyphosis Case
- Review of Alignment
- Indications for Osteotomies and Review of Options
- Discussion
- Cadaver Demonstration:
  - PSO
  - 3-Column Osteotomy

## 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

Physician Fee.....\$1725  
Resident /Fellow fee.....\$1095

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

## 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 13.5 AMA PRA Category 1 Credit(s)™.

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