The University of South Florida
The Department of Neurosurgery & Brain Repair

6th Annual Cahill Spine Symposium

May 7th-8th 2020
Tampa, Florida

Course Overview: This course will provide both didactic and hands on instruction in open and lateral spinal procedures. Lectures will review the technique for thoracolumbar instrumentation, pelvic instrumentation, lateral interbody approach and the spectrum of osteotomies. Including anterior column release (ACR). Attendees will cannulate thoracic and lumbar pedicles, place pelvic instrumentation, complete both posterior column osteotomies and three column osteotomies.

Learning Objectives: At the conclusion of this course, participants will demonstrate an advanced understanding of techniques used in pedicle cannulation, pelvic instrumentation, freehand technique for screw placement, lateral approaches to the spine, and lateral corpectomies; learners will be able to identify and describe step-by-step procedures for completing major osteotomies; learners will recognize indications for osteotomies and lateral corpectomies.

Target Audience: The hands-on lab portion of this course is designed for senior level neurosurgery residents, with previous experience and training in basic and advanced spine procedures and instrumentation. The lecture series is designed to offer educational benefits for neurosurgery residents of all stages of training, coupled with opportunities for observation and hands-on instruction in the lab

Course Director
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Course Co-Director
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Course Faculty

Juan S. Uribe, MD
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Professor and Vice-Chairman of Neurosurgery
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Ali A. Baaj, MD
Associate Professor of Neurological Surgery
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Stephen L. Reintjes Jr., MD
Meritas Health
North Kansas City Hospital
Kansas City, MO

Yusef Imani Mosley, MD
Saint Luke's Neurological & Spine Surgery
Kansas City, MO

Thursday May 7th, 2020		
6:30pm – 9:00pm	**Course Dinner and Case Presentations** *Venue TBD*	***Faculty TBD***

Friday, May 8th, 2020		
6:30am	**Breakfast and Course Check-in**	
7:30am	**Lecture**: *Freehand pedicle screw cannulation: starting points for open pedicle screws.*	**Suken A. Shah, MD**
7:50am	**Lecture**: *Pelvic instrumentation: techniques for traditional iliac instrumentation and S2AI screws.*	**Puya Alikhani, MD** **Mark Greenberg, MD**
8:10am	**Lecture**: *Introduction to spinal osteotomies: Discussing comprehensive osteotomy classification, indications, and illustrating critical "cuts" in the major osteotomies* **Lecture**: *Osteotomy closure techniques: Review techniques for closing osteotomies and generating correction once osteotomies are completed*	**Ali A. Baaj, MD**
8:25am	**Lecture**: Percutaneous screw placement techniques: Review techniques	**Juan S. Uribe, MD** **Yusef I. Mosley, MD**
8:50am	**Lecture**: *Lateral interbody fusion, Anterior column release: Comprehensive techniques in Lateral approaches to spine*	**Juan S. Uribe, MD**
9:10am	**Lecture**: *Lateral corpectomy: review of techniques and indication for lateral corpectomy*	**Stephen Reintjes, MD**

SURGICAL SKILLS LAB *(Morning Session)*

09:30am	11:00am	Station Assignment
Resident Group **A**	Resident Group **D**	**Station #1:** Freehand technique for screw placement & pelvic instrumentation *(Depuy)*
Resident Group **B**	Resident Group **A**	**Station #2:** Critical cuts in the major osteotomies; closing osteotomies and corrections after closure *(Depuy)*
Resident Group **C**	Resident Group **B**	**Station #3:** Applying techniques for percutaneous screw placement *(NuVasive)*
Resident Group **D**	Resident Group **C**	**Station #4:** Lateral approaches to the spine & Lateral Corpectomy *(NuVasive)*

12:30pm-1:30pm		**Lunch and Case Presentations**	***Faculty TBD***
SURGICAL SKILLS LAB *(Morning Session)*			
09:30am	**11:00am**	**Station Assignment**	
Resident Group A	**Resident Group D**	**Station #1:** Freehand technique for screw placement & pelvic instrumentation *(Depuy)*	
Resident Group B	**Resident Group A**	**Station #2:** Critical cuts in the major osteotomies; closing osteotomies and corrections after closure *(Depuy)*	
Resident Group C	**Resident Group B**	**Station #3:** Applying techniques for percutaneous screw placement *(NuVasive)*	
Resident Group D	**Resident Group C**	**Station #4:** Lateral approaches to the spine & Lateral Corpectomy *(NuVasive)*	
4:30pm-5:30pm		**SURGICAL SKILLS LAB OPEN HOUR & COURSE CONCLUSION** *Follow-up practice, Question and Answer period, final demonstrations, and closing remarks by course Faculty*	
Course Adjourns			