

Innovative and Advanced Surgery of the Degenerative and Deformed Lumbar Spine

Course Outline – October 2-4, 2014

Auditorium	Zeiss Learning Center (ZLC)	Lab B	2 nd Floor Exhibit / Dining Hall
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Thursday, October 2, 2014		
12:00pm	<i>Registration/Box Lunches/Exhibits</i>	
Single Level Lumbar Degeneration		
12:30pm	Welcome and Introductions	R. Lehman T. Stewart L. Lenke
12:40pm	Patient Selection/Diagnostic Workup and Non-Operative Methods	
12:55pm	<u>Treatment Options:</u> Direct Decompression (Central and Lateral Approach)	
1:05pm	Stabilization: Fusion or Motion Sparing	
1:20pm	<u>Complications:</u> Cauda Equina Syndrome: Early vs. Late Surgery	
1:35pm	Black Disc Disease/Axial Back Pain: Who Needs Surgery and Why?	
1:45pm	Pedicle Screw Placement/Technical Considerations/Biomechanics	
2:05pm	Lumbar Total Disc Replacement "Myth or Reality"	
2:20pm	<u>3-D- Cadaver Demonstration:</u> Lumbar Anatomy/ Far Lateral Discectomy	
2:35pm	<u>3-D- Cadaver Demonstration:</u> Pedicle Screw Fixation Techniques	
2:50pm	<u>3-D- Cadaver Demonstration:</u> Dural Repair Techniques	
3:10pm	Question and Answer	
3:20pm	<i>Break/Exhibits</i>	
3:40pm	<u>Hands-On Laboratory:</u> -Central and Far Lateral Discectomy -Pedicle Screw Fixation - Dural Repair	All Faculty
3:40pm	<u>Hands-On Laboratory:</u> -Wiltse Approach for Far Lateral and Central Discectomy * MIS retractor systems – Get accustomed to looking through tubes -MIS Percutaneous Screws – Lumbar Spine	
5:30pm	<i>Adjourn</i>	

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Friday, October 3, 2014	
7:00 am	<i>Sign In/Continental Breakfast/Exhibits</i>
Scoliosis	
7:30 am	<u>Case Presentation:</u> Lumbar Scoliosis with Stenosis
7:40 am	Decision Making in Management of Adult Lumbar Scoliosis and Kyphosis
8:15 am	<u>Treatment Options:</u> - Open Correction of Deformity - 3 Column Osteotomies of the Lumbar Spine
8:30 am	- Fixation Options at Sacrum/Ilium for Long Segment Constructs
8:40 am	MIS Correction of Deformity/ Lateral Interbody Fusion: When is it Indicated/ Complications
8:55 am	Costotransversectomy /Posterior Approach for Trauma/Tumor/Infection
9:05 am	Transthoracic Approach for Thoracic Disc Herniation
9:15 am	Alternative Fusions Option at the LS Junction in Deformity Surgery
9:25 am	<i>Break/Exhibits</i>
9:55 am	<u>Cadaver Demonstration:</u> Lateral Interbody Fusion Technique
10:10 am	<u>Cadaver Demonstration:</u> Lumbar PSO Demonstration
10:25 am	<u>Hands-On Laboratory: Left Side Cadaver</u> Open Exposure Lateral Vertebral Bodies; Placement of Spacers, Lateral Interbody Fusion
10:25 am	<u>Hands-On Laboratory:</u> MIS Exposure Lateral Spine: Lateral Interbody Fusion/Spacers
12:30 pm	<i>Lunch/Exhibits</i>
Spondylolisthesis	
1:15 pm	<u>Case Presentation:</u> Degenerative Spondylolisthesis
1:25 pm	<u>Treatment Options (10 minutes each)</u> Open Fusion Options MIS Options Motion Preservation Options Complications: Peri-Operative Complications
2:05 pm	<u>Debate: TLIF vs. ALIF-</u> <u>TLIF:</u> 10 minutes <u>ALIF:</u> 10 minutes
2:25 pm	Q & A

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2:35 pm	<i>Break/Exhibits</i>	
2:55 pm	<u>Hands-On Laboratory: Left Side Cadaver L4-S1</u>	
	Pedicle Screw Fixation Placement of TLIF and PLIF Spacers	
2:55 pm	<u>Hands-On Laboratory: Left Side Cadaver</u>	
	Percutaneous & MIS Placement Screws MIS Placement of TLIF and PLIF Spacers	
5:15 pm	<i>Adjourn</i>	

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Saturday, October 4, 2014	
7:00 am	<i>Sign in and Continental Breakfast/Exhibits</i>
Multilevel Degenerative Disc Disease	
7:30am	<u>Case Presentation:</u> Multilevel Degenerative Disc
7:40am	<u>Treatment Options:</u> Direct Decompression Indirect Decompression/New Technologies Stabilization: Fusion or Motion Sparing Adjacent Level Disease
8:05am	Discussion: Question/Answers
8:10am	<u>Complications:</u> Anterior and Lateral Approach Complications
8:20am	YODA BMP Overview
8:40am	Interactive Case Presentation Discussion with Faculty
9:10am	<i>Break and Exhibits</i>
9:30am	<u>Cadaver Demonstration:</u> ALIF: Surgical Anatomy and Approach
10:30am	<u>Cadaver Demonstration:</u> ALIF
10:50am	<u>Hands-on Laboratory:</u> ZLC- ALIF Approach with Discectomy at L4/5, L5/1
10:50am	<u>Hands-on Laboratory:</u> Lab B- ALIF Approach with TDR Disc Arthroplasty/Continued Posterior Procedures
1:00pm	<i>Adjourn and Box Lunches to Go</i>