



LSRS Hands-On Surgical Techniques Course at MAC facility – Indiana Spine Hospital

Thursday, November 2, 2023		
11:00am	Registration & Lunch	
12:00pm	<i>Introduction and Welcome</i>	Rick Sasso
12:10pm	Degen Spondylolisthesis: Overview-What's Important	Thomas Zdeblick
12:25pm	Isthmic Spondylolisthesis: Overview-What's Important	Wellington Hsu
12:40pm	Open Laminectomy/Fusion	Brandon Lawrence
12:55pm	MIS TLIF	Michael Lee
1:10pm	Anterior: (DLIF, OLIF, ALIF)	Jad Khalil
1:25pm	Discussion with Faculty	
1:40pm	Microdiscectomy: Microscope, Loupes, Tubes, Endoscopy	Thomas Zdeblick
1:55pm	Extraforaminal Approach: Wiltse	James Harrop
2:10pm	Open Corpectomy Approach for Trauma/Tumors	Brandon Lawrence
2:25pm	MIS Approach for Trauma/Tumors	Addisu Mesfin
2:40pm	SI Fusion	Jad Khalil
2:55pm	Artificial Disc Replacement-Approach and Technique	Andrew Dailey
3:10pm	Discussion with Faculty	
3:25pm	Break	
3:40pm	Osteotomies: (Ponte, PSO, VCR)	Michael Lee
3:55pm	Sagittal Alignment: Basics	Mike Steinmetz
4:10pm	Biologics	Wellington Hsu



4:25pm	Case Presentations (4)	Bruce Darden
5:25pm	Welcome Reception	

Friday, November 3, 2023			
7:00am	Continental Breakfast		
7:30am	Navigation: Basics	Rick Sasso	
7:45am	Robot: Basics	Leo Spector	
8:00am	Pelvic Fixation	Jason Savage	
8:15am	Break / Transition to Lab Attire		
8:30am	Lab 1 Posterior (3)	Pedicle Screws (Open, C-Arm, Navigated, Robotic, Cortical screws, MIS Percutaneous), MIS TLIF, Prone Lateral, SI Fusion, Discectomy, Endoscopy, Dural Repair, Extraforaminal Approach, Osteotomies, Pelvic Fixation	All Faculty
	Lab 1 Anterior (3)	ALIF, Artificial Disc	All Faculty
	Lab 1 Lateral (3)	Corpectomy, DLIF, OLIF	All Faculty
11:00am	Grab Lunch in lobby and meet in auditorium for working lunch		
11:15am	Case Presentations (4)	Bruce Darden Rick Sasso	
12:15pm	Lab 2 - Same as Lab 1 with specimens flipped - anterior to posterior; posterior to lateral, lateral to anterior	All Faculty	
2:30pm	PJK-how to avoid	Mike Steinmetz	
2:45pm	Neuromonitoring-when should we use it	Andrew Dailey	
3:00pm	Dural Repair-technique	James Harrop	
3:15pm	Lab 3- Same as Lab 2 with specimens flipped - anterior to posterior; posterior to lateral, lateral to anterior	All Faculty	
5:45pm	Wine and Cheese Reception – INDUSTRY DINNERS		



Saturday, November 4, 2023		
7:30am	Continental Breakfast	
8:00am	T-L Burst Fracture	Brandon Lawrence
8:15am	Discitis/Epidural Abscess	Jason Savage
8:30am	Evaluation for Cauda Equina Syndrome	Leo Spector
8:45am	Case Presentations (4)	Bruce Darden Rick Sasso
9:45am	Break	
9:45am	Open lab time	All Faculty
12:00pm	Adjourn / Box Lunches / Shuttle to Airport	

INVITED FACULTY

Andrew T Dailey, MD

Professor of Neurosurgery
 Chief of the Spine Division
 Department of Neurosurgery
 University of Utah
 Salt Lake City, UT

Bruce V. Darden, II, MD

President Lumbar Spine Research Society
 Professor of Orthopaedic Surgery
 Atrium Health
 Charlotte, NC

James Harrop, MD

Professor of Neurological Surgery and Orthopedic Surgery
 Division Chief, Spine and Peripheral Nerve Surgery
 Thomas Jefferson University
 Philadelphia, PA



Wellington K. Hsu, MD

Clifford C. Raisbeck Distinguished Professor of Orthopaedic Surgery
Director of Research
Professor, Department of Orthopaedic Surgery
Professor, Department of Neurological Surgery
Northwestern University Feinberg School of Medicine
Chicago, IL

Jad G. Khalil, MD

Michigan Orthopedic Surgeons
Chief, Orthopaedic Clinical Care Programs - Beaumont Health
Director, Spine Surgery Fellowship - William Beaumont Hospital - Royal Oak
Associate Professor of Orthopaedic Surgery, Oakland University - William Beaumont School of Medicine
Royal Oak, MI

Brandon Lawrence, MD

Chief of Orthopedic Spine Service
Assistant Professor
Department of Orthopaedic Surgery
University of Utah
Salt Lake City, UT

Michael J. Lee, MD

Professor of Orthopedic Surgery and Rehabilitation Medicine
University of Chicago
Chicago, IL

Addisu Mesfin, MD

Vice Chair of Research
Chief of Spine Oncology
Medstar Orthopaedic Institute
Georgetown University School of Medicine

Rick Sasso, MD

Professor and Chief of spine surgery
Indiana University School of Medicine
Department of Orthopedic Surgery
President, Indiana Spine Group
Carmel, IN

Jason W. Savage, MD

Orthopedic Surgery Specialist
Center for Spine Health
Cleveland Clinic



Cleveland, OH

Leo R. Spector, MD, MBA

Orthopedic Surgery Specialist

OrthoCarolina

Charlotte, NC

Thomas A. Zdeblick, MD

Professor and Chairman

Department of Orthopedics and Rehabilitation

University of Wisconsin

Madison, WI