

**12<sup>th</sup> Annual UCSF Techniques in Complex Spine Surgery**  
**Thursday, November 2, 2023 | Vdara Hotel, Las Vegas, NV**

12:30pm	<i>Registration</i>	
1:30	<b>Welcome</b>	<b>Christopher P. Ames, MD</b> <b>Vedat Deviren, MD</b>
1:35	<b>Managing Neuromonitoring Changes in Complex Deformity: Beyond Checklists</b>	<b>Lindsay Andras, MD</b>
1:55	<b>Surgical Result of Adult Spinal Deformity Patients Treated with Lateral Interbody Fusion Combined with Posterior Fusion</b>	<b>Naobumi Hosogane, MD</b>
2:15	<b>Posterior Spinal Fusion for Osteoporotic Vertebral Fracture with Neurologic Deficits</b>	<b>Satoshi Suzuki, MD</b>
2:35	<b>The Use of Artificial Intelligence as a Supportive Tool for Scoliosis Treatment</b>	<b>Kota Watanabe, MD</b>
2:55	<b>Honored Speaker Introduction</b>	<b>Vedat Deviren, MD</b>
3:00	<b>Enhanced Recovery Pathway Evolution – is Adult Deformity Surgery in the ASC Imminent?</b>	<b>Han Jo Kim, MD</b>
3:30	<b>Question and Answer</b>	<b>Moderator:</b> <b>Theresa JC Pazonis, MD, MA, FRCSC, ABOS</b>
3:50	<i>Coffee Break</i>	
4:10	<b>Cervical Kyphosis after Laminoplasty for Degenerative Cervical Myelopathy</b>	<b>Masahiro Ozaki, MD</b>
4:30	<b>Frailty and Minimally Invasive Spine Surgery; Predicting Outcomes</b>	<b>Aaron Clark, MD</b>
4:50	<b>The Rail Technique: Description of Surgical Strategy for Correction of Thoracic Deformities</b>	<b>Alekos Theologis, MD</b>
5:10	<b>Spine Trauma and Deformity Intraoperative Imaging/Assessment</b>	<b>Patrick Maloney, MD</b>
5:30	<b>Health Economics for the Spine Deformity Surgeon: How to Understand Value-Based Principles in the Most Complex Patients</b>	<b>Rajiv Sethi, MD</b>
5:50	<b>Debate Around Growing Spine Constructs and the Pros/Cons of These Operations</b>	<b>Kali Tileston, MD</b>
6:10	<b>Question &amp; Answer</b>	<b>Moderator:</b> <b>Theresa JC Pazonis, MD, MA, FRCSC, ABOS</b>
6:30pm	<i>Adjourn</i>	
	<i>Exhibitor/Attendee reception immediately following (6:30-7:30pm)</i>	

# 12<sup>th</sup> Annual UCSF Techniques in Complex Spine Surgery

## Friday, November 3, 2023 | Vdara Hotel, Las Vegas, NV

7:30am	<i>Continental Breakfast</i>	
8:00	<b>Welcome and Introductions</b>	Christopher P. Ames, MD Vedat Deviren, MD
8:05	<b>The Benefits of Using Image Guidance in Deformity Surgery</b>	Shane Burch, MD
8:25	<b>Utilizing Cervical and CT Osteotomies in Cervical Deformities</b>	Vedat Deviren, MD
8:45	<b>Prone Lateral Approaches in Complex Spine Surgery</b>	Michael Venezia, MD
9:05	<b>Surgical Management of Adult Spinal Deformity in Parkinson's Disease</b>	Yoon Ha, MD
9:25	<i>Honored Speaker Introduction</i>	Christopher P. Ames, MD
9:30	<b>Safety and Robots in Spine Surgery</b>	David L. Skaggs, MD
10:00	<b>Question and Answer</b>	
10:20	<i>Coffee Break</i>	
10:40	<b>Retroperitoneal Access in Patients with Prior Abdominal Operations</b>	Clara Sanchez, MD
11:00	<b>Intraoperative Imaging/Assessment in Complex Spine Surgery</b>	Patrick Maloney, MD
11:20	<b>Appropriate Use of Surgery in the Elderly Patient with Spinal Deformity</b>	Sigurd H. Berven, MD
11:40	<b>Question and Answer</b>	
12:00pm	<i>Lunch</i>	
1:00	<b>Predicting Mechanical Complications After Adult Spinal Deformity</b>	Sung Hyun Noh, MD
1:20	<b>Role of Traction in Surgical Correction for Severe Kyphoscoliosis: Technical Note of Two Cases</b>	Kyung Hyun Kim, MD
1:40	<b>Management Strategies and Surgical Techniques for Complex Cervical Spine Pathology</b>	Lee Tan, MD
2:00	<b>Surgical Planning in Adult Deformity Surgery</b>	Lionel Metz, MD
2:20	<b>Dynamics of Reimbursement Using MIS Surgery in Spinal Reconstruction</b>	Robert Eastlack, MD
2:40	<b>Bio-markers and Risk Assessment for Spinal Surgery</b>	Christopher P. Ames, MD
3:00	<i>Break</i>	
3:20	<i>Honored Speaker Introduction</i>	Christopher P. Ames, MD
3:25	<b>Augmented Reality in Complex and Revision Spine Surgery</b>	Ian Thomas McNeill, MD
3:55	<b>Implementation of Enhanced Recovery After Spine Surgery (ERAS) Protocol</b>	Corinna Zygouraskis, MD
4:15	<b>Case Presentations</b>	
5:00	<b>Q&amp;A</b>	
5:20pm	<i>Adjourn</i>	

# 12<sup>th</sup> Annual UCSF Techniques in Complex Spine Surgery

## Saturday, November 4, 2023 | Vdara Hotel, Las Vegas, NV

8:00am      *Continental Breakfast and Change into scrubs*  
**Session One**  
 9:00        Group A: Cadaver Lab  
 9:00        Group B: Lecture and Case Presentations  
 12:00pm    Lunch  
**Session Two**  
 1:00        Group B: Cadaver Lab  
 1:00        Group A: Lecture and Case Presentations  
 4:00pm     Adjourns

**Cadaver Stations to include:**

- Anterior exposure and LIF/ Lateral and Oblique Interbody Fusion
- C1-C2 Screw placement/Cervical Osteotomy
- TL PSO VCR/ Thoracolumbar PSO/VCR
- Pelvic Fixation/En Bloc Resection techniques
- Posterior Pedicle Screw Fixation/Post Osteotomy/Screws

LAB ASSIGNMENT AM – Group A			
Station	Instructor	Procedure	Company
<i>Cadaver #1</i>	Vedat Deviren, MD	PTP / Percutaneous Instrumentation	ATEC
	Ian Thomas McNeill, MD	Cervical / Thoracolumbar	
	Kota Watanabe, MD		
<i>Cadaver #2</i>	Aaron Clark, MD	Xlif / Single Position Anterior	Globus
	David Skaggs, MD	Cervical / Thoracolumbar	
	Clara Gomez-Sanchez, MD		
	Naobumi Hosogane, MD		
<i>Cadaver #3</i>	Alekos Theologis, MD	Cervical Instrumentation and Osteotomy	DePuy
	Han Jo Kim, MD	Thoracolumbar	
	Kali Rose Tileston, MD		
<i>Cadaver #4</i>	Patrick Maloney, MD	Posterior Fixation / Pelvic Fixation	Medtronic
	Satoshi Suzuki, MD	Thoracolumbar	
<b>Lunch 12:00 – 1:00pm</b>			
LAB ASSIGNMENT PM – Group B			
Station	Instructor	Procedure	Company
<i>Cadaver #1</i>	Lee Tan, MD	PSO/VCR	ATEC
	Robert Eastlack, MD	Cervical / Thoracolumbar	
	Sung Hyun Noh, MD		
<i>Cadaver #2</i>	Lindsay Andras, MD	PSO/VCR	Stryker
	Corinna Zygouraskis, MD	Cervical / Thoracolumbar	
	Masahiro Ozaki, MD		
<i>Cadaver #3</i>	Rajiv Sethi, MD	PSO/VCR	DePuy
	Sigurd Berven, MD	Thoracolumbar	
	Kyung Hyun Kim, MD		
<i>Cadaver #4</i>	Yoon Ha, MD	En Bloc Resection / Osteotomies	Medtronic
	Lionel Metz, MD	Thoracolumbar	
	Bin Xiao, MD		