

## Wednesday, July 26, 2023

2:00pm	<i>Registration / Exhibitors</i>	
2:45	<b>Welcome and Introductions</b>	Lionel N. Metz, MD Lee A. Tan, MD Kyle A. Mitsunaga, MD
2:50	<b>Implant Density in Adolescent Idiopathic Scoliosis Deformity Correction: The Goldilocks Zone</b>	Matthew Cage, MD
3:10	<b>Operative and Non-operative Strategies for Early Onset Scoliosis: Casting, Traction, and Growth Friendly Instrumentation</b>	Graham Fedorak, MD
3:30	<b>Honored Speaker Introduction</b>	Lionel N. Metz, MD
3:35	<b>Vertebral Body Tethering: Indications, Results, and Application to the Older Child</b>	Baron S. Lonner, MD
3:55	<b>Cervical Disc Replacement: Indications, Pearls, and Pitfalls</b>	Bobby Tay, MD
4:15	<b>Honored Speaker Introduction</b>	Lee A. Tan, MD
4:20	<b>Management of OPLL in the Cervical Spine</b>	Yoon Ha, MD
4:50	<b>Navigated Lateral Corpectomy for Thoracolumbar Burst Fractures</b>	Anthony DiGiorgio, DO, MHA
5:10	<b>Evaluation and Treatment of the Pediatric Spine Trauma Patient</b>	Ashraf El Naga, MD
5:30	<b>Question &amp; Answer</b>	
6:00pm	<i>Adjourn: Luau Reception, Exhibitors Welcome</i>	

## Thursday, July 27, 2023

7:00am	<i>Continental Breakfast at Moana Surfrider Hotel</i>	
8:00	<b>Welcome and Introductions</b>	Lionel N. Metz, MD Lee A. Tan, MD Kyle A. Mitsunaga, MD
8:05	<b>Contemporary Management of Spinal Osteomyelitis and Epidural Abscess</b>	Sina Pourtaheri, MD
8:25	<b>Case Discussion</b>	Lee A. Tan, MD
8:45	<b>From Predictive Models to Biomarkers and Spine Tissue Banking</b>	Christopher P. Ames, MD
9:05	<b>Surgical Navigation Present and Future Use in Complex Spine and Deformity Surgery</b>	Shane Burch, MD
9:25	<b>Honored Speaker Introduction</b>	Lionel N. Metz, MD
9:30	<b>Operative Management of Thoracolumbar Scoliosis: Achieving Optimal Results with Lenke 5 and 6 Curve Types</b>	Baron S. Lonner, MD
10:00	<b>Utilization of Enabling Technology in Pediatric Spinal Deformity</b>	Stephen George, MD
10:20	<i>Break</i>	
10:40	<b>Surgical Case Presentation</b>	
11:40	<b>Question and Answer</b>	
12:00pm	<i>Lunch</i>	
1:00	<b>Honored Speaker Introduction</b>	Kyle A. Mitsunaga, MD
1:05	<b>Treatment of Complex Pediatric Deformities</b>	Christopher I. Shaffrey, MD
1:35	<b>Surgical Case Presentation</b>	
2:55	<b>Question and Answer</b>	
3:15pm	<i>Adjourn</i>	

## Friday, July 28, 2023

8:00am	<i>Continental Breakfast at Moana Surfrider Hotel</i>	
8:30	<b>Adolescent Idiopathic Scoliosis: 3-D Correction of Thoracic Scoliosis</b>	Yashar Javidan, MD
8:50	<b>Utility of New Technologies in the Treatment of Pediatric Spinal Deformities</b>	Jamal McClendon, MD
9:10	<b>Nuances of C1 to C2 Fixation</b>	Praveen Mummaneni, MD
9:35	<b>Management of Metastatic Tumors</b>	Irene Say, MD
9:55	<i>Coffee Break</i>	
10:15	<b>Honored Speaker Introduction</b>	Kyle A. Mitsunaga, MD
10:20	<b>An Approach for Treatment of Complex Pediatric Spinal Deformity</b>	Christopher I. Shaffrey, MD
10:40	<b>Case Presentations</b>	
11:40	<b>Question and Answer</b>	
12:00pm	<i>Lunch</i>	
1:00	<b>Honored Speaker Introduction</b>	Lee A. Tan, MD
1:05	<b>Surgical Management of Cervical Deformity</b>	Yoon Ha, MD
1:35	<b>Case Presentations</b>	
2:35	<b>Question and Answer</b>	
2:55pm	<i>Adjourn</i>	

## Saturday, July 29, 2023

8:00am	<i>Continental Breakfast at Moana Surfrider Hotel</i>	
8:30	<b>Perioperative Management of Blood Loss in Complex Spinal Surgery</b>	Nima Alan, MD
8:50	<b>Resection and Reconstructive Principles for Primary Tumors of the Thoracolumbar Spine</b>	Alekos Theologis, MD
9:10	<b>Less Invasive Lumbar Interbody Fusion LLIF, Lateral ALIF</b>	Aaron Clark, MD, PHD
9:30	<b>The Modern Treatment of High-Grade Spondylolisthesis</b>	Sigurd Berven, MD
9:50	<i>Coffee Break</i>	
10:10	<b>Honored Speaker Introduction</b>	Lionel N. Metz, MD
10:15	<b>Outcomes of Adult Deformity Surgery: What We Do Well and Where We Need Improvement</b>	Christopher I. Shaffrey, MD
10:45	<b>Question and Answer</b>	
11:05	<b>Posterior Base Osteotomy Techniques for the Correction of Spinal Deformity</b>	Alexander Tuchman, MD
11:25	<b>Case Presentations</b>	
12:30pm	<i>Course Adjourns</i>	