

2022 Advancements in Surgical & Medical Management of the Spine
Fairmont Orchid, Kohala Coast, HI
February 19-23, 2022

Saturday, February 19, 2022	
3:15 p.m.	Registration, Exhibit & Refreshments Grand Ballroom Foyer
4:00 p.m.	Introduction to the Course <i>Randy A. Shelerud, M.D., Brett A. Freedman, M.D., M.D., Arjun S. Sebastian, M.D.</i>
4:15 p.m.	Can you Effectively Perform Virtual Spine Consultation - Lessons Learned in the Era of COVID-19 <i>Brett A. Freedman, M.D.</i>
4:35 p.m.	Tips and Pointers for Conducting Spine Consultation via Telehealth <i>Keith A. Bengtson, M.D.</i>
4:50 p.m.	The APP Role in Responding to COVID and TH in Spine <i>Gregory A. Taylor, APRN, C.N.P., M.S.N.</i>
5:05 p.m.	What is the Role of Physical Examination During a Virtual Spine Consultation - Results of a Prospective Validation Study <i>Arjun S. Sebastian, M.D.</i>
5:20 p.m.	Q&A Session Session Leader
5:35 p.m.	We Are All in This Together - Lessons Learned from All - Group Learning Activity
5:55 p.m.	Wrap up <i>Randy A. Shelerud, M.D., Brett A. Freedman, M.D., M.D., Arjun S. Sebastian, M.D.</i>
6:00 p.m.	Adjourn

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Sunday, February 20, 2022	
5:30 a.m.	BREAKFAST
6:00 a.m.	Roundtable Discussions 6:00 a.m. TL Fracture Case - Case Presentation (Pre-recorded) <i>Mohamad Bydon, M.D.</i> 6:25 a.m. CSP Fracture Case <i>Jeremy L. Fogelson, M.D.</i>
6:50 a.m.	BREAK
7:00 a.m.	EMG: What the Spine Surgeon Needs to Know <i>Ruple S. Laughlin, M.D.</i>
CSP Trauma I <i>Bradford L. Currier, M.D.</i>	
7:20 a.m.	Medical Management of Whiplash <i>Randy A. Shelerud, M.D.</i>
7:40 a.m.	Classification of CSP Trauma <i>Brett A. Freedman, M.D.</i>
8:00 a.m.	Management of Trauma Instability <i>Ahmad Nassr, M.D.</i>
8:20 a.m.	Management of Odontoid Fractures in the Elderly <i>Navid Khezri, M.D.</i>
8:40 a.m.	Q&A <i>Bradford L. Currier, M.D.</i>
8:55 a.m.	BREAK
CSP Trauma II <i>Brett A. Freedman, M.D.</i>	
9:00 a.m.	Occipital-Cervical Fusion - A Tutorial for All Indications <i>Bradford L. Currier, M.D.</i>
9:20 a.m.	In-patient Rehab After SCI <i>Ronald K. Reeves, M.D.</i>
9:40 a.m.	Cervicothoracic Trauma Cases and Discussion <i>Benjamin D. Elder, M.D., Ph.D.</i>
10:00 a.m.	Q&A <i>Brett A. Freedman, M.D.</i>
10:10 am.	BREAK
LSP Trauma <i>Brett A. Freedman, M.D.</i>	
10:20 a.m.	Classification of Thoracolumbar Spine Trauma <i>Brett A. Freedman, M.D.</i>

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10:40 a.m.	Nonoperative Management of Lumbar Burst Fractures <i>Scott C. Wagner, M.D.</i>
11:00 a.m.	Surgical Treatment of Thoracolumbar Fractures <i>Sandra Hobson, M.D.</i>
11:20 a.m.	Managing Trauma Consults and Follow-up - The Role of the APP <i>Gregory A. Taylor, APRN, C.N.P., M.S.N.</i>
11:40 a.m.	Optimal OR Management of Spine Surgery <i>Christopher M. Duncan, M.D.</i>
12:00 p.m.	Q&A <i>Brett A. Freedman, M.D.</i>
12:20 p.m.	Summary and Adjourn
12:30 p.m.	Adjourn

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Monday, February 21, 2021	
5:30 a.m.	BREAKFAST
6:00 a.m.	Round Table Discussions
	6:00 a.m. Senile Burst Fx Case Presentation <i>Bryan Lawson, M.D.</i>
6:25 a.m.	Spinal Epidural Abscess Case Presentation <i>Douglas G. Hughes, M.D.</i>
	6:50 a.m.
Osteoporosis – Medical <i>Moderator: Ann E. Kearns, M.D., Ph.D.</i>	
7:00 a.m.	Keynote: What Does a Spine Provider Need to Know About Osteoporosis <i>Paul A. Anderson, M.D.</i>
7:20 a.m.	What is BHO and How do I Incorporate it Into My Practice <i>Paul A. Anderson, M.D.</i>
7:40 a.m.	What is the APP's Role in Osteoporosis and BHO (Pre-recorded) <i>Kristyn J. Hare, PA-C</i>
8:00 a.m.	Medical Management of Osteoporosis <i>Matthew T. Drake, M.D., Ph.D.</i>
8:20 a.m.	Medical Management of Compression Fractures <i>Cara C. Prideaux, M.D.</i>
8:40 a.m.	Q&A <i>Cara C. Prideaux, M.D.</i>
8:55 a.m.	BREAK
Osteoporosis – Surgical <i>Ahmed Nassr, M.D.</i>	
9:00 a.m.	Opportunistic CT - What is a Hounsfield Unit and Why Should I Know <i>Benjamin D. Elder, M.D., Ph.D.</i>
9:20 a.m.	How Does Diminished Bone Quality Affect Spinal Fusion Outcomes <i>Jad Bou Monsef, M.D.</i>
9:40 a.m.	Advances in the Surgical Treatment of Patients with Osteoporosis: Interface of Biology and Engineering <i>Ahmad Nassr, M.D.</i>
10:00 a.m.	Q&A <i>Ahmad Nassr, M.D.</i>
10:10 a.m.	BREAK
Bone Disease <i>Mohammed Karim, M.D.</i>	
10:20 a.m.	The Ankylosed Spine - What is the Best Way to Assess Acute Pain after Trauma <i>Sandra Hobson, M.D.</i>

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10:40 a.m.	Discitis, Vertebral Osteomyelitis and Epidural Abscess - The Spinal Infection Continuum (Pre-recorded) <i>Douglas R. Osmon, M.D.</i>
11:00 a.m.	Medical Oncologic Treatment of Spinal Malignancies and Outcomes <i>Steven I. Robinson, M.B.B.S.</i>
11:20 a.m.	Radiation Therapy Role in Metastatic Disease of the Spine <i>Kenneth R. Olivier, M.D.</i>
11:40 a.m.	Metastatic Spine Disease - SINS and Beyond - A Surgeons Perspective <i>Mohammed Karim, M.D.</i>
12:00 p.m.	Q&A <i>Mohammed Karim, M.D.</i>
12:20 p.m.	Summary
12:30 p.m.	Adjourn

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Tuesday, February 22, 2022	
5:30 a.m.	BREAKFAST
6:00 a.m.	Breakfast Roundtable Discussions 6:00 a.m. Asymptomatic Cervical Stenosis Case Presentation and Round Table <i>Bradford L. Currier, M.D.</i> 6:25 a.m. Lumbar Spinal Stenosis Case Presentation and Round Table <i>Kimberly (Kim) L. Seidel-Miller, M.D.</i>
6:50 a.m.	BREAK
CSP Stenosis	
7:00 a.m.	Keynote: Emerging Technologies for the Treatment of Chronic Back Pain <i>Mark Friedrich B. Hurdle, M.D.</i>
7:20 a.m.	Keynote: Emerging Technologies for the Treatment of Chronic Back Pain <i>John A. Freeman, D.O.</i>
7:40 a.m.	Cervical Spinal Stenosis - When to Leave it Alone <i>Karen A. Truitt, D.O.</i>
8:00 a.m.	Differential Diagnosis of Cervical Stenosis <i>Jennifer I. Stern, M.D.</i>
8:20 a.m.	Anterior vs. Posterior Approach for Cervical Radiculopathy (Pre-recorded) <i>Mohammad Bydon, M.D.</i>
8:40 a.m.	Q&A
8:55 a.m.	BREAK
LSP Degenerative I	
9:00 a.m.	Differential Diagnosis of Lumbar Spinal Stenosis <i>Randy A. Shelerud, M.D.</i>
9:20 a.m.	Lumbar Spinal Stenosis: Prognosis and Medical Management <i>Kimberly (Kim) L. Seidel-Miller, M.D.</i>
9:40 a.m.	Back to Work in Patients with Lumbar Stenosis <i>Russell Gelfman, M.D.</i>
10:00 a.m.	Q&A
10:10 a.m.	BREAK
LSP Degenerative II	
10:20 a.m.	Update on Percutaneous Image Guided Decompression for Spinal Stenosis <i>Tim J. Lamer, M.D.</i>
10:40 a.m.	Lumbar Spinal Stenosis: Decompression vs. Fusion <i>Jad Bou Monsef, M.D.</i>
11:00 a.m.	Interventional Management of Disc Herniation and Lumbar Stenosis <i>Timothy P. Maus, M.D.</i>

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11:20 a.m.	Degenerative Spondylolisthesis - Operative Management <i>Bryan Lawson, M.D.</i>
11:40 a.m.	Adult Spinal Deformity Treatment <i>Jeremy L. Fogelson, M.D.</i>
12:00 p.m.	Q&A
12:20 p.m.	Closing Summary
12:30 p.m.	Adjourn

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Wednesday, February 23, 2022	
5:30 a.m.	BREAKFAST
6:00 a.m.	Roundtable Discussions 6:00 a.m. SI Joint Case Presentation and Round Table <i>Arjun S. Sebastian, M.D.</i> 6:25 a.m. SI Joint Examination <i>Arjun S. Sebastian, M.D.</i>
6:50 a.m.	BREAK
OPIOID *may meet your state requirement for OPIOID CME	
7:00 a.m.	Opioid Updates: Current State and Recommendations, Rules, and Regulations <i>Halena M. Gazelka, M.D.</i>
7:25 a.m.	Opioid Pharmacology and UDT <i>Oludare (Dare) O. Olatoye, M.D.</i>
7:50 a.m.	Interventional Alternatives <i>Tim J. Lamer, M.D.</i>
8:15 a.m.	Other Alternatives to Opioids for Pain Management <i>Jeffrey S. Brault, D.O.</i>
8:35 a.m.	BREAK
8:40 a.m.	Pain Rehabilitation and Tips for Difficult Conversations (Pre-recorded) <i>W. Michael Hooten, M.D.</i>
9:05 a.m.	Recognizing and Treating Addiction (Pre-recorded) <i>Holly L. Geyer, M.D.</i>
9:30 a.m.	Q&A <i>Halena M. Gazelka, M.D.</i>
10:00 a.m.	BREAK
Misc <i>Arjun S. Sebastian, M.D.</i>	
10:20 a.m.	<i>Interoperative Neuro Monitoring for Spine Surgery</i> <i>Ernest (Matt) M. Hoffman, D. O., Ph.D.</i>
10:40 a.m.	Spinal Cord Stimulators – UPDATE <i>Tim J. Lamer, M.D.</i>
11:00 a.m.	MIS Spine Surgery - UPDATE - Tubes to Robots <i>Arjun S. Sebastian, M.D.</i>
11:20 a.m.	Percutaneous Fixation Options - When, How and Why <i>Arjun S. Sebastian, M.D.</i>
11:40 a.m.	Bone Biologics - When, How and Why <i>Melissa Erickson, M.D.</i>
12:00 p.m.	Q & A <i>Arjun S. Sebastian, M.D.</i>
12:20 p.m.	Closing Summary
12:30 p.m.	Adjourn