



February 19-21, 2021

FRIDAY AGENDA

FEBRUARY 19 (9:00 – 19:30) EST

9:00 – 12:00	Interventional Skills Virtual Course	
9:00 – 9:10	Epidural Injection Techniques <i>Wade Wong, MD</i>	
9:10 – 9:20	Facet/SI Injection and RFA <i>Greg Lawler, MD</i>	
9:20 – 9:30	Tricks of Biopsy <i>Troy Hutchins, MD</i>	
9:30 – 9:40	Vertebral Augmentation and Advanced Spinal Procedures <i>Luigi Manfre, MD</i>	
9:40 – 10:00	Live Q&A	
10:00 – 10:30	Technology Training Workshop (Non-CME)	
10:30 – 11:00	Technology Training Workshop (Non-CME)	
11:00 – 11:30	Technology Training Workshops (Non-CME)	
11:30 – 12:00	Technology Training Workshop (Non-CME)	
12:00 – 12:55	Industry Partner Presentation/Exhibit Hall	
12:55 – 13:00	Welcoming Remarks <i>Dan T.D. Nguyen, MD</i>	
13:00 – 15:12	Joint Session 1: The Spine in Triple Crisis Moderator: <i>TBD</i>	
13:00 – 13:30	COVID-19 and the Pediatric Spine <i>Susan Palasis, MD</i>	
13:30 – 13:50	Spine Care Health Disparities <i>John Jordan, MD</i>	
13:50 – 14:10	Spine Interventional Issues During Pandemic – Steroids, Immunocompromise, and COVID <i>Timothy Amrhein, MD</i>	
14:10 – 14:30	Economic Consequences of the Crisis: Changes in Policies and Reimbursement <i>Melissa Chen, MD</i>	
14:30 – 14:50	Best Practices in Spine Telehealth <i>Jeffrey Stone, MD</i>	
14:52 – 15:12	Live Q&A	
15:15 – 15:45	Industry Partner Presentation/Exhibit Hall	
15:45 – 17:57	Concurrent Session: Diagnostic Session 1: Oncologic Imaging Moderators: <i>Wende Gibbs, MD and J. Levi Chazen, MD</i>	15:45 – 17:57 Concurrent Session: Diagnostic Session 2: Controversies in Advanced Spine Imaging in Trauma Moderators: <i>TBD</i>
15:45 – 16:05	Spinal Imaging Manifestations of Hematologic Malignancies <i>Amit Aggarwal, MD</i>	15:45 – 16:05 MRI for Spine Trauma – Where is the Evidence? <i>Jason Talbot, MD</i>
16:05 – 16:25	Spine Oncology: Assessment and Reporting <i>Wende Gibbs, MD</i>	16:05 – 16:25 Imaging Biomarkers in Spinal Cord Injury <i>Mahmud Mossa-Basha, MD</i>
16:25 – 16:35 16:25 – 16:30 16:30 – 16:35	Diagnostic Scientific Papers Oral Abstract 1 Oral Abstract 2	16:25 – 16:35 16:25 – 16:30 16:30 – 16:35
16:35 – 16:55	Multidisciplinary Management: Surgical Perspective <i>John Shin, MD</i>	16:35 – 16:55 Diagnostic Scientific Papers Oral Abstract 3 Oral Abstract 4
16:55 – 17:15	Multidisciplinary Management: Radiation Oncology Perspective <i>Yi An, MD</i>	16:35 – 16:55 Evidence - Based Guidelines for Clearing the Cervical Spine <i>Krystal Archer-Arroyo, MD</i>
17:15 – 17:35	Advanced Imaging for Posttreatment Evaluation <i>Kambiz Nael, MD</i>	16:55 – 17:15 Spinal Injuries in Athletics <i>Vikas Agarwal, MD</i>
17:37 – 17:57	Live Q&A	17:15 – 17:35 Update Whiplash and Mild Cervical Spine Trauma <i>Johan Van Goethem, MD, PhD</i>
		17:37 – 17:57 Live Q&A





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FEBRUARY 19 <i>continued</i> (9:00 – 19:30) EST			
15:45 – 17:57	Concurrent Session: Interventional Session 1: Interventional Oncology with SIO/SIR/ASSR Moderator: <i>David Prologo, MD, FSIR, ABOM-D</i>	15:45 – 17:57	Concurrent Session: Interventional Session 2: Multi-Pain Society About Interventional Pain Procedures Moderators: <i>TBD</i>
15:45 – 16:05	Guidelines and Treatment Algorithms for Treatment of Metastatic Spine Disease <i>Jack Jennings, MD, PhD</i>	15:45 – 16:05	Current State and Downstream Development in Neuromodulation <i>Timothy Deer, MD</i>
16:05 – 16:25	Role of Vertebral Augmentation/Implants in Pathologic Fractures <i>Steven Yevich, MD, MPH</i>	16:05 – 16:25	DRG and Beyond: Emerging Applications of Neuromodulation <i>Bohdan W. Chopko, PhD, MD</i>
16:25 – 16:35 16:25 – 16:30 16:30 – 16:35	Interventional Scientific Papers Oral Abstract 5 Oral Abstract 6	16:25 – 16:35 16:25 – 16:30 16:30 – 16:35	Interventional Scientific Papers Oral Abstract 7 Oral Abstract 8
16:35 – 16:55	Spine Ablation: Which Modality and Why? Radiofrequency Ablation and Cryoablation <i>Anderanik Tomasian, MD</i>	16:35 – 16:55	Peripheral Nerve Stimulation <i>Brian Rich, MD</i>
16:55 – 17:15	Spine Ablation: Which Modality and Why? Microwave <i>Majid Khan, MD</i>	16:55 – 17:15	Endoscopic Techniques <i>Kent Remley, MD</i>
17:15 – 17:35	Peripheral Nerve Pain and Therapies <i>David Prologo, MD, FSIR, ABOM-D</i>	17:15 – 17:35	Basivertebral Nerve Ablation <i>Olivier Clerk-Lamallice, MD-MSc, FRCPC, FIPP</i>
17:37 – 17:57	Live Q&A	17:37 – 17:57	Live Q&A
18:00 – 19:30	Opening Night Virtual Social Event		

SATURDAY AGENDA

FEBRUARY 20 (9:00 – 19:45) EST	
10:00 – 12:00	Joint Session 2: Osteoporosis Treatment Gap with NOF/ASSR/ASNR Moderator: <i>TBD</i>
10:00 – 10:20	Osteoporosis from 10,000 Feet Bird's-Eye View <i>Andrea Singer, MD</i>
10:20 – 10:40	Osteoporosis Medical Treatment Update <i>Michael Lewiecki, MD</i>
10:40 – 11:00	Socioeconomic Disparities in Utilization of Osteoporotic Augmentation <i>Vwaire Orhurhu, MD</i>
11:00 – 11:20	Preoperative Bone Health Assessment in Patients Undergoing Spine Surgery <i>Kelly Krohn, MD</i>
11:20 – 11:40	Secondary Fracture Prevention Challenges During Pandemic & Advocacy <i>Ann Lake, DNP, ONP-C, FNP-C, CCD</i>
11:42 – 12:00	Live Q&A
12:00 – 13:00	Industry Partner Presentation / Exhibit Hall





SATURDAY AGENDA

FEBRUARY 20 *continued* (9:00 – 19:45) EST

13:00 – 15:22	Concurrent Session: Diagnostic Session 3: AI, Virtual Reality, and All That Data Science Jazz Moderators: <i>TBD</i>	13:00 – 15:12	Concurrent Session: Diagnostic Session 4: Pediatric Spine Moderators: <i>Judith A. Gadde, DO, MBA and Hollie Lai, MD</i>
13:00 – 13:20	Artificial Intelligence (AI) Integration in the Spine <i>Adam Flanders, MD</i>	13:00 – 13:20	Advanced MR Evaluation of Pediatric Bone Marrow Disease <i>Jonathan Samet, MD</i>
13:20 – 13:40	Virtual Reality <i>Jay Morris, MD</i>	13:20 – 13:40	Cauda Equina Syndrome and Back Pain in Children: Approach and Causes <i>Anant Krishnan, MD</i>
13:40 – 14:00	AI Spine Segmentation and Fracture Grading AI Challenges <i>TBD</i>	13:40 – 13:50	Diagnostic Scientific Papers
14:00 – 14:20	Role of Machine Learning, AR, and VR in Spine Surgery <i>TBD</i>	13:40 – 13:45	Oral Abstract 9
14:20 – 14:40	3D Printing and Visualization in the Spine <i>Edward Quigley III, MD</i>	13:45 – 13:50	Oral Abstract 10
14:40 – 15:00	AI for Spinal Metastases <i>TBD</i>	13:50 – 14:10	Paraspinous Pathology in Childhood <i>Laura Hayes, MD</i>
15:00 – 15:22	Live Q&A	14:10 – 14:30	Evaluation of Pediatric Scoliosis <i>Alexis B.R. Maddocks, MD</i>
13:00 – 15:22	Concurrent Session: Interventional Session 3: Vertebral Augmentation (VA) and Beyond: Challenges and New Data Moderator: <i>Douglas Beall, MD, FSIR, FIPP, DAAPM</i>	14:30 – 14:50	Pediatric Spine Intervention <i>Donald Cantrell, MD, PhD</i>
13:00 – 13:20	Clinical Trials in Vertebral Augmentation <i>Reade De Leacy, MBBS, FRANZCR</i>	14:52 – 15:12	Live Q&A
13:20 – 13:40	Morbidity and Mortality Effect From Vertebral Compression Fracture <i>Joshua A. Hirsch, MD, FACR, FSIR, FSNIS</i>	13:00 – 15:12	Concurrent Session: Interventional Session 4: Lumbar Spinal Stenosis Diagnosis and Intervention Moderators: <i>TBD</i>
13:40 – 13:50	Interventional Scientific Papers	13:00 – 13:20	Imaging of Lumbar Spinal Stenosis <i>Gregory Punch, MD</i>
13:40 – 13:45	Oral Abstract 11	13:20 – 13:40	Adjacent Level Disease, Biomechanics, Imaging, and Intervention <i>Bassem Georgy, MD</i>
13:45 – 13:50	Oral Abstract 12	13:40 – 14:00	Minimal Invasive Lumbar Decompression (MILD) <i>John Barr, MD</i>
13:50 – 14:20	Implanted Vertebral Augmentation <i>Stefano Marcia, MD</i>	14:00 – 14:10	Interventional Scientific Paper
14:20 – 14:40	Sacral Augmentation <i>Sean Tutton, MD, FSIR</i>	14:00 – 14:05	Oral Abstract 13
14:40 – 15:00	Vertebral Reconstruction with the “Armed Concrete” Approach: the SAIF Technique <i>Alessandro Cianfoni, MD</i>	14:05 – 14:10	Oral Abstract 14
15:00 – 15:22	Live Q&A	14:10 – 14:30	Interspinous Spacers <i>Wayne Olan, MD</i>
15:15 – 15:30	Industry Partner Presentation/Exhibit Hall	14:30 – 14:50	Interspinous Fusion Techniques <i>Douglas Beall, MD, FSIR, FIPP, DAAPM</i>
15:30 – 15:45	Industry Partner Presentation/Exhibit Hall	14:52 – 15:12	Live Q&A





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SATURDAY AGENDA

FEBRUARY 20 *continued* (9:00 – 19:45) EST

15:45 – 17:37	Concurrent Session: Diagnostic Session 5: Acute Non-Traumatic Spine Emergencies Moderators: <i>Troy Hutchins, MD</i>	15:45 – 17:37	Concurrent Session: Diagnostic Session 6: Chronic Spine Pathologies Moderators: <i>Elliott Friedman, MD</i>
15:45 – 16:05	Myelopathy - A Structured Approach to Signal Abnormality in the Cord <i>Allison Grayev, MD</i>	15:45 – 16:05	Syringohydromyelia and Other Cystic Lesions of the Spine <i>Lubdha M. Shah, MD, MS</i>
16:05 – 16:25	Infection and Inflammation <i>Carlos Torres, MD, FRCPC</i>	16:05 – 16:25	Cervical Spinal Stenosis <i>Jeffrey Ross, MD</i>
16:25 – 16:35 16:25 – 16:30 16:30 – 16:35	Diagnostic Scientific Papers Oral Abstract 15 Oral Abstract 16	16:25 – 16:35 16:25 – 16:30 16:30 – 16:35	Diagnostic Scientific Papers Oral Abstract 17 Oral Abstract 18
16:35 – 16:55	Ischemic and Hemorrhagic Lesions <i>Anousheh Sayah, MD</i>	16:35 – 16:55	Thoracic Disc Disease <i>Miriam E. Peckham, MD</i>
16:55 – 17:15	Aneurysms, AVM, and Fistulas <i>Michele Johnson, MD</i>	16:55 – 17:15	Adult Congenital Spinal Pathologies <i>Aseem Sharma, MD</i>
17:17 – 17:37	Live Q&A	17:17 – 17:37	Live Q&A
15:45 – 17:57	Concurrent Session: Interventional Session 5: Sacroiliac Dysfunction Moderators: <i>TBD</i>	15:45 – 17:57	Concurrent Session: Interventional Session 6: Headache and the Spine Moderators: <i>Kranz Peter Kranz, MD and Ikuta Ichiro Ikuta, MD</i>
15:45 – 16:05	Sacroiliac Joint Anatomy, Burden, Prevalence, and Workup <i>Edward Yoon, MD</i>	15:45 – 16:05	Clinical Approach to Cervicogenic Headache <i>Kerry Knievel, DO</i>
16:05 – 16:25	Sacroiliac Joint Imaging Strategies <i>Carissa M. White, MD</i>	16:05 – 16:35	Interventional Headache <i>Samer Narouze, MD, PhD</i>
16:25 – 16:35 16:25 – 16:30 16:30 – 16:35	Interventional Scientific Papers 5 Oral Abstract 19 Oral Abstract 20	16:35 – 16:55	Anatomy of Upper Cervical Dermatomes <i>Justin Costello, MD</i>
16:35 – 16:55	SI Joint RFA: An Evidence Based Review <i>William A. Moore, MD</i>	16:55 – 17:15	Spinal CSF Leaks: Diagnostic Tips and Tricks <i>Mark Mamlouk, MD</i>
16:55 – 17:15	Surgical Treatments: Lateral and Posterolateral <i>Jeff Donner, MD</i>	17:15 – 17:35	Post-Dural Puncture Headache <i>Michael Malinzak, MD, PhD</i>
17:15 – 17:35	Posterior Approach to SI Fusion <i>Dawood Sayed, MD</i>		
17:37 – 17:57	Live Q&A	17:37 – 17:57	Live Q&A
18:00 – 19:45	YPS Session: Learning, Teaching, and Practice Building Moderator: <i>TBD</i>		
18:00 – 18:20	Education vs. Scholarly Pathway for Promotion <i>Orlando Ortiz, MD, MBA, FACR</i>		
18:20 – 18:40	Teaching Tips <i>Judith A. Gadde, DO, MBA</i>		
18:40 – 19:00	Best Practices of Distance Learning Techniques in the Pandemic Age <i>Jennifer McCarty, MD</i>		
19:00 – 19:20	How to Build a Spine Practice <i>Amish Doshi, MD</i>		
19:22 – 19:45	Live Q&A		





February 19-21, 2021

SUNDAY AGENDA

FEBRUARY 21 (10:00 – 14:30) EST

10:00 – 11:37	Joint Session 3: Spine Care Around the World Moderator: <i>TBD</i>
10:00 – 10:15	Korea: Intradiscal Therapies Using Radiofrequency Techniques <i>Yong-Chul Kim, MD</i>
10:15 – 10:30	Congenital Spine Malformation: Concepts and Controversies From International Consensus <i>Mai-Lan Ho, MD and Kshitij Mankad, MD</i>
10:30 – 10:45	India: Spinal Tuberculosis <i>Deepak Patkar, MD</i>
10:45 – 11:00	Australia: Non-Traumatic Acute Spinal Emergencies <i>Dinesh Varma, FRANZCR</i>
11:00 – 11:15	Columbia: Degenerative Disc Injectable Gel Clinical Trial <i>Alfonso Spath, MD</i>
11:17 – 11:37	Live Q&A
11:40 – 11:55	Industry Partner Presentation/Exhibit Hall
11:55 – 12:25	Gold Medal Winner Presentation
12:25 – 14:30	Joint Session 4: Best of the Best in the Worst of Times Moderator: <i>Jay Acharya, MD and Mariza Clement, MD</i>
12:25 – 12:55	Best of Diagnostic Articles 2020 <i>Jay Acharya, MD</i>
12:55 – 13:15	Best of Interventional Articles 2020 <i>Cynthia T Chin, MD</i>
13:15 – 13:35	My Best Diagnostic Cases <i>Richard Wiggins III, MD, CIIP, FSIM, FAHSE</i>
13:35 – 13:55	My Best Interventional Cases <i>Alan Brook, MD</i>
13:57 – 14:17	Live Q&A
14:17 – 14:30	Present the Theme of the 2022 Austin Meeting / Closing Remarks <i>Lubdha M. Shah, MD, MS and Dan T.D. Nguyen, MD</i>