

VIRTUAL 24th ANNUAL SYMPOSIUM of the AMERICAN SOCIETY of SPINE RADIOLOGY

February 19-21, 2021



FRIDAY AGENDA

FEBRUARY 19 (9:00 – 19:30 EST)

9:00 – 12:00	Interventional Skills Virtual Intro Course Moderators: <i>Paul Kalapos, MDCM, M. Sc. and Matthew Parsons, MD</i>	
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 – 12:00	Industry Sponsored Product Theaters	
12:00 – 12:55	Industry Partner Introductions	
12:55 – 13:00	Welcoming Remarks <i>Daniel T.D. Nguyen, MD</i>	
13:00 – 15:12	Joint Session 1: The Spine in Triple Crisis Moderator: <i>Michele Johnson, MD and Tina Poussaint, MD, FACR</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, FACR</i>	
14:52 – 15:12	Live Q&A	
15:15 – 15:45	Industry Sponsored Product Theaters	
15:45 – 17:57	Concurrent Session: Diagnostic Session 1 Oncologic Imaging Moderators: <i>Simon Onderi, 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>John Go, MD, FACR and Marin Alisa McDonald, MD, PhD</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 Talbott, MD, PhD</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	Diagnostic Scientific Papers Oral Abstract 1: Deep Learning Vendor Agnostic DICOM-Based Reconstruction Enables 40% Faster Spine MR Scans which Match or Exceed Quality of Standard of Care- A Prospective, Multicenter, Multireader Trial <i>Suzie Bash, MD</i>	16:25 – 16:35 16:25 – 16:30 Diagnostic Scientific Papers Oral Abstract 3: Correlation of Spinal Cord Structural and Diffusion Tensor Imaging Biomarkers with Clinical Scores in Acute Cervical Spinal Cord Injured Patients <i>Arichena Manmatharayan</i>
16:30 – 16:35	Oral Abstract 2: Abnormal pB-C2 in Concussion Patients vs Controls: A Case-Control Study <i>Rebecca Ward, MD</i>	16:30 – 16:35 Oral Abstract 4: Injury Volume Extracted from MRI Predicts Neurologic Outcome in Acute Spinal Cord Injury: A Prospective TRACK-SCI Pilot Study <i>Nikhil Mummaneni</i>
16:35 – 16:55	Multidisciplinary Management: Surgical Perspective <i>John Shin, MD</i>	16:35 – 16:55 Spinal Injuries in Athletics <i>Vikas Agarwal, MD</i>
16:55 – 17:15	Multidisciplinary Management: Radiation Oncology Perspective <i>Yi An, MD</i>	16:55 – 17:15 Update Whiplash and Mild Cervical Spine Trauma <i>Johan Van Goethem, MD, PhD</i>
17:15 – 17:35	Advanced Imaging for Post Treatment Evaluation <i>Kambiz Nael, MD</i>	17:15 – 17:35 Nomenclature 3.0: Update from the Working Group <i>Gennaro D'Anna MD</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>Steve Yevich, MD, MPH and Juan Carlos Perez Lozada, MD</i>	15:45 – 17:57	Concurrent Session: Interventional Session 2: Multi-Pain Society About Interventional Pain Procedures Moderators: <i>Keith Kortman, MD and Vinil Shah, MD</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	Interventional Scientific Papers Oral Abstract 5: Spinal Bone Metastases Palliative Treatment with Radiofrequency Ablation: Multicenter OsteoCool Tumor Ablation Study (OPuS One) outcomes in 100 Patients <i>Francesco Massari, MD, PhD</i>	16:25 – 16:35 16:25 – 16:30	Interventional Scientific Papers Oral Abstract 7: Coccygeoplasty A New Alternative For Treatment Of Refractory Coccygodinia In Patients With Coccyx Fracture, Hypermobility Or Luxation:our Preliminary 12 Patients Experience <i>Aldo Eros de Vivo, MD</i>
		16:30 – 16:35	Oral Abstract 8: Use of MRI in Assessing Gaps in Ligamentum Flavum in Planning for Cervical Epidural Steroid Injections <i>Michelle Roytman, MD</i>
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 Clerck-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 - Bourbon Street Happy Hour		



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SATURDAY AGENDA

FEBRUARY 20 (9:30 – 19:45 EST)

9:30 – 10:00	Industry Sponsored Product Theaters	
10:00 – 12:00	Joint Session 2: Osteoporosis Treatment Gap with NOF/ASSR/ASNR Moderator: <i>Daniel T. Nguyen, MD and Dean E. Campbell, CRNP</i>	
10:00 – 10:22	Osteoporosis from 10,000 Feet Bird's-Eye View <i>Andrea Singer, MD</i>	
10:22 – 10:42	Osteoporosis Medical Treatment Update <i>Michael Lewiecki, MD</i>	
10:42 – 10:56	Socioeconomic Disparities in Utilization of Osteoporotic Augmentation <i>Vwaire Orhurhu, MD</i>	
10:56 - 11:08	Preoperative Bone Health Assessment in Patients Undergoing Spine Surgery <i>Kelly Krohn, MD, FACR, CCD</i>	
11:08 – 11:30	Secondary Fracture Prevention Challenges During Pandemic & Advocacy <i>Ann Lake, DNP, ONP-C, FNP-C, CCD</i>	
11:30 – 12:00	Live Q&A	
12:00 – 13:00	Industry Sponsored Product Theaters	
13:00 – 15:15	Concurrent Session: Diagnostic Session 3 AI, Virtual Reality, and All That Data Science Jazz Moderators: <i>Lex Mitchell, MD, Lisa Watanabe, MD and Lawrence Tanenbaum, MD</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 – 13:30	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>
13:30 – 14:00	Virtual Reality <i>Jonathan Morris, MD</i>	13:20 – 13:40 Cauda Equina Syndrome and Back Pain in Children: Approach and Causes <i>Anant Krishnan, MD</i>
14:00 – 14:20	3D Printing and Visualization in the Spine <i>Edward Quigley III, MD, PhD</i>	13:40 – 13:50 Diagnostic Scientific Papers 13:40 – 13:45 Oral Abstract 9: Atlas-based Quantification of DTI measures in Typically Developing Pediatric Spinal Cord <i>Shiva Shahrampour</i>
14:20 – 14:40	AI for Diagnosis of Metastatic Cancer and Benign Fracture in the Spine <i>Lydia Su, PhD</i>	13:45 – 13:50 Oral Abstract 10: High Yield CTA For Anterior Spinal Artery Localization <i>Michele Johnson, MD</i>
14:40 – 15:00	Automated AI-Based Spine Interpretation <i>Nedelcho Georgiev, PhD (non-CME)</i>	13:50 – 14:10 Paraspinal Pathology in Childhood <i>Laura Hayes, MD</i>
		14:10 – 14:30 Evaluation of Pediatric Scoliosis <i>Alexis B.R. Maddocks, MD</i>
		14:30 – 14:50 Pediatric Spine Intervention <i>Donald Cantrell, MD, PhD</i>
15:00 – 15:15	Live Q&A	14:52 – 15:15 Live Q&A



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SATURDAY AGENDA

FEBRUARY 20 *continued* (9:30 – 19:45 EST)

13:00 – 15:15	Concurrent Session: Interventional Session 3: Vertebral Augmentation (VA) and Beyond: Challenges and New Data Moderator: <i>Douglas Beall, MD, FSIR, FIPP, DAAPM and Paul Kalapos, MDCM, M. Sc.</i>	13:00 – 15:12	Concurrent Session: Interventional Session 4: Lumbar Spinal Stenosis Diagnosis and Intervention Moderators: <i>Walter Bartynski, MD and Todd Miller, MD</i>
13:00 – 13:20	Clinical Trials in Vertebral Augmentation <i>Reade De Leacy, MBBS, FRANZCR</i>	13:00 – 13:20	Imaging of Lumbar Spinal Stenosis <i>Gregory Punch, MD</i>
13:20 – 13:40	Morbidity and Mortality Effect From Vertebral Compression Fracture <i>Joshua A. Hirsch, MD, FACR, FSIR, FSNIS</i>	13:20 – 13:40	Adjacent Level Disease, Biomechanics, Imaging, and Intervention <i>Bassem Georgy, MD</i>
13:40 – 13:50 13:40 – 13:45	Interventional Scientific Papers Oral Abstract 11: Management of a Lumbar Artery Pseudoaneurysm After Radiofrequency Ablation and Kyphoplasty <i>David Nam</i>	13:40 – 14:00	Minimal Invasive Lumbar Decompression (MILD) <i>John Barr, MD, FACR, FSIR, FAHA, FSNIS</i>
13:45 – 13:50	Oral Abstract 12: Balloon Microcatheters Improve Venous Penetration of Spinal Dural Arteriovenous Fistulas Treated with Onyx <i>Vera Mayercik</i>		
13:50 – 14:20	Implanted Vertebral Augmentation <i>Stefano Marcia, MD</i>	14:00 – 14:10 14:00 – 14:05	Interventional Scientific Paper Oral Abstract 13: Fractional Anisotropy Before and After interspinous Process Device implant: A Feasibility Study <i>Matteo Bellini, MD</i>
14:20 – 14:40	Sacral Augmentation <i>Sean Tutton, MD, FSIR</i>	14:05 – 14:10	Oral Abstract 14: Novel Use of Scepter Mini Balloon Microcatheter for Endovascular Spinal Embolizations <i>Vera Mayercik</i>
14:40 – 15:00	Vertebral Reconstruction with the “Armed Concrete” Approach: the SAIF Technique <i>Alessandro Cianfoni, MD</i>	14:10 – 14:30	Interspinous Spacers <i>Wayne Olan, MD</i>
		14:30 – 14:50	Interspinous Fusion Techniques <i>Douglas Beall, MD, FSIR, FIPP, DAAPM</i>
15:00 – 15:15	Live Q&A	14:52 – 15:15	Live Q&A
15:15 – 15:45	Industry Sponsored Product Theaters		
15:45 – 17:37	Concurrent Session: Diagnostic Session 5 Acute Non-Traumatic Spine Emergencies Moderators: <i>Troy Hutchins, MD and Gaurang Shah, MD, FACR, FASFR</i>	15:45 – 17:37	Concurrent Session: Diagnostic Session 6 Chronic Spine Pathologies Moderators: <i>Elliott Friedman, MD and Eric Schwartz, 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	Degenerative Cervical Myelopathy <i>Jeffrey Ross, MD</i>
16:25 – 16:35 16:25 – 16:30	Diagnostic Scientific Papers Oral Abstract 15: Atypical Intervertebral Disc Enhancement in Postoperative Lumbar MR Imaging <i>Anthony Kuner, MD</i>	16:25 – 16:35 16:25 – 16:30	Diagnostic Scientific Papers Oral Abstract 17: Cervical Puncture: Patient Variables Affecting Safety and Feasibility <i>Ross Frederick</i>
16:30 – 16:35	Oral Abstract 16: MRI Findings of Arachnoiditis, Revisited. Is Classification Needed? <i>Maria El Homsy, MD</i>	16:30 – 16:35	Oral Abstract 18: Diagnostic Yield of Gadolinium Magnetic Resonance Myelography <i>Ajay Madhavan, MD</i>



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SATURDAY AGENDA

FEBRUARY 20 *continued* (9:30 – 19:45 EST)

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>Kieran Murphy, MD, FRCPC, FSIR and Derrick D. Wagoner, DO</i>	15:45 – 17:57	Concurrent Session: Interventional Session 6: Headache and the Spine Moderators: <i>Peter Kranz, MD and 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, FAHS</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	Interventional Scientific Papers 5		
16:25 – 16:30	Oral Abstract 19: Simulation Based Curriculum for Lumbar Puncture in a Medical Student Cohort <i>Puneet Rana, MD, MS</i>		
16:30 – 16:35	Oral Abstract 20: Strategies to Avoid Vascular Injury in Percutaneous Spinal Interventions <i>David Nam</i>		
16:35 – 16:55	SI Joint RFA: An Evidence Based Review <i>William A. Moore, MD</i>	16:35 – 16:55	Anatomy of Upper Cervical Dermatomes <i>Justin Costello, MD</i>
16:55 – 17:15	Surgical Treatments: Lateral and Posterolateral <i>Jeff Donner, MD</i>	16:55 – 17:15	Spinal CSF Leaks: Diagnostic Tips and Tricks <i>Mark Mamlouk, MD</i>
17:15 – 17:35	Posterior Approach to SI Fusion <i>Dawood Sayed, MD</i>	17:15 – 17:35	Post-Dural Puncture Headache <i>Michael Malinzak, MD, PhD</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>Joseph Sullivan, MD and Harprit Bedi, MD</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		



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SUNDAY AGENDA

FEBRUARY 21 (10:00 – 14:30 EST)

9:30	International Welcome Meeting <i>Daniel T.D. Nguyen, MD</i>
10:00 – 11:37	Joint Session 3: Spine Care Around the World Moderator: <i>Amit Mahajan, MBBS, MD and Jennifer Becker, MD</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, M.B.B.S, FRANZCR</i>
11:00 – 11:15	Colombia: Degenerative Disc Injectable Gel Clinical Trial <i>Alfonso Spath, MD</i>
11:17 – 11:37	Live Q&A
11:40 – 11:55	Industry Sponsored Product Theaters
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 – 12:45	Best of Diagnostic Articles 2020 <i>Jay Acharya, MD</i>
12:45 – 13:05	Best of Interventional Articles 2020 <i>Cynthia T Chin, MD</i>
13:05 – 13:25	My Best Diagnostic Cases <i>Richard Wiggins III, MD, CIIP, FSIM, FAHSE</i>
13:25 – 13:45	My Best Interventional Cases <i>Allan Brook, MD, FACR, FSIR</i>
13:47 – 14:07	Live Q&A
14:07 – 14:20	Present the Theme of the 2022 Austin Meeting / Closing Remarks <i>Lubdha M. Shah, MD, MS and Daniel T.D. Nguyen, MD</i>
14:20	Annual Business Meeting



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INDUSTRY SPONSORED PRODUCT THEATERS

FRIDAY, FEBRUARY 19 (10:00 – 15:45 EST)

10:00 – 10:30	Spinal Simplicity Minuteman: MIS Fusion <i>Douglas P. Beall, MD</i>
10:30 – 11:00	Merit ARCADIA™: Steerable Technology, Bipedicular Outcomes via Unipedicular Approach in Balloon-Assisted Vertebral Augmentation <i>Dawood Sayed, MD, Douglas Beall, MD</i> <i>Moderated by Jack Jennings, MD, PhD</i>
11:00 – 11:15	Elliquance Minimally Invasive Discectomy with Disc-FX <i>Douglas P. Beall, MD</i>
11:15 – 11:30	Elliquance Endoscopic Rhizotomy/Neurotomy with Elliquance <i>Jason Capra, MD</i>
11:30 – 11:45	Genesys Spine Genesys Spine Posterior Allograft System-A Solution for SI Joint Pain <i>William W. Sowers, B.S., M.S., Vice President, Engineering, Genesys Spine</i>
11:45 – 12:00	Vivex VIA Disc: The First and Only Disc Tissue Allograft for Intervertebral Disc Degeneration <i>Douglas P. Beall, MD</i>
15:15 – 15:45	Philips Healthcare Pushing the Boundaries with Innovation <i>Donald Baker R.T. (R) (CT) (MR), Business Marketing Manager, MR Philips Healthcare</i>

SATURDAY, FEBRUARY 20 (9:30 – 15:45 EST)

9:30 – 9:45	Relievant “Long-term Outcomes Following Intraosseous Basivertebral Nerve Ablation for the Treatment of Chronic Low Back Pain: 5-Year Treatment Arm Results from a Prospective Randomized Double-Blind Sham-Controlled Multi-Center Study” <i>Jeffrey Fischgrund, MD, Chairman, Orthopaedic Department, William Beaumont Hospital, Royal Oak, MI</i>
9:45 – 10:00	Stratus Medical Stratus Medical: Building your Genicular RFA Practice <i>Jonathan Goree, MD, UAMS</i>
12:00 – 13:00	Medtronic Choosing the Right Tool for the Job: Decision Making in VCF and Metastatic Bone Tumor Treatments <i>Jawad Hussain, MD, IR, Richmond, VA</i>
15:15 – 15:30	Smart Soft Columbo-The First Multi-Pathology AI Software for Spine MRI <i>Nikolay Todorov, Smart Soft</i>
15:30 – 15:45	Vertos Medical The <i>Mild</i> Procedure-Remove the Problem, Leave Nothing Behind <i>Eugene Paik, MD, The Christ Hospital Health Network</i>

SUNDAY, FEBRUARY 21 (11:40 – 11:55 EST)

11:40 – 11:55	ReGelTec Hydrafil (Hydrogel) for Degenerative Disc Disease: Background, Results and Treatment Possibilities <i>Douglas P. Beall, MD</i>
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Industry Sponsored Theaters are not part of the CME accredited program.



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