

SOCIETY OF SKELETAL RADIOLOGY



SSR 2024
eAgenda

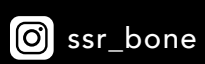
47th ANNUAL MEETING

March 2-6, 2024

Caribe Hilton • San Juan, Puerto Rico



network **Hilton Honors Meeting** • password **SSR2024**



www.skeletalrad.org

SSR2024

INDUSTRY SPONSORED PRODUCT THEATER BREAKFAST
Monday, March 4 ▪ 7:00 am – 8:00 am ▪ San Cristobal Ballroom

THE INTERVENTION IS IN YOUR HANDS



Joseph F. Cerami III
National Sales Manager, IZI Medical



INDUSTRY SPONSORED PRODUCT THEATER BREAKFAST
Tuesday, March 5th ▪ 7:00 am – 8:00 am ▪ San Cristobal Ballroom

AI-POWERED MR IMAGING ADVANCEMENTS IN MSK



Iman Khodarahmi, MD, PhD



SATISFACTORY COMPLETION

Learners must complete an evaluation form to receive a certificate of completion. **Live:** Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. **Enduring:** You must attend the entire webinar as partial credit is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement

JOINT ACCREDITATION STATEMENT



In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Society of Skeletal Radiology (SSR). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Amedco Joint Accreditation #4008163.

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Amedco LLC designates this enduring material for a maximum of **21.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SSR HEALTH & WELLNESS COMMITTEE • SPECIAL SESSIONS & ACTIVITIES

10:30
am

Monday, March 4

Health & Wellness #1

Ergonomics 101 for MSK Radiologists

Stacy Smith, MD

10:30
am

Tuesday, March 5

Health & Wellness #2

Moving Forward While Taking 1 Step Back:
Strategies for Your To Do List

Lauren Ladd, MD

1:30
pm

Tuesday, March 5

SSR ANNUAL GOLF OUTING

(Separate Registration and Fee Required)

10:30
am

Wednesday, March 6

Health & Wellness #3

Technology for Wellness:
Review of Apps and Platforms

Nicole Sztuk, MD

SSR Tennis Tournament • Saturday, March 2

Take part in the first ever SSR Tennis Tournament! The tournament will take place on Saturday March 2nd at the Caribe Hilton tennis courts. The tournament will take place from 4:00pm - 6:00pm, with warm up time from 4-4:30pm. Limited loan rackets are available for the first 6 registrants. Estimated registration fee will be \$20.00.

Golf Outing • Tuesday, March 5

The 2024 Golf Outing will take place at the Bahia Beach Resort, Tee Time is 1:30pm. Registration includes: Green Fee, Cart Fee, Service Charge, Practice Balls, Bag Tag, tournament coordination and bottle of water. Transportation to Bahia Beach Resort is the responsibility of the golfer.

El Yunque Rainforest Tour • Tuesday, March 5

This tour is designed with all ages in mind and as such is a low impact tour. Your guests will be visiting the Visitor Center of El Yunque where they can get ecological information on the Rainforest, from there they will be transported on the bus to the observation tour inside of the rainforest and to an observational waterfall called La Coca. The last stop of the tour will be a small trail where they will have their river stop and have the option to swim in a river pool.

THINGS TO DO IN PUERTO RICO



47th ANNUAL MEETING • March 2-6, 2024

All sessions will be in **San Geronimo Ballroom**, unless otherwise noted. Times Listed in Atlantic Standard Time (AST)

SATURDAY, MARCH 2

1:00 pm – 6:30 pm **Registration/Information Desk Open** • *San Cristobal Foyer A*

4:00 pm – 6:30 pm **Career Exploration Workshop (non-cme)** • *Flamingo*

4:00 pm Panel Discussion: Private Practice versus Academics
Jon Jacobson, MD, Timothy Klostermeier, MD

5:00 pm Speed Mentoring
Mentors: *Jade Anderson, MD, Eric Brandser, MD, Dan Davis, MD, Leah Davis, MD, Eric England, MD, Christian Geannette, MD, Eric Goodman, MD, Robert Morris, MD, Jenni Pierce, MD, Mihra Taljanovic, MD*

6:30 pm – 7:30 pm
RESIDENT MEET & GREET
COCKTAIL RECEPTION

HAMMOCK GARDEN



SUNDAY, MARCH 3

7:00 am – 4:30 pm **Registration/Information Desk Open** • *San Cristobal Foyer A*

7:00 am – 7:45 am **Continental Breakfast** • *San Cristobal Ballroom*

7:00 am – 4:30 pm **Exhibit Hall Open/Electronic Exhibits Open** • *San Cristobal Foyer A*

7:45 am – 8:45 am **ANNUAL BUSINESS MEETING**

8:45 am – 9:00 am **BREAK with EXHIBITORS** • *San Cristobal Foyer A*

9:00 am – 10:15 am **Special Presentations** Moderators *Donna Blankenbaker, MD, FACR, Lawrence White, MD*

9:00 am **#1** Welcome *Edgar Colon, MD, Jorge Vidal, MD*

9:10 am **#2** The State of the Musculoskeletal Radiology Fellowship Match: 2023 Update *Maxie Kresse, MD*

9:30 am **#3 Best Resident Abstract:** Elongated Morphology of Osteoid Osteoma in Young Children Predicts Ablation Treatment Failure *Eric Tung, MD*

9:45 am **#4** Standardized MRI Nomenclature for Knee Menisci: SSR White Paper Panel Report
Jie Nguyen, MD, MS

10:00 am **#5 ESSR/SSR Award Presentation:** Wrist Instability After Sectioning the Different Components of the Scafolunate Ligament and DCSS Using a Cadaveric Model *Badr Sellami, MD*

10:15 am – 10:20 am **Case of the Day #1** *Jack Strahan, MD*

10:20 am – 10:45 am **BREAK with EXHIBITORS** • *San Cristobal Foyer A*

10:45 am – 12:00 pm **National Trends in MSK Imaging** Moderators *Hailey Allen, MD, Naveen Subhas, MD*

10:45 am **#6** Utilization Trends for MR Arthrogram of Hip and Shoulder: Analysis of 20-year Data from a Large Tertiary Care Academic Medical Center *Ragheed Al-Dulaimi, MD, MPH*

11:00 am **#7** SSR AI Committee Position Statement Update: Top 10 High-Impact AI Applications and Value Propositions for Musculoskeletal Radiologists *Jan Fritz, MD*

11:15 am **#8** Current State of Musculoskeletal Fellowship Directors and Future Directions *Maxie Kresse, MD*

11:30 am **#9** MRI Evaluation of the Lumbar Spine: A Survey-Based Assessment of Protocols Used by Musculoskeletal Radiologists in the USA *Laura Fayad, MD*

11:45 am **#10** NFL Game Day: Utility of MSK Ultrasound *Johannes Roedl, MD*

12:00 pm – 12:05 pm **Case of the Day #2** *Pamela Garza-Báez, MD*

12:05 pm – 1:30 pm **LUNCH** • *Las Olas Terrace*

SUNDAY, MARCH 3 *(continued)***1:30 pm - 2:45 pm Post-Operative Imaging Update** Moderator *Doug Mintz, MD*

- 1:30 pm **Shoulder: MRI After Massie Cuff Repair** *Maryam Soltanolkotabi, MD*
- 1:50 pm **Knee: Chondral and Meniscal Joint-Preserving Surgical Options** *Erin Alaia, MD*
- 2:10 pm **MRI Findings of New and Unusual MSK Procedures** *Philip Colucci, MD*
- 2:30 pm **Q&A**

2:45 pm - 3:15 pm BREAK with EXHIBITORS • San Cristobal Foyer A**3:15 pm - 4:15 pm Multiple Myeloma Update** Moderator *Connie Chang, MD*

- 3:15 pm **PET/CT: The Good, The Bad, and The Ugly** *F. Joseph Simeone, MD*
- 3:30 pm **Whole Body MRI: Technique, Approach, Interpretation, and Unusual Findings** *Shivani Ahlawat, MD*
- 3:45 pm **Advanced Imaging: Nuts, Bolts, and Dollars** *Connie Chang, MD*
- 3:55 pm **Bone Biopsy Cost-Effective Analysis: CT, Fluoroscopy, or No Imaging Guidance** *Soterios Gyftopoulos, MD*
- 4:05 pm **Q&A**

MONDAY, MARCH 4**7:00 am - 3:30 pm Registration/Information Desk Open • San Cristobal Foyer A****7:00 am - 8:00 am Industry Sponsored Product Theater Breakfast • San Cristobal Ballroom****7:00 am - 4:30 pm Exhibit Hall Open/Electronic Exhibits Open • San Cristobal Foyer A****7:30 am - 8:00 am Rapid Fire Resident Research Presentations I** Moderators *Connie Chang, MD, Maxine Kresse, MD*

- 7:30 am **#R1** Comparison of Multimodality Imaging and Histopathology for the Confirmation of Calciphylaxis in a Diverse Population: A Retrospective Cohort Study *Sarah Fischer, MD*
- 7:40 am **#R2** A New Relevant Integrated Radiological and Surgical Classification Scheme for Giant Cell Tumors of Bones *Yu-Cherng Chang, MD, PhD*
- 7:50 am **#R3** Utility of Trabecular Bone Score (TBS) in the Evaluation of Lung Transplant Candidates *Aspan Shokrehuda, MD*

8:00 am - 10:00 am Upper Extremity Moderators *Antonia Caldwell, MD, David Rubin, MD, FACR*

- 8:00 am **#11** Tendon Elongation After Rotator Cuff Repair and its Relationship with Postoperative Shoulder Function *Joshua Polster, MD*
- 8:15 am **#12** Is Ultrasound-Guided Barbotage of Rotator Cuff Calcific Tendinitis Completely Benign? Retrospective Follow-Up of the Integrity of the Rotator Cuff *Adarsh Bellur, MD*
- 8:30 am **#13** Chasing a Ghost on the Shoulder MRI: Failed Hardware after Rotator Cuff Repair *Ragheed Al-Dulaimi, MD*
- 8:45 am **#14** Clinical Implementation of 5-Minute Deep Learning Augmented MRI for the Shoulder: An Arthroscopy-Validated Diagnostic Assessment *Jan Fritz, MD*
- 9:00 am **#15** Evaluating Radiographic and Clinical Predictors of Acromion Fractures in Patients with Reverse Total Shoulder Arthroplasties *Ryan Tai, MD*
- 9:15 am **#16** Diagnostic Workup of Ulnar Neuropathy at the Elbow: A Cost-Effectiveness Study *Meghan Jardon, MD*
- 9:30 am **#17** Sagittal Band and Collateral Ligament Tears of the Lesser Metacarpophalangeal Joints: Association and Concurrent Soft Tissue Injuries *Joao Rafael Vicentini, MD*
- 9:45 am **#18** Evaluation of Ultimate Frisbee-Related Injuries: A Comprehensive Analysis of Injury Types, Prevalence, and Imaging Spectrum *Navid Faraji, MD*

10:00 am - 10:05 am Case of the Day #3 - Lulu He, DO, DABR**10:05 am - 10:30 am BREAK with EXHIBITORS • San Cristobal Foyer A**

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MONDAY, MARCH 4 (continued)

10:30 am - 10:45 am	Health & Wellness #1: Ergonomics 101 for MSK Radiologists <i>Stacy Smith, MD</i>
10:45 am - 12:45 pm	Strategies to Improve Clinical Practice Moderators <i>Jennifer Demertzis, MD, Andrew Sonin, MD</i>
10:45 am	#19 Status and Perceptions of Work from Home in Three Academic Musculoskeletal Radiology Divisions <i>Swati Deshmukh, MD</i>
11:00 am	#20 Reverse Auction for Allocating Coverage of Holiday Shifts <i>Eric Brandser, MD</i>
11:15 am	#21 Magnitude of Procedures Impact on Daily RVUs of Musculoskeletal Radiologists <i>Oganes Ashikyan, MD</i>
11:30 am	#22 Novel On-Demand Scheduling Alleviates Long List Anxiety Syndrome <i>Eric Brandser, MD</i>
11:45 am	#23 Implementing Patient-reported Outcome Measures in Musculoskeletal Radiology Intervention: Our Experience on How to Start and Preliminary Results <i>Mohammad Samim, MD</i>
12:00 pm	#24 Translating Musculoskeletal MRI Reports into Patient-friendly Summaries Using ChatGPT <i>Karla Wetley, MD</i>
12:15 pm	#25 3D Augmented Radiographs: A New Concept for Early Extremity Fracture Detection in the Emergency Department Setting, Initial Experience <i>Ragheed Al-Dulaimi, MD, MPH</i>
12:30 pm	#26 Artificial Intelligence Improves Resident Detection of Pediatric Upper Extremity Fractures <i>John Zech, MD</i>
12:45 pm - 12:50 pm	Case of the Day #4 <i>Andrew Sill, MD</i>
1:30 pm - 3:30 pm	MSK ULTRASOUND HANDS-ON WORKSHOP: SHOULDER (Separate registration/includes lunch) Moderator <i>Benjamin Levine, MD</i>
1:30 pm	LIVE VIDEO DEMONSTRATION • <i>San Geronimo Ballroom</i> <i>Theodore Miller, MD, Benjamin Levine, MD</i>
2:00 pm	HANDS-ON WORKSHOP • Flamingo Instructors: <i>Angela Atinga, MD, Antonia Caldwell, MD, Joseph Craig, MD, Mark Cresswell, MD, Jordan Gross, MD, Jon Jacobson, MD, Yoav Morag, MD, Akira M. Murakami, MD, Jenni Pierce, MD, Linda Probyn, MD, Humberto Rosas, MD, Andrew Ross, MD, MPH, Sandra Rutigliano, MD</i>

LIVE ONLY

7:00 PM - 10:00 PM | *Vistabella View* **Annual Banquet**




Exhibitor Passport

COLLECT 8 SIGNATURES AND EARN YOUR LIMITED EDITION SSR COOLER TOTE!

Submit your completed Exhibitor Passport to the SSR Registration & Information Desk. Supplies are limited.

TUESDAY, MARCH 5

7:00 am - 4:15 pm **Registration/Information Desk Open • San Cristobal Foyer A**

7:00 am - 8:00 am **Industry Sponsored Product Theater Breakfast • San Cristobal Ballroom**

7:00 am - 2:00 pm **Exhibit Hall Open • San Cristobal Foyer A**

7:00 am - 4:15 pm **Electronic Exhibits Open • San Cristobal Foyer A**

7:30 am - 8:00 am **Rapid Fire Resident Research Presentations II** Moderators *Joe Delic, MD, Shefali Kothary, MD*

7:30 am **#R4** From Positive Radiographic Findings to Formal Dictation with ChatGPT *Nolan Hayden, MD*

7:40 am **#R5** Comparison of 1.5T vs 3T Deep Learning Reconstruction in Shoulder MRI: A Preliminary Subjective Assessment *Ethan Radzinsky, MD*

7:50 am **#R6** Light 'Em Up! Early Experience Utilizing 18F-FDG PET/MRI to Pinpoint Pain Generators in Patients with Diagnostically Challenging Chronic Pain *Vyshnavi Reddy, MD*

8:00 am - 10:00 am **Knee** Moderators *Vivek Kalia, MD, Andrew Ross, MD*

8:00 am **#27** Anterior Horn Meniscal Tears on MRI: When Do They Matter? *Stephen Judge, MD*

8:15 am **#28** Enterprise-Wide Implementation of 4-Minute High-Resolution Deep Learning Super-Resolution MRI of the Knee: Arthroscopy-Validated Diagnostic Performance *Jan Fritz, MD*

8:30 am **#29** Does Patellofemoral Impingement Correlate to Accelerated Patellofemoral Articular Cartilage Abnormalities on MRI?: A Preliminary Analysis *Navid Faraji, MD*

8:45 am **#30** Patellar Tendon to Lateral Trochlear Ridge (PT-LTR) and Caton-Deschamps Index (CDI) MRI Measurements: Emerging Relevance in Patellar Instability *Roman Shrestha, MD*

9:00 am **#31** Preliminary Results on Quantitative MRI Cartilage Loss Biomarkers and its Association with Future Arthroplasty Using Osteoarthritis Initiative Database *Stephanie Jo, MD, PhD*

9:15 am **#32** Postoperative Imaging Following Arthroscopic Double-Bundle Posterior Cruciate Ligament (PCL) Reconstruction Grafts: Characterization of Imaging Findings and Temporal Changes on MRI *Lawrence White, MD*

9:30 am **#33** Accessory Plantaris and Iliotibial Band Syndrome: Is IT BS? *Monica Cooley, MD*

9:45 am **#34** Acute Traumatic Injuries Among Adult Pickleball Athletes: A Case Series and Clinical Review *Ian Kane, MD*

10:00 am - 10:05 am **Case of the Day #5** Ryan Lawhorn, DO

10:05 am - 10:30 am **BREAK with EXHIBITORS • San Cristobal Foyer A**

10:30 am - 10:45 am **Health & Wellness #2: Moving Forward While Taking 1 Step Back: Strategies for Your To Do List**
Lauren Ladd, MD

10:45 am - 12:45 pm **Hip, Ankle, Foot** Moderators *Iman Khodarahmi, MD, Tetyana Gorbachova, MD*

10:45 am **#35** Acetabular Labrum Anomalies: Distinguishing Normal Anatomic Variants from Pathological Tears *Manickam Kumaravel, MD*

11:00 am **#36** Increased Incidence of Dynamic Ischiofemoral Impingement in Military Recruits *Jennifer Henning, MD*

11:15 am **#37** (How) Can They Still Play? MR of Professional Soccer Players and the Clinical Significance of Pubic Symphyseal and Hip Lesions *Ara Kassarian, MD*

11:30 am **#38** Correlation of Radiographic and MRI Findings of Cartilage Abnormalities of the Hip Joint and Baseline Symptoms in Patients with Femoroacetabular Impingement? A Pre-operative and Intra-operative Correlation Study *Meghan Jardon Zikaras, MD*

11:45 am **#39** MRI Findings of Extraplural Sciatic After Proximal Hamstring Repair *Meghan Sahr, MD*

12:00 pm **#40** Talar Neck Osteoid Osteoma, the Not So Uncommon Great Mimicker that Continues to Defy and Delay Accurate Diagnosis: A Root Cause Analysis of Diagnostic Failure *Hilary Umans, MD*

12:15 pm **#41** Radiologic Plantar Fasciitis Classification: Correlation of MRI with Histopathologic Findings of Unique Plantar Fasciotomy Specimens *Chase Jeppesen, DO*

12:30 pm **#42** Seeking a Sound Solution for Plantar Fasciitis: Ultrasound-Guided Percutaneous Needle Tenotomy for Refractory Plantar Fasciitis *Cory Stephenson, MD*



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TUESDAY, MARCH 5 (continued)

12:45 pm - 12:50 pm **Case of the Day #6** Alyssa Stauber, MD

12:50 pm - 2:00 pm **LUNCH ON YOUR OWN**

1:30 PM SSR ANNUAL GOLF OUTING (Separate registration and fee required.)

2:00 pm - 4:15 pm **AI Symposium** Moderator *Ari Jonisch, MD, Hillary Garner, MD* - **Bring your laptop to this session**

Artificial Intelligence in AI

2:00 pm Current Successes and Shortfalls of AI in MSK Practice *Hillary Garner, MD*

2:15 pm Governance of AI in Clinical Practice *Hari Trivedi, MD*

2:30 pm Navigation of the MSK AI Commercial Product Landscape *Oganes Ashikyan, MD*

2:45 pm Q/A

2:55 pm The Role of an AI App Store to Optimize your AI Experience *Kenneth Buckwalter, MD*

3:10 pm Future Predictions on AI Integration in MSK Practice *Jan Fritz, MD*

3:25 pm Q/A

Hands-on Session

3:35 pm Deep Learning for MSK Radiologists- Hands-on Prompt Engineering ChatGPT and MidJourney
Michael Richardson, MD

WEDNESDAY, MARCH 6

7:00 am - 1:00 pm **Registration/Information Desk Open** • *San Cristobal Foyer A*

7:00 am - 7:45 am **Continental Breakfast** • *San Cristobal Ballroom*

7:00 am - 10:30 pm **Exhibit Hall Open** • *San Cristobal Foyer A*

7:00 am - 12:45 pm **Electronic Exhibits Open** • *San Cristobal Foyer A*

7:30 am - 8:00 am **Rapid Fire Resident Research Presentations III**
Moderators *Maryam Soltanolkotabi, MD, Jennifer Weaver, MD*

7:30 am **#R7** Point of Care Ultrasound Screening of Asymptomatic Patellar Tendons in Collegiate Athletics: Longitudinal Study - What the MSK Radiologist Needs to Know *Daniel Morgan, DO*

7:40 am **#R8** Posterior Interosseous Nerve Perineural Injections: Are They Effective in the Treatment of Radial Tunnel Syndrome? A Five-Year, Single Institution Case Series and Outcomes *Jordyn Shah, DO*

7:50 am **#R9** Novel Approach for Percutaneous Ultrasonic Debridement with the Tenex Tx-Bone Device
Jaclyn Lundberg, MD

WEDNESDAY, MARCH 6 *(continued)***8:00 am – 10:00 am** **Tumor** Moderators *Behrang Amini, MD, PhD, Mark Murphey, MD*

- 8:00 am **#43** MRI T2 Halo Sign Validation: Is the Specificity for Malignancy Overstated? *Andrew Gallo, DO*
- 8:15 am **#44** Can Perilesional Edema and Intralesional Signal Heterogeneity on MRI Help Us Distinguish Benign Myxomas from Myxoid Sarcomas? *Shruthi Suresh, MD*
- 8:30 am **#45** Imaging of Chondrosarcoma of Bones of the Hands and Feet with Pathologic Correlation *Bryan Kantner, MD*
- 8:45 am **#46** Intraosseous Lesions with Extraosseous Extension of Tumor: Does Biopsying Only the Soft Tissue Component Result in an Acceptable Diagnostic Yield? *Ahmed Gabr, MD*
- 9:00 am **#47** MRI Radiomics: A Powerful Machine Learning/AI Tool for Diagnostic Differentiation of Soft Tissue Malignant Myxoid Sarcomas and Benign Intramuscular Myxomas *Hadas Benhabib, MD, MS*
- 9:15 am **#48** Novel Use of Contrast-Enhanced Susceptibility Imaging (CE-SWI) in Assessing Treatment Response in Extremity Soft-tissue Undifferentiated Pleomorphic Sarcoma (UPS) *Raul Valenzuela, MD*
- 9:30 am **#49** Utility of Slow Flow State Doppler Ultrasound in Evaluation of Soft Tissue Masses *Craig Bearison, MD*
- 9:45 am **#50** Novel Use of Contrast-Enhanced Susceptibility-Weighted Imaging (CE-SWI) in the Treatment Assessment of Desmoid Fibromatosis: Early results from a Specialized Cancer Institution *Raul Valenzuela, MD*

10:00 am – 10:05 am **Case of the Day #7** *Benjamin Northrup, MD***10:05 am – 10:30 am** **BREAK with EXHIBITORS** • *San Cristobal Foyer A***10:30 am – 10:45 am** **Health & Wellness #3: Technology for Wellness: Review of Apps and Platforms** *Nicole Sztuk, MD***10:45 am – 12:45 pm** **Spine and Interventional** Moderators *Doug Beall, MD, David Gimarc, MD*

- 10:45 am **#51** Can Gas and Infection Coexist in the Intervertebral Disc? A Retrospective Analysis of Percutaneously Biopsied Suspected Discitis-Osteomyelitis Cases *Connie Chang, MD*
- 11:00 am **#52** Imaging and Clinical Features of Emphysematous Osteomyelitis: A single-center Case Series of 29 Patients *Anas Saeed Bamashmos, MD*
- 11:15 am **#53** Outcomes Following Image-guided Steroid Injections in Pediatric and Young Adult Patients *Kyle Grassel, MD*
- 11:30 am **#54** Does Multiecho Fast Field Echo Increase Accuracy in Diagnosis of Spondylolysis in the Lumbar Spine? *Hamza Alizai, MD*
- 11:45 am **#55** Treatment of Aneurysmal Bone Cysts (ABCs) by Combined Doxycycline and Bone-graft Substitute: An Improvement over Doxycycline Alone *Taylor Stone, MD*
- 12:00 pm **#56** Transpedicular-Transdiscal Cement Augmentation Technique in the Treatment of Proximal Junctional Spinal Fusion Hardware Failure – A 5-Year Follow Up *David Gimarc, MD*
- 12:15 pm **#57** CT Guided Versus Non-image Guided Bone Marrow Aspiration and Biopsy: Comparison of Indications, Specimen Quality and Cost *Jim Wu, MD*
- 12:30 pm **#58** Surgical-Radiologic Correlation of Photodynamic Nails *David Gimarc, MD*



ELECTRONIC EXHIBITS

SHOULDER	
Exhibit 1	Evaluation of Functional Mobility, Shoulder Coordination Variability, and Rotator Cuff Tear in Community-Dwelling Older Adults: A Pilot Study <i>Derik Davis, MD</i>
Exhibit 2	Radial Imaging of the Shoulder – A Useful Tool for Resident Education? <i>Robert Morris, MD</i>
Exhibit 3	Lessons from Interventional MR-Guided Arthrography: What is the Diagnostic Value of MR Arthrography in the Evaluation of the Shoulder Joint? <i>Laura Fayad, MD</i>
Exhibit 4	Spectrum and Patterns of Shoulder Pathology on MRI in Symptomatic Elite Wheelchair Basketball Athletes <i>Anne Prévaille-Gendreau, MD</i>
Exhibit 5	Seeing Clearly: How Clinically Useful are Localizers for Shoulder MRI? <i>Eitan Sosner, MD</i>
ELBOW	
Exhibit 6	Minimizing the Risk of Iatrogenic Radial Nerve Injury in Children with Medial Epicondylar Fracture Fixation: How Close is the Radial Nerve? <i>Shivani Ahlawat, MD</i>
WRIST/HAND	
Exhibit 7	Thumbs Up: Exploring the First Carpometacarpal, Metacarpophalangeal, and Interphalangeal Joints <i>Wilfred Manzano, MD</i>
HIP/THIGH	
Exhibit 8	Where Does it Hurt? Variability in Location of Edema Relative to MRI Compatible Pain Marker in Collegiate Football Players with Hamstring Strain Injury <i>Peter Cormier, MD</i>
Exhibit 9	Is Hip Pain in Athletes All Stress? Update on MR Diagnosis and Classification <i>Jenny Bencardino, MD</i>
Exhibit 10	Unveiling Hip Microinstability: A Clinically Focused Imaging Evaluation <i>Manickam Kumaravel, MD</i>
Exhibit 11	Magnetic Resonance Imaging of Posterior Hip Impingement in Professional Ballet Dancers: A Unique Pain in the Buttocks <i>Christopher Konfirst, MD</i>
KNEE	
Exhibit 12	Predicting Knee Osteoarthritis in Healthy Individuals: Data from Osteoarthritis Initiative (OAI) <i>Atefe Pooyan, MD, MPH</i>
Exhibit 13	Sigma-1 Receptor Changes in Chronic Knee Pain: Preliminary Results of Fifteen Patients Using PET/MRI <i>Rianne Van Dr Heijden, MD, PhD</i>
Exhibit 14	Automatic Knee Structure Segmentation Using Convolutional Neural Networks: Data from Osteoarthritis Initiative <i>Atefe Pooyan, MD, MPH</i>
Exhibit 15	Predicting Total Knee Replacement Using Multimodal Explainable Radiomics Model in Osteoarthritis Patients: Data from the Osteoarthritis Initiative (OAI) <i>Atefe Pooyan, MD, MPH</i>
Exhibit 16	Joint Preservation Surgery at the Knee: A Radiologist's Primer for Assessment of Alignment Radiographs <i>Angela Atinga, MD, FRCR</i>
Exhibit 17	The Association Between Distal Iliotibial Band Friction Syndrome and the Increase in Tibial Tubercle-trochlear Groove (TT-TG) Distance <i>Abdullah Alfaqih, MD</i>

ELECTRONIC EXHIBITS

KNEE (continued)	
Exhibit 18	Performance of 2D and 3D Magnetic Resonance Imaging for Diagnosis of Meniscal Pathology <i>Andrew Sill, MD</i>
Exhibit 19	A Rare Case of Isolated Tuberculosis of the Patella <i>Alexander Hsu, DO, MS</i>
ANKLE/FOOT	
Exhibit 20	Frequency of Peroneal Compartment Pathology in a Large Series of Ankle MRIs from a Tertiary Care County US Hospital: Imaging-based Epidemiological Study <i>Avneesh Chhabra, MD</i>
Exhibit 21	Functional Differences in Achilles Tendon Conditioning/Training of Professional Ballet Dancers: Pandemic vs Post-pandemic Comparison Utilizing Shear Wave Elastography (SWE) <i>Felix Gonzalez, MD</i>
TUMORS AND TUMOR-LIKE LESIONS	
Exhibit 23	WHO 2020 Bone Lesion Update: What the Radiologist Needs to Know <i>Behrang Amini, MD, PhD</i>
Exhibit 24	A Wolf in Sheep's Clothing: Rare Intraosseous Leiomyosarcoma with Benign Radiographic Features <i>Lauren Graham, MD</i>
Exhibit 25	Sclerosing Perineurioma of the Hindfoot: A Case Report <i>Pamela Garza-Báez, MD</i>
Exhibit 26	Imaging Features of Perinephric Myxoid Pseudotumor of Fat <i>Jen Knight, MD</i>
Exhibit 27	Imaging of Musculoskeletal Ancient Schwannoma with Pathologic Correlation <i>Christopher Knaus, MD</i>
Exhibit 28	Diagnostic Utility of PSMA PET-CT in the Setting of Single Tracer-avid Bone Lesions <i>Ravikumar Patel, MD</i>
Exhibit 29	Multimodality MRI-Based Automatic Segmentation Soft Tissue Sarcoma Tumors Using Deep Learning <i>Ehsan Alipour, MD</i>
Exhibit 30	Osteolysis: Not Just the Distal Clavicle <i>Aishwarya Gulati, MD</i>
Exhibit 31	Perfusion Weighted-imaging with Dynamic Contrast Enhancement (PWI/DCE) for the Treatment Assessment of Extremity Soft-tissue Non-myxoid Undifferentiated Pleomorphic Sarcoma (UPS) <i>Raul Valenzuela, MD</i>
Exhibit 32	Dynamic Contrast-Enhanced Magnetic Resonance Imaging for Evaluating Treatment Response in Soft-Tissue Sarcomas: A Systematic Review <i>Arash Azhideh, MD, MPH</i>
Exhibit 33	Multi-parametric MRI for the Treatment Assessment of Lower Extremity Soft-Tissue Undifferentiated Pleomorphic Sarcoma (UPS) <i>Raul Valenzuela, MD</i>
Exhibit 34	NF1-related Malignant Peripheral Nerve Sheath Tumor: Can MRI Predict Grade? <i>Shivani Ahlawat, MD</i>
Exhibit 35	Quality of Musculoskeletal Neoplasms Internet Image Search Results – Is it Worth Your Time to Open a Browser? <i>Oganes Ashikyan, MD</i>
Exhibit 36	Multi-modality Radiomics Model for Prediction of Clean Tissue Margin After Surgical Excision of Soft Tissue Sarcoma <i>Ehsan Alipour, MD</i>



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Exhibit 38	Osteoid Osteoma: Challenges in Diagnosis and Treatment of Atypical Cases <i>Alexander Hsu, DO</i>
Exhibit 39R	Oops I Did It Again: Pearls and Pitfalls in the Evaluation of Soft Tissue Tumors <i>Gregory Jew, MD</i>
Exhibit 40	Imaging of Neurogenic Lesions <i>Jonelle Petscavage-Thomas, MD, MPH</i>
Exhibit 41	Chloroma or Myeloid Sarcoma: A Rare Manifestation of Leukemia Imaging Appearance in the Musculoskeletal System <i>Brittany Cloud, DO</i>
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Exhibit 45	Comparison of Patient Radiation Exposures and Clinical Outcome Between CT-fluoroscopy and Spiral CT for Lumbar Epidural Steroid Injections <i>Tina Shiang, MD</i>
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Exhibit 49	Treatment of Thoracic Discogenic Back Pain with Anesthetic Discography <i>Edward Yoon, MD</i>
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Exhibit 52	MRI-Based Musculoskeletal Infection-Reporting and Data Systems (MSKI-RADS): Multicenter and Multireader Validation <i>Avneesh Chhabra, MD</i>
Exhibit 53	Gross Photos: Do They Help Radiologists' Diagnosis of Acute Pedal Osteomyelitis? <i>Elizabeth Brown, MD</i>

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Exhibit 55	Automatic Protocolling of Non-Contrast Musculoskeletal MRIs <i>Oganes Ashikyan, MD</i>
Exhibit 56	Collateral Damage: The Unintended Consequence of Early Sub-specialization Programs on Resident MSK Rotation Time <i>Rupert Stanborough, MD</i>
Exhibit 57	Creation and Implementation of STELLA – a Powerful New Open-Source Radiology Teaching Platform <i>Christopher Beaulieu, MD, PhD</i>
Exhibit 59	Confidence Calibration: A Novel Method for Assessing Radiologist Performance <i>Behrang Amini, MD, PhD</i>
Exhibit 60	Conserving Iodinated Contrast in Musculoskeletal Radiology <i>Benjamin Northrup, MD</i>
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Exhibit 62	Post-procedural Imaging Conundrums: Variety of Pathologic and Non-pathologic Imaging Cases Important for MSK Radiologists to Recognize <i>Zenas Igbinoba, MD</i>
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Exhibit 65	Musculoskeletal Manifestations of Sickle Cell Disease: What Radiologists Should Know <i>Rola Husain, MD</i>
Exhibit 66	Spectrum of Injuries in Pickleball Players on Outpatient MRI <i>Aishwarya Gulati, MD</i>
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Exhibit 71	At the Intersection of Form, Function and Affliction, the Complementary Role of Anatomic Imaging, Electrodiagnostic Studies and the Clinical Exam in Peripheral Nerve Pathology. Or "Why We Must Play Together" <i>Yoav Morag, MD</i>
Exhibit 72	High-Yield Musculoskeletal Radiographic Views: An Interactive Module <i>Roman Shrestha, MD</i>
Exhibit 73	Keeping Abreast with the Chest: A Case-Based Review of Non-neoplastic Musculoskeletal Chest Wall Pathology <i>John Schilling, MD, MS</i>
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Exhibit 80R	Clinical Outcomes and Improvement in Pain Scores after Interlaminar Cervical Epidural Steroid Injection <i>Luis Regalado, MD</i>
Exhibit 81R	Beyond the Scaphoid: A Radiologic Review of Carpal Bone Fractures <i>Jeffers Nguyen, MD</i>
Exhibit 82R	Implementation of Dual Energy CT Musculoskeletal Protocols in a High-Volume Academic Center: Benefits and Barriers <i>Jasmine Zhao, MD</i>
Exhibit 83R	Atraumatic Non-Degenerative Back Pain: Missed Opportunities in Diagnosis <i>Jessica Perry, MD</i>
Exhibit 84R	Stand on the Shoulders of Giants: Be an Expert on Shoulder Reconstructions <i>Robert Dionisio, MD</i>
Exhibit 85R	Thumb Distal Phalangeal Pseudolesion: Imaging Findings and Associations of an Underappreciated Normal Variant that May Mimic Osteolytic Pathology <i>Andrew Helming, MD</i>
Exhibit 86R	Ultra-High Resolution (48 MHz+) Ultrasound of Peripheral Nerves: Correlation between Imaging, Clinical, and Surgical Findings <i>Alyssa Sherwill, MD</i>
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Exhibit 89R	Percutaneous Ultrasound-Guided Fenestration of Ganglion Cysts in the Wrist in Children: An Update <i>Meera Namireddy, MD</i>
Exhibit 90R	USP6-Associated Lesions: Radiological-Pathological Correlation <i>Paul Wojack, MD</i>
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Exhibit 93R	Automated Feedback for Resident Preliminary Reports Using Large Language Models: A Pilot Study with MSK Radiographs <i>Shawn Sun, MD, MS</i>
Exhibit 94R	Bones Gone Wild: Fracture Healing Gone Wrong <i>Peter Wang, MD</i>
Exhibit 95R	Front and Center: Imaging Findings in Male Patients with Pubic Symphysis Septic Arthritis and Osteomyelitis and Correlation with Prior Prostate Interventions <i>Logan Haug, MD</i>
Exhibit 96R	Beneath the Surface: Unraveling the Complexities of Pediatric Subperiosteal Abscesses <i>Max Hao, MD</i>
Exhibit 97R	MRI Features of Undifferentiated Pleomorphic Sarcoma: A Retrospective Descriptive Study <i>Raphael Cecilio Rodolfo, MD</i>

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Exhibit 99R	Take Five! Novel Semi-Automated Radiographic View Reporting Technique Can Save Musculoskeletal Radiologists 5 Working Days Annually <i>David Kakish, MD</i>
Exhibit 100R	Trauma Classifications Overview with Key Findings that Can Change Surgeons' Management <i>Robert Dionisio, MD</i>
Exhibit 101R	Chondro-Nundrum: Discerning Malignant Chondroid Tumors Through Multimodal Imaging <i>John Cerne, MD</i>
Exhibit 102R	The Utility of Dual-Energy CT in the Emergency Department: A Case-Based Review of Gout Mimicking 10 Different Acute Diseases <i>Jasmine Zhao, MD</i>
Exhibit 103R	Strategies to Complete a Full Set of CT Hip Preservation Measurements in Under 10 Minutes <i>Jasmine Zhao, MD</i>
Exhibit 104R	Diagnostic Performance Of MRI With DIXON Technique To Differentiate Benign From Malignant Vertebral Lesions; A Systematic Review And Meta-Analysis <i>Delaram Shakoor, MD</i>
Exhibit 105R	Ultrasound-guided Platelet-Rich Plasma Treatments for Musculoskeletal Pathology <i>Nuvid Bhuiyan, MD</i>
Exhibit 106R	Ultra-High-Resolution (48Mhz+) Ultrasound: What Nerves are We Able to See? <i>Andrew Beauchesne, MD</i>



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