Musculoskeletal Radiology
Walk Through the Week

Sunday, Dec. 1, 2019

Case of the Day
Musculoskeletal Sunday Case of the Day
Session ED008-SU . . . . . . . Case of Day, Learning Center

10:45 AM–12:15 PM
Scientific Papers Sessions
Musculoskeletal (Bone Marrow and Neoplasms)
Session SSA14 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450B
Science Session with Keynote: Musculoskeletal (Pelvis and Hip)
Session SSA15 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E451A

12:30–1:00 PM
Posters and Exhibits: Discussions
Musculoskeletal Sunday Poster Discussions
Session MKS-SUA . . . . MK Community, Learning Center

1:00–1:30 PM
Posters and Exhibits: Discussions
Musculoskeletal Sunday Poster Discussions
Session MKS-SUB . . . . MK Community, Learning Center

2:00–3:30 PM
Educational Courses
Advanced Muscle Imaging: State of the Art
Course RC104 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450A
Imaging of Musculoskeletal Emergencies (Interactive Session)
Course RC108 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S406A
Dynamic Musculoskeletal US: Clicks and Clunks of the Lower Extremity (Hands-on)
Course RC152 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E264

4:00–5:45 PM
Plenary Sessions
Sunday Afternoon Plenary Session
Session PS12 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Arie Crown Theater

Monday, Dec. 2, 2019

Case of the Day
Musculoskeletal Monday Case of the Day
Session ED008-MO . . . . . . . Case of Day, Learning Center
7:15–8:15 AM  
**Educational Courses**  
Radiology Stranger Things: A Journey into the Upside Down (Case-based Competition)  
Session SPDL20.................................E451B

8:30–10:00 AM  
**Educational Courses**  
Emerging Technology: 3D Joint MR Imaging  
Course RC217 .................................S504CD  
Whole Body MRI for Precision Oncology in Malignant Bone Disease  
Course RC218 .................................S103AB  
Hands-on Musculoskeletal Ultrasound: A Forum for Question and Answer (Hands-on)  
Course RC231 .................................E258

8:30 AM–12:00 PM  
**Educational Courses**  
Musculoskeletal Series: MRI of Ankle and Foot  
Course RC204.................................E451B

10:30 AM–12:00 PM  
**Scientific Papers Sessions**  
Musculoskeletal (Body Composition)  
Session SSC09.................................E450B

12:15–12:45 PM  
**Posters and Exhibits: Discussions**  
Musculoskeletal Monday Poster Discussions  
Session MKS-MOA .............................MK Community, Learning Center

12:45–1:15 PM  
**Posters and Exhibits: Discussions**  
Musculoskeletal Monday Poster Discussions  
Session MKS-MOB .............................MK Community, Learning Center

3:00–4:00 PM  
**Scientific Papers Sessions**  
Musculoskeletal (Accelerated Imaging)  
Session SSE15 .................................N228  
Musculoskeletal (Arthritis and Cartilage)  
Session SSE16 .................................N227B

Tuesday, Dec. 3, 2019

**Case of the Day**  
Musculoskeletal Tuesday Case of the Day  
Session ED008-TU ..............................Case of Day, Learning Center
1:00–1:20 PM
Showcase Presentations
RSNA AI Theater: Impacting Workflows on Routine MSK X-rays with the Implementation of Machine Learning Algorithms: Presented by Radiobotics
Session A136. . . . . . . AI Showcase North Building Level 2

1:30–3:00 PM
Educational Courses
Essentials of Musculoskeletal Imaging
Course MSES33 . . . . . . . . . . . . . . . . . . . . . . . . . S100AB

2:00–3:00 PM
Corporate Symposium
Advancements in Ultrasound Imaging for MSK and Sports Medicine: Presented by the Institute for Advanced Medical Education (IAME), educational grant provided by Canon Medical Systems USA, Inc.
Session CS34 . . . . . . . . . . . . . . . . . . . . . . . . . S101AB

3:00–4:00 PM
Scientific Papers Sessions
Musculoskeletal (Muscle, Tendon, and Nerve)
Session SSJ15 . . . . . . . . . . . . . . . . . . . . . . . . . E353C
Musculoskeletal (Knee)
Session SSJ16 . . . . . . . . . . . . . . . . . . . . . . . . . E353A

3:30–5:00 PM
AI Hands-on Workshop
Deep Learning for MRI Interpretation on the Microsoft Azure ML Platform: Presented by Balzano AI Engineers
Session HW33. . . . . . . AI Showcase North Building Level 2

4:30–6:00 PM
Educational Courses
Articular Discs, Menisci, and Labra: Structure, Function, and Dysfunction Using MRI with Emphasis on the Knee Meniscus, Triangular Fibrocartilage, and Glenoid and Acetabular Labrum
Course RC404. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E451B
Nerve Ultrasound Based on a Regional Approach: Ankle and Foot (Hands-on)
Course RC452. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E264

Wednesday, Dec. 4, 2019

Case of the Day
Musculoskeletal Wednesday Case of the Day
Session ED008-WE. . . . . . . Case of Day, Learning Center

8:30–10:00 AM
Educational Courses
RSNA/ESR Sports Imaging Symposium: Upper Extremity Sports Injuries (Interactive Session)
Session MSSR41. . . . . . . . . . . . . . . . . . . . . . . . . . . . E350
Emerging Technology: Dual-energy and Spectral CT Update 2019
Course RC517. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S505AB
Vertebral Augmentation (Hands-on)
Course RC550. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E260

8:30 AM–12:00 PM
Educational Courses
Musculoskeletal Series: MRI of Elbow, Wrist, and Hand
Course RC504. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S406A

10:30 AM–12:00 PM
Educational Courses
Case-based Review of Pediatric Radiology (Interactive Session)
Course MSCP42. . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450B
RSNA/ESR Sports Imaging Symposium: Lower Extremity Sports Injuries (Interactive Session)
Session MSSR42. . . . . . . . . . . . . . . . . . . . . . . . . . . . E350

10:30 AM–12:00 PM
Scientific Papers Sessions
Musculoskeletal (Interventional)
Session SSK14. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E353A

12:15–12:45 PM
Posters and Exhibits: Discussions
Musculoskeletal Wednesday Poster Discussions
Session MKS-WEA. . . . MK Community, Learning Center

12:15–12:45 PM
Posters and Exhibits: Discussions
Musculoskeletal Wednesday Poster Discussions
Session MKS-WEB. . . . MK Community, Learning Center

12:45–1:15 PM
Educational Courses
RSNA/ESR Sports Imaging Symposium: Musculoskeletal Interventional Procedures (Interactive Session)
Session MSSR43. . . . . . . . . . . . . . . . . . . . . . . . . . . . E350

3:00–4:00 PM
Scientific Papers Sessions
Musculoskeletal (Shoulder)
Session SSM17. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S105AB
3:30–5:00 PM
Educational Courses
RSNA/ESR Sports Imaging Symposium: Postoperative Imaging of Sports Injuries (Interactive Session)
Session MSSR44 . . . . . . . . . . . . . . . . . . . . . . . . . . . E350

4:30–6:00 PM
Educational Courses
Neuro and MSK (Case-based Competition)
Session SPDL41 . . . . . . . . . . . . . . . . . . . . . . . . . . . E451B

Thursday, Dec. 5, 2019

Case of the Day
Musculoskeletal Thursday Case of the Day
Session ED008-TH . . . . . . Case of Day, Learning Center

7:15–8:15 AM
Educational Courses
Keeping Radiology Weird: Spot Diagnoses from the Pacific Northwest (Case-based Competition)
Session SPDL50 . . . . . . . . . . . . . . . . . . . . . . . . . . . E451B

8:30–10:00 AM
Educational Courses
Case-based Review of Musculoskeletal Radiology (Interactive Session)
Course MSCS51 . . . . . . . . . . . . . . . . . . . . . . . . . . . S406A

Best Cases from the AIRP (In Conjunction with the American Institute for Radiologic Pathology) (Interactive Session)
Course RC624 . . . . . . . . . . . . . . . . . . . . . . . . . . . S404CD

Common Spinal Injection Procedures for Diagnosis and Treatment of Back Pain (Hands-on)
Course RC631 . . . . . . . . . . . . . . . . . . . . . . . . . . . . E263

Live Ultrasound Interventional Procedures: Joint Injections, Cyst Aspiration, Abscess Drainage, Vascular Access, Core Biopsy, and Foreign Body Removal (Hands-on)
Course RC652 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E264

10:30 AM–12:00 PM
Educational Courses
Case-based Review of Musculoskeletal Radiology (Interactive Session)
Course MSCS52 . . . . . . . . . . . . . . . . . . . . . . . . . . . S406A

Scientific Papers Sessions
Musculoskeletal (Hardware and Orthopedic Implants)
Session SSQ13 . . . . . . . . . . . . . . . . . . . . . . . . . . . . N226

12:15–12:45 PM
Posters and Exhibits: Discussions
Musculoskeletal Thursday Poster Discussions
Session MKS-THA . . . . . . MK Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Musculoskeletal Thursday Poster Discussions
Session MKS-THB . . . . . . MK Community, Learning Center

1:00–3:00 PM
Educational Courses
Interventional Oncology Series: Musculoskeletal Intervention
Course VSIO51 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S405AB

4:30–6:00 PM
Educational Courses
Advanced Imaging of Arthritis
Course RC704 . . . . . . . . . . . . . . . . . . . . . . . . . . . S402AB

Image-guided Biopsy of the Spine (Hands-on)
Course RC731 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E263

Friday, Dec. 6, 2019

8:30–10:00 AM
Educational Courses
Avulsion Injuries of the Upper and Lower Extremities
Course RC804 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E451B

10:30 AM–12:00 PM
Scientific Papers Sessions
Musculoskeletal (Spine)
Session SST05 . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450B
Posters and Exhibits Discussions

(CME is available when the author is present for discussion during the lunch period)

Sunday, Dec. 1, 2019

12:30–1:00 PM
Scientific Posters
3D Shape Analysis of the Supraspinatus Muscle in Rotator Cuff Tear Patients
MK350-SD-SUA2 . . . . . . . . . . . . . . . . . . . . . . . Station #2
Is the Bone Mineral Density of Necrotic Area Decreased in Pre-collapse Osteonecrosis of the Femoral Head? A Propensity-Matched Study Using CT Hounsfield Unit Values
MK349-SD-SUA1 . . . . . . . . . . . . . . . . . . . . . . . Station #1
Performance of a Standardized Scanning and Reporting Method for Sonographic Soft Tissue Sarcoma Surgical Resection Bed Surveillance
MK387-SD-SUA4 . . . . . . . . . . . . . . . . . . . . . . . Station #4
Physician Image Ordering Variability for Low Back Pain in a Single Healthcare System
MK351-SD-SUA3 . . . . . . . . . . . . . . . . . . . . . . . Station #3

12:30–1:00 PM
Education Exhibits
An Educational Approach to Dynamic Contrast-Enhanced MRI Techniques for Arthritis Assessment
MK293-ED-SUA8 . . . . . . . . . . . . . . . . . . . . . . . Station #8
Dynamic MR Imaging of Thoracic Outlet Syndrome - Imaging Protocol and Pictorial Review of Various Etiologies
MK289-ED-SUA5 . . . . . . . . . . . . . . . . . . . . . . . Station #5
Metabolic and Endocrine Bone Disorders and Conditions: A Current, Comprehensive Review
MK292-ED-SUA7 . . . . . . . . . . . . . . . . . . . . . . . Station #7
Osteochondral Lesions of the Talar Dome: An Up-To-Date Approach on Multimodality Imaging and Surgical Techniques
MK308-ED-SUA11 . . . . . . . . . . . . . . . . . . . . . . . Station #11
Postsurgical Imaging of the ACL: Everything You Always Wanted to Know But Were Afraid to Ask
MK291-ED-SUA6 . . . . . . . . . . . . . . . . . . . . . . . Station #6
Through Thick and Thin: Periosteal Reactions and Their Underlying Etiology
MK307-ED-SUA10 . . . . . . . . . . . . . . . . . . . . . . . Station #10

1:00–1:30 PM
Scientific Posters
3D Morphometric Characterization of Femoral Cam Lesion Extent
MK389-SD-SUB4 . . . . . . . . . . . . . . . . . . . . . . . Station #4
An Updated Classification of A Normal Manubriosternal Junction: A Human Cadaveric Study Correlating Magnetic Resonance Imaging and Computed Tomography
MK352-SD-SUB1 . . . . . . . . . . . . . . . . . . . . . . . Station #1
Diagnostic Value of Axial Computed Tomography Images for Distal Tibiofibular Syndesmosis Injury
MK353-SD-SUB2 . . . . . . . . . . . . . . . . . . . . . . . Station #2
Dual-Energy CT Virtual Non-Calcium Technique in the Diagnosis of Osteoporosis: A Correlation Study with Quantitative CT
MK390-SD-SUB5 . . . . . . . . . . . . . . . . . . . . . . . Station #5
Feasibility of Isotropic MAVRIC-SL with Spectral Bin Modulation for Metal Artifact Reduction at 3T MR
MK354-SD-SUB3 . . . . . . . . . . . . . . . . . . . . . . . Station #3

1:00–1:30 PM
Education Exhibits
An Overview of Post-Operative Anterolateral Ligament Reconstruction
MK320-ED-SUB12 . . . . . . . . . . . . . . . . . . . . . . . Station #12
Easier To Catch Than A "Can Of Corn": MRI and MRI Arthrogram of Shoulder Injuries in the Throwing Athlete
MK299-ED-SUB7 . . . . . . . . . . . . . . . . . . . . . . . Station #7
Make No Bones About - Quiz Based, Imaging Of Vertebral Bone Tumors
MK301-ED-SUB9 . . . . . . . . . . . . . . . . . . . . . . . Station #9
MR Neurography Applied to Carpal Tunnel Release Surgery: How to Interpret and Surgical Implications
MK297-ED-SUB10 . . . . . . . . . . . . . . . . . . . . . . . Station #10
Musculoskeletal Manifestations of HIV Infection: A Pictorial Review
MK298-ED-SUB6 . . . . . . . . . . . . . . . . . . . . . . . Station #6
Nothing Wrecks Us Like the Plexus! Lumbosacral Plexus: Anatomic Review with Challenging Cases
MK314-ED-SUB11 . . . . . . . . . . . . . . . . . . . . . . . Station #11
Traumatic Thoracolumbar Spine Injuries: How to Help the Spine Surgeon
MK300-ED-SUB8 . . . . . . . . . . . . . . . . . . . . . . Station #8

Monday, Dec. 2, 2019

12:15–12:45 PM
Scientific Posters
Calcaneofibular Ligament Anatomy Under Different Ankle Positions
MK382-SD-MOA7 . . . . . . . . . . . . . . . . . . . . . . Station #7
CT-Guided Core Needle Bone Biopsy in the Workup of Non-Spinal Osteomyelitis: Is it Necessary for Diagnosis and Treatment?
MK357-SD-MOA3 . . . . . . . . . . . . . . . . . . . . . . Station #3
Different Energy Transfer Efficiency and Buffering Capability in Quadriceps and Calf Muscles with Low-Load Isotonic Exercise Detected by Dynamic Localized Phosphorus 31 Magnetic Resonance Spectroscopy
MK381-SD-MOA6 . . . . . . . . . . . . . . . . . . . . . . Station #6
Evaluation of an Accelerated Three Dimensional Fast Spin Echo with Compressed Sensing (CS-MATRIX) for Diagnosing Cartilage Lesions of Knee
MK380-SD-MOA5 . . . . . . . . . . . . . . . . . . . . . . Station #5
MRI Texture Analysis of Synovial Fluid as a Predictive Biomarker for Synovitis and OA Severity
MK355-SD-MOA1 . . . . . . . . . . . . . . . . . . . . . . Station #1
Talar Osteochondral Lesion of the Ankle: A Meta-Analysis of Diagnostic Performance of Magnetic Resonance Imaging
MK356-SD-MOA2 . . . . . . . . . . . . . . . . . . . . . . Station #2
The MOCART 2.0 (Magnetic Resonance Imaging of Cartilage Repair Tissue): Knee Score and Atlas
MK379-SD-MOA4 . . . . . . . . . . . . . . . . . . . . . . Station #4

12:15–12:45 PM
Education Exhibits
Bursa, Bursa, Bursa: Interventional Tactics and Tips for Radiologists
MK303-ED-MOA9 . . . . . . . . . . . . . . . . . . . . . . Station #9
Diffusion Tensor Imaging Application as a Prognostic Biomarker in Carpal Tunnel Syndrome after Decompression Surgery
MK304-ED-MOA10 . . . . . . . . . . . . . . . . . . . . . Station #10
Don't Forget the Patella: CT and MRI Imaging Spectrum of Patellar Injuries
MK305-ED-MOA11 . . . . . . . . . . . . . . . . . . . . . Station #11

Fascia Disorders Around the Body
MK306-ED-MOA12 . . . . . . . . . . . . . . . . . . . . . . Station #12
Ultrasound-Guided Therapeutic Interventions for Pelvic Neuropathy
MK302-ED-MOA8 . . . . . . . . . . . . . . . . . . . . . . Station #8

12:45–1:15 PM
Scientific Posters
“Salt and Pepper” Sign on Fat Fraction Map by IDEAL-IQ: Useful MR Sign for Differentiating Bone Islands from Osteoblastic Metastases
MK358-SD-MOB1 . . . . . . . . . . . . . . . . . . . . . . Station #1
Application of Multi-Echo Dixon Technique and IVIM-DWI in Patients with Primary Osteoporosis: A Preliminary Study with 3.0 T MRI
MK384-SD-MOB5 . . . . . . . . . . . . . . . . . . . . . . Station #5
Benign Bone Tumors Percutaneous Treatment: There is Life Beyond Osteoid Osteoma
MK360-SD-MOB3 . . . . . . . . . . . . . . . . . . . . . . Station #3
DECT for Detecting Gout: Problem-Solving Technique versus Problem-Causing Technique - Evaluation of Clumpy Artifact in Foot and Ankle DECT from Gout-Free Patients
MK383-SD-MOB4 . . . . . . . . . . . . . . . . . . . . . . Station #4
Septic Arthritis in Shoulder: Diagnostic Clues on Indirect MR Arthrography
MK359-SD-MOB2 . . . . . . . . . . . . . . . . . . . . . . Station #2
Ultrafast Imaging of Shoulder MR Arthrography with Compressed Sensing Accelerated Isovolumetric 3D-THRIVE: Comparison of One Scan of Iso–Volumetric with Multiplanar Reconstruction (MPR) and Three Scans of Conventional MR Images
MK385-SD-MOB6 . . . . . . . . . . . . . . . . . . . . . . Station #6
Weight-Bearing Syndesmotic Measurements in Ankle Injuries: Comparison with the Normal Side Using a Semi-Automatic Software
MK386-SD-MOB7 . . . . . . . . . . . . . . . . . . . . . . Station #7

12:45–1:15 PM
Education Exhibits
Interventional Musculoskeletal Ultrasound Techniques: A Review
MK309-ED-MOB9 . . . . . . . . . . . . . . . . . . . . . . Station #9
Juvenile Osteochondritis Dissecans Versus Normal Variants of Ossification in the Knee in Children: Key Points to Correct Assessment
MK313-ED-MOB12 . . . . . . . . . . . . . . . . . . . . . Station #12
Ultrasound Guided Perineural Injections for the Diagnosis and Treatment of Chronic Pelvic Pain
MK311-ED-MOB10 . . . . . . . . . . . . . . . . . . . . . Station #10
Ultrasound MSK Guided Intervention: Tips and Tricks
MK310-ED-MOB8  Station #8
You’re Getting on My Nerves: A Review of Current and Future Applications of DTI Tractography of the Central and Peripheral Nervous System
MK312-ED-MOB11  Station #11

Tuesday, Dec. 3, 2019

12:15–12:45 PM
Scientific Posters
Diagnostic Value of Dual-Energy CT Virtual Non-Calcification for Occult Fracture of Knee Joint
MK363-SD-TUA3  Station #3
Differentiation of Benign and Malignant Vertebral Fracture on MR Using ResNet Deep Learning Compared to Radiologist’s Reading
MK399-SD-TUA7  Station #7
High Resolution Ultrasound in Sub-clinical Diabetic Neuropathy: A Potential Screening Tool
MK396-SD-TUA4  Station #4
Increased Bone Marrow Density on Unenhanced CT in Patients with Acute Myeloid Leukemia
MK361-SD-TUA1  Station #1
Lateral Femoral Condyle Insufficiency Fractures: Associated Morphological Findings
MK398-SD-TUA6  Station #6
Quantitative MRI Detects Muscle Recovery?
MK397-SD-TUA5  Station #5
The Efficacy of Ultrasound-Guided Suprascapular Nerve Radiofrequency Ablation in the Treatment of Chronic Shoulder Pain
MK362-SD-TUA2  Station #2

12:15–12:45 PM
Education Exhibits
Clinical Applications of Dual Energy Computed Tomography in Musculoskeletal Imaging: Detection of Gout, Bone Marrow Edema, and Application in Skeletal Surveys
MK316-ED-TUA9  Station #9
Dual-Energy CT for Bone Marrow Imaging: “How To Do It”
MK318-ED-TUA11  Station #11
Patell-It Like It Is: A Multimodality Image-Based Guide of Patellofemoral Disorders for Radiologists
MK315-ED-TUA8  Station #8

12:45–1:15 PM
Scientific Posters
Comparison between Quantitative T2*-analysis of the Retropatellar Cartilage and the TTTG Distance in Young Professional Soccer Players
MK400-SD-TUB4  Station #4
MK403-SD-TUB7  Station #7
Do Muscle Elastography and Echogenicity in Spastic Cerebral Palsy Correlate with Response to Botulinum Toxin Injection?
MK401-SD-TUB5  Station #5
Greyscale Ultrasound and Color Doppler Evaluation of Callus Formation in Fractures of Long Bones Treated by Internal Fixation
MK402-SD-TUB6  Station #6
Just a Coincidence? Magnetic Resonance Imaging Analysis of Kaplan Fiber Injury in the Setting of Acute Anterior Cruciate Ligament Tear
MK365-SD-TUB2  Station #2
Quantitatively Whole Knee Cartilage Assessment in Vivo Using Ultrashort Echo Time Magnetization Transfer (UTE-MT) MRI
MK364-SD-TUB1  Station #1
Virtual Magnetic Resonance Lumbar Spine Images Generated from Computed Tomography Images Using Conditional Generative Adversarial Networks
MK366-SD-TUB3  Station #3

12:45–1:15 PM
Education Exhibits
MR Imaging of Peripheral Neuropathy: From Infectious to Compressive Causes
MK325-ED-TUB12  Station #12
Pediatric Bone Tumors and Mimickers: Focused Imaging Overview with Pathologic Correlation
MK326-ED-TUB11  Station #11
Radiographic Measurements and Angles of the Ankle and Foot: What Every Radiologist Should Know
MK323-ED-TUB9  Station #9
Strategies to Upgrade your MSK MRI: Back to Basic Physics, Made Easy
MK324-ED-TUB10  Station #10
Walking on Pebbles: Beyond Morton’s Neuroma
MK321-ED-TUB8 . . . . . . . . . . . . . . . . . . . . . . . . Station #8

Wednesday, Dec. 4, 2019

12:15–12:45 PM
Scientific Posters
Correlation Between Thoracic Vertebral Bone Strength and Quantitative Lung CT Assessment in Chronic Obstructive Pulmonary Disease Patient
MK369-SD-WEA3 . . . . . . . . . . . . . . . . . . . . . . . . Station #3
MK367-SD-WEA1 . . . . . . . . . . . . . . . . . . . . . . . . Station #1
Longitudinal Change of Long Head of the Biceps Brachii Tendon on Magnetic Resonance Imaging After Rotator Cuff Repair
MK404-SD-WEA4 . . . . . . . . . . . . . . . . . . . . . . . . Station #4
Piriformis Syndrome: Pain Response Outcomes Following CT-Guided Injection Incremental Value of Botulinum Toxin Injection
MK405-SD-WEA5 . . . . . . . . . . . . . . . . . . . . . . . . Station #5
Radiomics and Machine Learning May Accurately Preoperatively Be Predicting the Histopathological Grades of Soft Tissue Sarcomas Based on Multiparametric MRI
MK368-SD-WEA2 . . . . . . . . . . . . . . . . . . . . . . . . Station #2
US Features in the Median Nerve for the Assessment of Carpel Tunnel Syndrome Using High Frequency US Imaging
MK406-SD-WEA6 . . . . . . . . . . . . . . . . . . . . . . . . Station #6

12:15–12:45 PM
Education Exhibits
Articular Cartilage Injury of the Knee Reporting and Data System (ACIK-RADS): A New Proposal for the Report of Cartilage Injury in the Knee by MRI
MK332-ED-WEA9 . . . . . . . . . . . . . . . . . . . . . . . . Station #9
Common and Uncommon Complications of Reverse Total Shoulder Arthroplasty: Pictorial Review and Review of the Literature
MK329-ED-WEA12 . . . . . . . . . . . . . . . . . . . . . . . . Station #12
Demystifying Sacral Masses: Imaging Findings, Rad-Path Correlation, and Biopsy Techniques
MK330-ED-WEA7 . . . . . . . . . . . . . . . . . . . . . . . . Station #7

High Resolution Ultrasonography (US) of the Elbow Demonstrating Standard Technique and Its Variations with Emphasis on Detailed Evaluation of Ligaments, Tendons, and Nerves
MK331-ED-WEA8 . . . . . . . . . . . . . . . . . . . . . . . . Station #8
Most Common MRI Findings of Muscle Sport Injuries in Professional Football Players: A Pictorial Review
MK328-ED-WEA11 . . . . . . . . . . . . . . . . . . . . . . . Station #11
Put Your Shoulder Into It (and Elbow And Wrist For That Matter): Ultrasound-Guided Procedures of the Upper Extremity
MK327-ED-WEA10 . . . . . . . . . . . . . . . . . . . . . . . Station #10

12:45–1:15 PM
Scientific Posters
Chondral Lesions of the Wrist: A Meta-Analysis Comparing Performance of MRI, MRA and CTA
MK370-SD-WEB1 . . . . . . . . . . . . . . . . . . . . . . . . Station #1
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MK407-SD-WEB4 . . . . . . . . . . . . . . . . . . . . . . . . Station #4
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MK408-SD-WEB5 . . . . . . . . . . . . . . . . . . . . . . . . Station #5
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MK372-SD-WEB3 . . . . . . . . . . . . . . . . . . . . . . . . Station #3
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MK409-SD-WEB6 . . . . . . . . . . . . . . . . . . . . . . . . Station #6
Skeletal Muscle, Visceral and Subcutaneous Fat Area Measurements Inter-Reader Variability Assessment
MK371-SD-WEB2 . . . . . . . . . . . . . . . . . . . . . . . . Station #2

12:45–1:15 PM
Education Exhibits
Carpal Injury from a Fall on the Outstretched Hand
MK334-ED-WEB8 . . . . . . . . . . . . . . . . . . . . . . . . Station #8
Muscle MRI in Neuromuscular Disorders
MK337-ED-WEB7 . . . . . . . . . . . . . . . . . . . . . . . . Station #7
Not All 'Green' is Tophi - Focusing on the False Negatives and False Positives of DECT for Diagnosis of Gout
MK319-ED-WEB11 . . . . . . . . . . . . . . . . . . . . . . . Station #11
Recent Update on Whole Body MRI for Musculoskeletal Imaging
MK335-ED-WEB9 . . . . . . . . . . . . . . . . . . . . . . . . Station #9
Musculoskeletal Radiology

Soft Tissue Masses of the Forefoot: A Case Based Approach
MK336-ED-WEB10  . . . . . . . . . . . . . . . . . . . . Station #10

Thursday, Dec. 5, 2019

12:15–12:45 PM
Scientific Posters
Brachial Plexus MR-Neurography in Patients with Parsonage-Turner Syndrome
MK374-SD-THA2  . . . . . . . . . . . . . . . . . . . . Station #2

Evaluation of Clinical Assessments and MRI Findings that Suggest Surgical Treatment for Patients with Medial Epicondylitis: A Retrospective Study in a Single Institution
MK373-SD-THA1  . . . . . . . . . . . . . . . . . . . . Station #1

MRI-based Radiomics Signature: A Potential Imaging Biomarker for Prediction of Histologic Grade, Preoperative Prediction of Recurrence, and Prediction of Survival Outcome for Liposarcoma in Extremities
MK375-SD-THA3  . . . . . . . . . . . . . . . . . . . . Station #3

Real-Time Identification of Key Anatomical Features for Ultrasound-Guided Regional Anesthesia
MK393-SD-THA6  . . . . . . . . . . . . . . . . . . . . Station #6

Reduction of Metal Artifacts From after 3D Printed Patient-Specific Hip Arthroplasty for the Treatment of Bone and Soft Tissues Malignant Tumors in Computer Tomography: Value of Virtual Monochromatic Spectral and Metal Artifacts Reduction Software
MK392-SD-THA5  . . . . . . . . . . . . . . . . . . . . Station #5

Virtual Bone Mineral Density Imaging with Third-Generation Dual-Source Dual-Energy CT for Diagnosis of Osteoporosis: A Preliminary Study
MK391-SD-THA4  . . . . . . . . . . . . . . . . . . . . Station #4

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Education Exhibits
Anatomy of Bone Nutrient Vessels Related to Avascular Necrosis
MK340-ED-THA11  . . . . . . . . . . . . . . . . . . . . Station #11

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MK339-ED-THA9  . . . . . . . . . . . . . . . . . . . . Station #9

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MK342-ED-THA8  . . . . . . . . . . . . . . . . . . . . Station #8

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MK338-ED-THA10  . . . . . . . . . . . . . . . . . . . . Station #10

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MK341-ED-THA7  . . . . . . . . . . . . . . . . . . . . Station #7

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Scientific Posters
Clinical Utility and Economic Impact of Screening Follow-Up Upper Extremity Radiographs in Children with Uncomplicated Distal Radius Fractures
MK378-SD-THB3  . . . . . . . . . . . . . . . . . . . . Station #3

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MK348-SD-THB4  . . . . . . . . . . . . . . . . . . . . Station #4

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MK394-SD-THB5  . . . . . . . . . . . . . . . . . . . . Station #5

Intracortical Bone Mineral Density Correlates Well with Quantitative Susceptibility Mapping (QSM) Obtained from Cones Ultrashort Echo Time Magnetic Resonance Imaging (UTE-MRI)
MK376-SD-THB1  . . . . . . . . . . . . . . . . . . . . Station #1

Role of Whole-Body Diffusion-Weighted Imaging in Evaluation of Multiple Myeloma
MK377-SD-THB2  . . . . . . . . . . . . . . . . . . . . Station #2

Self-Improving AI-Assisted Semiautomated Musculoskeletal MR Image Segmentation
MK395-SD-THB6  . . . . . . . . . . . . . . . . . . . . Station #6

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MK345-ED-THB11  . . . . . . . . . . . . . . . . . . . . . Station #11
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MK281-ED-X  Sacral Osteoarticular Lesions: What the Radiologist Should Know
MK282-ED-X  An Open and Closed Book Review of Skeletal Tumors of the Pelvis
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