



Society of Skeletal Radiology

39th Annual Meeting
March 13-16, 2016

The Roosevelt, a Waldorf Astoria Hotel
New Orleans, Louisiana

SSR 2016 PRELIMINARY PROGRAM

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SUNDAY, MARCH 13, 2016

GENERAL SESSION

Moderator: tbd

UTILIZATION RATES OF LOCALIZER SCOUT IMAGES BY MUSCULOSKELETAL RADIOLOGISTS WHEN INTERPRETING MR AND CT STUDIES: A SURVEY AND ITS POTENTIAL IMPORTANCE

Presenting Author: Andrew Sonin, MD

THE ADEQUACY OF PATIENT HISTORY ON CLINICIAN REFERRALS AND SUPPLEMENTAL QUESTIONNAIRES FOR MUSCULOSKELETAL MAGNETIC RESONANCE IMAGING

Presenting Author: Derik Davis, MD

CROSSFIT INJURIES AND MANAGEMENT AT A LARGE ACADEMIC MEDICAL CENTER

Presenting Author: Jeremy Katz, MD

ARE WE "HACKING" IT? - EVIDENTIAL VALUE AND SELECTION BIAS IN THE MUSCULOSKELETAL RADIOLOGY LITERATURE

Presenting Author: Marcus Kater, MD

PERIPHERAL NERVE IMAGING: CORRELATION OF HIGH RESOLUTION ULTRASOUND AND MRI FINDINGS

Presenting Author: Swati Deshmukh, MD

SPINE SESSION

Moderator: tbd

CHANGING USE OF CERVICAL SPINE IMAGING IN THE EMERGENCY DEPARTMENT SETTING: PERSPECTIVES FROM TWO DECADES OF NATIONAL MEDICARE CLAIMS

Presenting Author: Paul Harkey, MD

UTILIZATION OF MULTI-SEGMENTAL COMPUTED TOMOGRAPHY OF THE SPINE IN THE EMERGENCY DEPARTMENT

Presenting Author: Soterios Gyftopoulos, MD

OSSEOUS PSEUDOPROGRESSION IN VERTEBRAL BODIES TREATED WITH STEREOTACTIC RADIOSURGERY: INITIAL DESCRIPTION AND TIMECOURSE

Presenting Author: Behrang Amini, MD; PhD

DELISTING REIMBURSEMENT FOR IMAGING UNCOMPLICATED LOW BACK PAIN: A RETROSPECTIVE ANALYSIS OF CHANGES IN IMAGING REFERRAL AND UTILIZATION

Presenting Author: Lawrence White, MD

RADICULOPATHY FOLLOWING VERTEBRAL BODY COMPRESSION FRACTURE: IS THERE A ROLE FOR PERCUTANEOUS CEMENT AUGMENTATION?

Presenting Author: MK Jesse, MD

MONDAY, MARCH 14, 2016

LOWER EXTREMITY SESSION

Moderator: tbd

MRI CHARACTERISTICS OF TORN AND UNTORN POST-OPERATIVE MENISCI

Presenting Author: Adam Williams, MD

3D TSE IMAGING USING SPARSE-SENSE ACCELERATION: COMPARISON WITH CONVENTIONAL 2D TSE IMAGING FOR DETECTION OF INTERNAL DERANGEMENT OF THE KNEE

Presenting Author: Michael Recht, MD

IMAGING FEATURES OF IBALANCE, NEW HIGH TIBIAL OSTEOTOMY:WHAT THE RADIOLOGIST NEEDS TO KNOW

Presenting Author: Erin FitzGerald, MD

DEGENERATION OF THE POSTERIOR MEDIAL CAPSULAR COMPLEX: AN UNDER-DIAGNOSED CONDITION?

Presenting Author: Tarun Pandey, MD

MRI ASSESSMENT OF TIBIAL TUBERCLE LATERALIZATION: A COMPARISON OF FOUR DIFFERENT LANDMARKS

Presenting Author: Pushpender Gupta, MBBS

MEDIAL MENISCAL EXTRUSION ON WEIGHT-BEARING ULTRASOUND

Presenting Author: Sandra Rutigliano, MD

DTI CAN DETECT EARLY CARTILAGE DEGENERATION FOLLOWING INJURY: VALIDATION IN A CLINICAL SETTING WITH A BIOMECHANICS INJURY MODEL

Presenting Author: Uran Ferizi, PhD

IS THERE A ROLE OF ILIOPSOAS TENDON ANATOMY IN DETERMINING EFFICACY OF SURGICAL RELEASE FOR CENTRAL ILIOPSOAS IMPINGEMENT?

Presenting Author: Scott Sheehan, MD

TUMOR SESSION

Moderator: tbd

UTILITY OF WHOLE BODY PET-MRI USING FDG, NAF AND DWI IN EVALUATING METASTATIC AND PRIMARY BONE MALIGNANCIES.

Presenting Author: Luis Beltran, MD

IMAGING OF LOW-GRADE FIBROMYXOID SARCOMA (EVANS TUMOR) WITH PATHOLOGIC CORRELATION

Presenting Author: Agustinus Suhardja, MD

QUANTITATIVE CT DENSITY EVALUATION OF OSSEOUS METASTASES FOLLOWING CHEMOTHERAPY

Presenting Author: Connie Chang, MD

IMAGING OF CHONDROBLASTIC OSTEOSARCOMA WITH PATHOLOGIC CORRELATION

Presenting Author: Lien Senchak, MD

IMAGING OF UNUSUAL COMPLICATIONS OF NON-OSSIFYING FIBROMA

Presenting Author: Mark Murphey, MD

MRI MAY BE USED AS A PROGNOSTIC INDICATOR IN PATIENTS WITH EXTRA-ABDOMINAL DESMOID TUMORS

Presenting Author: Behrang Amini, MD; PhD

MR IMAGING CHARACTERISTICS ASSOCIATED WITH HIGH-GRADE MYXOID LIPOSARCOMAS.

Presenting Author: Lana Gimber, MD

MRI FEATURES ASSOCIATED WITH RESIDUAL TUMOR FOLLOWING UNPLANNED EXCISION OF SOFT TISSUE SARCOMAS.

Presenting Author: Ty Subhawong, MD

TUESDAY, MARCH 15, 2016

ANKLE/FOOT SESSION

Moderator: tbd

ULTRASOUND OF THE GRUBERI BURSA WITH CADAVERIC AND MR IMAGING CORRELATION

Presenting Author: Kara Gaetke-Udager, MD

PLANTAR TALAR HEAD CONTUSIONS AND OSTEOCHONDRAL FRACTURES: ASSOCIATED FINDINGS ON ANKLE MRI AND PROPOSED MECHANISM OF INJURY.

Presenting Author: Tetyana Gorbachova, MD

SONOGRAPHIC EVALUATION OF MORTON'S NEUROMA PRIOR TO AND FOLLOWING LASER THERAPY

Presenting Author: David Melville, MD

BONE AND JOINT MODELING FROM 3D ANKLE MRI: FEASIBILITY AND COMPARISON WITH RADIOGRAPHS AND 2D MRI

Presenting Author: Shaun Nordeck, MD

IN VIVO ULTRASOUND TENSION ELASTOGRAPHY DIFFERENTIATES HEALTHY FROM DISEASED POSTERIOR TIBIALIS TENDONS

Presenting Author: Mihra Taljanovic, MD; PhD

ASSOCIATION OF TARSAL TUNNEL DISEASE WITH MEDIAL HINDFOOT COALITIONS

Presenting Author: Erin FitzGerald, MD

CORRELATION WITH DIABETIC FOOT MRI INTERPRETATIONS WITH TREATMENT AND OUTCOMES

Presenting Author: Dennis Duryea, DO

RADIOGRAPHY HAS LIMITED SENSITIVITY FOR DIAGNOSING ACUTE MIDFOOT FRACTURES

Presenting Author: Renata Almeida, MD

UPPER EXTREMITY SESSION

Moderator: tbd

PRIMARY LABRAL REPAIR: EVOLUTION OF MAGNETIC RESONANCE IMAGING FINDINGS IN THE POSTOPERATIVE LABRUM

Presenting Author: Megan Mills, MD

SKELETAL MATURATION AND STRESS INJURY OF THE GROWTH PLATE AT THE BASE OF THE CORACOID PROCESS: MRI FEATURES

Presenting Author: Erin FitzGerald, MD

MR IMAGING FEATURES OF RETROCLAVICULAR AND PERISCAPULAR INTERMUSCULAR VASCULAR PLEXI.

Presenting Author: Shivani Ahlawat, MD

IMAGING FEATURES OF GLENOID BARE AREA IN A PEDIATRIC POPULATION

Presenting Author: Sahlya Djebbar, MD

ACCURACY OF THE MRI DIAGNOSIS OF ADHESIVE CAPSULITIS IN AN ACADEMIC MUSCULOSKELETAL RADIOLOGY DIVISION

Presenting Author: Erin FitzGerald, MD

PREVALENCE OF HUMERAL HEAD CYSTS AND PSEUDO-HILL SACHS LESIONS IN OVERHEAD THROWING ATHLETES WITH GIRD AND INTERNAL IMPINGEMENT

Presenting Author: Andrew Ross, MD

HORRIBLE BOSSES: PATTERNS OF MRI FINDINGS AT THE CARPAL BOSS AND THE EXTENSOR CARPI RADIALIS BREVIS TENDON INSERTION IN PATIENTS WITH ACTIVITY RELATED DORSAL HAND PAIN

Presenting Author: Adam Zoga, MD

COMBINED MR ARTHOGRAPHY AND ULTRASOUND APPROACH IN IMAGING OF MEDIAL ELBOW PAIN IN BASEBALL PLAYERS.

Presenting Author: Johannes Roedl, MD; PhD

WEDNESDAY, MARCH 16, 2016

OUTCOMES SESSION

Moderator: tbd

INCIDENCE AND COST OF SERIOUS ADVERSE EVENTS ASSOCIATED WITH HOSPITAL RE-ADMISSIONS: FOLLOW-UP ANALYSIS OF THE KAST RANDOMIZED CONTROLLED TRIAL COMPARING THE KIVA VERTEBRAL COMPRESSION FRACTURE TREATMENT SYSTEM TO BALLOON KYPHOPLASTY

Presenting Author: Douglas Beall, MD

CLINICAL UTILITY OF SHOULDER IMAGING IN THE OUTPATIENT SETTING: A PILOT STUDY

Presenting Author: Soterios Gyftopoulos, MD

CT OF HIP FRACTURE PATIENTS: CAN MUSCLE SIZE & ATTENUATION PREDICT CLINICAL OUTCOMES?

Presenting Author: Robert Boutin, MD

DIAGNOSTIC ACCURACY OF MR IMAGING IN PREDICTING SEVERITY OF LOWER EXTREMITY PERIPHERAL NERVE INJURY

Presenting Author: Shivani Ahlawat, MD

US-GUIDED BAKER'S CYST ASPIRATION WITH CORTICOSTEROID INJECTION: A “DO NOT TOUCH” LESION?

Presenting Author: Kenneth Lee, MD

TENEX ULTRASOUND GUIDED PERCUTANEOUS TENOTOMY FOR THE TREATMENT OF CHRONIC LATERAL EPICONDYLITIS: EARLY IMPLEMENTATION OF THIS EMERGING THERAPY

Presenting Author: David Matthews, MD

PATTERNS OF DISEASE PROGRESSION IN SIFK, THE NEW SONK, BY MRI: GRADING AND CLINICAL IMPLICATIONS

Presenting Author: Felix Gonzalez, MD

TECHNICAL SESSION

Moderator: tbd

ULTRASOUND-GUIDED SCIATIC NERVE PERINEURAL INJECTION: A RETROSPECTIVE REVIEW OF SAFETY AND EFFICACY

Presenting Author: Ogonna Nwawka, MD

HIGH-RESOLUTION 3T MR IMAGING OF BONE MICROARCHITECTURE AND MRI QUANTIFICATION OF BONE MARROW FAT AND MUSCLE FAT IN OSTEOPOROSIS.

Presenting Author: Christoph Agten, MD

USING A DEDICATED CT METAL ARTIFACT REDUCTION ALGORITHM FOR ARTHROPLASTY IMAGING: CAN WE REDUCE THE RADIATION EXPOSURE?

Presenting Author: Naveen Subhas, MD

UTILITY OF 3D PRINT MODELS FOR PRE-OPERATIVE PLANNING IN FEMOROACETABULAR IMPINGEMENT

Presenting Author: Tony Wong, MD

T2/T2* MAPS AND ULTRASOUND SHEAR WAVE ELASTICITY: A POTENTIAL RELATIONSHIP THAT COULD IMPROVE THE QUANTITATIVE ASSESSMENT OF THE SUPRASPINATUS TENDON ON MRI

Presenting Author: Soterios Gyftopoulos, MD

NEW APPROACH TO OSTEOPOROTIC AND PATHOLOGIC FRACTURE FIXATION: PHOTODYNAMIC BONE STABILIZATION SYSTEM

Presenting Author: Geoffrey Dykes, MD

A 5-MINUTE SHOULDER MRI: IS IT GOOD ENOUGH?

Presenting Author: Naveen Subhas, MD

Sunday - Wednesday

ePosters

NORMAL RANGE OF PATELLAR TENDON ELASTICITY IN YOUNG ASYMPTOMATIC INDIVIDUALS USING ULTRASOUND ELASTOGRAPHY

Netanel Berko, MD

Albert Einstein College of Medicine Montefiore Medical Center

BONE AND JOINT MODELING FROM 3D KNEE MRI: FEASIBILITY STUDY AND COMPARISON WITH RADIOGRAPHS AND 2D MRI

Vibhor Wadhwa, MBBS

University of Texas Southwestern Medical Center at Dallas

CAPSULITIS IN ONCOLOGY PATIENTS UNDERGOING PET-CT IMAGING AND RELATIONSHIP TO TYPE OF CANCER AND TREATMENT PROTOCOL

Matthew Teng, MD

Stony Brook University Medical Center HSC

ASSESSMENT OF FEMORAL TROCHLEAR MORPHOLOGY ON CROSS SECTIONAL IMAGING: COMPARING THE DEJOUR CLASSIFICATION AND QUANTITATIVE MEASUREMENTS IN PATIENTS LATER TREATED WITH DEEPENING TROCHLEOPLASTY.

Barrett Luce, MD

University of Virginia

CSI: CLINICAL APPLICATION OF CHEMICAL SHIFT IMAGING AS A PROBLEM SOLVING TOOL

Douglas Byerly, MD; PhD

Other

A SOUND APPROACH TO PERIPHERAL NEUROPATHIES

Usman Anwer, MD

University of Michigan Medical Center

SUBFASCIAL FAT HERNIATION: SONOGRAPHIC FEATURES OF THE ELUSIVE BACK MOUSE

Christin Tiegs-Heiden, MD

Mayo Clinic

MRI ANALYSIS OF BONE METASTASIS: SHAPE-RELATED EXCLUSION CRITERIA

Paul Weatherall, MD

University of Texas Southwestern Medical Center at Dallas

HINDFOOT VALGUS ANGLE: A SECOND LOOK

Tina Basak, MD

Cedars-Sinai Medical Center, Los Angeles

TOTAL ELBOW ARTHROPLASTY: A RADIOGRAPHIC OUTCOME STUDY.

Alice Ha, MD

University of Washington / Harborview Medical Center

FREQUENT MISSES IN WRIST RADIOGRAPHS: TRUTH HIDDEN IN PLAIN SIGHT

Catherine Petchprapa, MD

NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center

BICIPITAL GROOVE MORPHOLOGY AND BICEPS TENDINOPATHY

J. Jacob Kazam, MD

NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center

UPDATE ON ACL RECONSTRUCTION: DEVICES, FEATURES, FIXATION, PRINCIPLES AND IMAGING ASSESSMENT

Kimia Kani, MD

Other

THE TERRIBLE TRIAD AND OTHER CONCEPTS IN IMAGING OF THE UNSTABLE ELBOW

Kimia Kani, MD

Other

THE OS INTERPHALANGEUS SYNDROME: AN UNCOMMON AND UNDER-RECOGNIZED CAUSE OF GREAT TOE PAIN

Sayed Ali, MD

Temple University Hospital

NORMAL TENDON VARIATIONS MAY INFLUENCE THE SPREAD OF INFECTION: THE FOOT AND WRIST AS EXAMPLES

Sayed Ali, MD

Temple University Hospital

THE VALUE OF MRI IN PRE-TREATMENT PLANNING AND POST-TREATMENT FOLLOW-UP OF DEFINITIVE ELECTRON BEAM IRRADIATION FOR SUPERFICIAL FIBROMAS IN THE HANDS (DUPUYTREN'S DISEASE) AND FEET (LEDDERHOSE DISEASE)

Ty Subhawong, MD

University of Miami Miller School of Medicine

OSSEOUS METASTASES OF CHORDOMA: IMAGING FINDINGS

Connie Chang, MD

Other

HAND AND WRIST FINDINGS ON MAGNETIC RESONANCE ANGIOGRAPHY IN PATIENTS WITH CONNECTIVE TISSUE DISEASE

Jennifer Berkowitz, MD
Hospital for Special Surgery

EVALUATION OF THE ULNAR COLLATERAL LIGAMENT IN OVERHEAD THROWING ATHLETES

Tony Wong, MD
Columbia-Presbyterian Medical Center

DECREASED FRACTAL LACUNARITY REFLECTS GIANT CELL TUMOR RESPONSE TO DENOSUMAB

Ty Subhawong, MD
University of Miami Miller School of Medicine

CAN FOREARM CONGENITAL DEFORMITIES BE LIGAMENTOUS IN ORIGIN? MADELUNG DEFORMITY AND ULNAR FOCAL CORTICAL INDENTATION SUGGESTS THE LIKELIHOOD

Sayed Ali, MD
Temple University Hospital

CHARACTERIZATION AND EPIDEMIOLOGY OF THE CARPAL BOSS UTILIZING COMPUTED TOMOGRAPHY

Jack Porrino, MD
University of Washington / Harborview Medical Center

SHEAR WAVE ELASTOGRAPHY: REVIEW OF APPLICATIONS IN MUSCULOSKELETAL IMAGING

Leah Davis, DO
Henry Ford Health System

CT GUIDED PERCUTANEOUS BIOPSY OF SCLEROTIC BONE LESIONS: DIAGNOSTIC ACCURACY AND COMPLICATIONS.

I-Yuan Chang, MD
Cleveland Clinic

MODERATE HYPERINTENSE T2 SIGNAL IN THE PROXIMAL PATELLAR TENDON: INCIDENTAL OR PATHOLOGIC?

Lyndsey Burton, MD
David Geffen School of Medicine at UCLA

FEATURES OF SCLEROTIC BONE LESIONS THAT AFFECT DIAGNOSTIC YIELD DURING IMAGE GUIDED CORE NEEDLE BIOPSY

Stephanie Coleman, MD
Beth Israel Deaconess Medical Center Harvard Med School

DYNAMIC ULTRASOUND OF THE MEDIAN NERVE - TECHNIQUE, QUALITATIVE, AND QUANTITATIVE ASSESSMENT

Daniel Siegal, MD
Henry Ford Health System

S.O.S. - SAVE OUR SAMPLE. HOW TO RESCUE A CORE BONE SPECIMEN TRAPPED IN A BIOPSY NEEDLE

I-Yuan Chang, MD
Cleveland Clinic

SYNOVIAL PATTERNS ON MAGNETIC RESONANCE IMAGING PROVIDE CLUES TO PATHOLOGY IN PATIENTS FOLLOWING ARTHROPLASTY

Jennifer Berkowitz, MD
Hospital for Special Surgery

ULTRASOUND IMAGING OF THE HAND AND WRIST

Shyam Patel, MD
Beaumont Health System

A PAINFUL WAVE: A REVIEW OF NON-TRAUMATIC CAUSES OF WRIST PAIN

Mason Frazier, MD
The University of Alabama at Birmingham (UAB)

TECHNOLOGIST-DIRECTED REPEAT MUSCULOSKELETAL RADIOGRAPHS: HOW OFTEN DO THEY IMPACT DIAGNOSIS?

Nidhi Jain, MD
NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center

MUSCLE & BONE DENSITY ASSESSMENT FOR SARCOPENIA & OSTEOPENIA WITH CT: IMPACT OF CONTRAST MATERIAL

Justin Kaptuch, MD
University of California, Davis

IS A PRIOR PET-CT OR BONE SCAN ASSOCIATED WITH IMPROVED DIAGNOSTIC YIELD OF IMAGE-GUIDED TISSUE SAMPLING OF MUSCULOSKELETAL LESIONS?

Ged Wieschhoff, MD
Brigham and Women's Hospital, Harvard Medical School

PERSONAL EXPERIENCE PERFORMING ULTRASOUND-GUIDED PLATELET-RICH PLASMA INJECTIONS IN ELITE DANCERS: CAN THEY RETURN TO DANCE?

Nidhi Jain, MD
NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center

PAIN RELIEF FOLLOWING FLUOROSCOPIC-GUIDED GLENOHUMERAL JOINT INJECTIONS USING THE SCHNEIDER AND ROTATOR INTERVAL TECHNIQUES - RESULTS AFTER 900 INJECTIONS.

Stephen Jones, MD
University of Virginia

NEUROVASCULAR INVOLVEMENT BY LIPOMAS AND ATYPICAL LIPOMATOUS TUMORS OF THE APPENDICULAR SKELETON

Justin LeBlanc, MD
Cleveland Clinic

PUSHING THE LIMITS: BENEFITS OF HIGH PERFORMANCE GRADIENTS IN MUSCULOSKELETAL MAGNETIC RESONANCE IMAGING

Lauren Ladd, MD
Indiana University

IMAGING EVALUATION OF PROSTHETIC JOINT INFECTION: FROM RADIOGRAPHY TO CROSS-SECTIONAL IMAGING AND IMAGE-GUIDED ARTHROCENTESIS

Yoshimi Endo, MD
Hospital for Special Surgery

DECT IN PLAIN LANGUAGE: APPLICATIONS IN MUSCULOSKELETAL IMAGING

Jason Stephenson, MD
University of Wisconsin Hospital & Clinics

THE ROLE OF MSK ULTRASOUND IN DIAGNOSIS AND MANAGEMENT OF SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)

Gandikota Girish, MD
University of Michigan Medical Center

DETECTION OF KNEE JOINT EFFUSION: INFLUENCE OF POSITIONING ON PERCEPTION

Mamta Gupta, MD
Mayo Clinic

GLENOID VERSION MEASUREMENT UPDATE: FRIEDMAN EQUIVALENT MEASUREMENTS WHEN THE MEDIAL SCAPULA BORDER IS NOT IN THE CROSS-SECTIONAL FIELD OF VIEW

Douglas Robertson, MD; PhD
Emory University Dept. of Radiology, MSK Division

CHARACTERIZATION AND EPIDEMIOLOGY OF THE CARPAL BOSS UTILIZING COMPUTED TOMOGRAPHY

Jack Porrino, MD
University of Washington / Harborview Medical Center

FABELLA AND OSTEOARTHRITIS: NEW INSIGHTS

Douglas Robertson, MD; PhD

Emory University Dept. of Radiology, MSK Division

**CAUTION WHEN SCREENING FOR OSTEOPOROSIS WITH OPPORTUNISTIC CT: HOUNDSFIELD
UNITS OF L1 TRABECULAR BONE VARY SIGNIFICANTLY AT DIFFERENT X-RAY ENERGIES**

Daniel Wessell, MD; PhD

Mayo Clinic Florida

**PATELLOFEMORAL PAIN SYNDROME: ANATOMIC VARIANTS, PATHOLOGIC CONDITIONS, AND
MANAGEMENT CONSIDERATIONS**

Carlos Gimenez, MD

Other

FOUND HIDING IN PLAIN SIGHT: HOFFA'S FAT PAD AND IT'S PATHOLOGIES

Joseph Burns, MD; PhD

University of California Irvine School of Medicine