

Saturday, March 12, 2022

4:00 p.m.–6:00 p.m.

Registration Desk Open

Sunday, March 13, 2022

7:00 a.m.–7:55 a.m.

Continental Breakfast

7:00 a.m.–5:00 p.m.

Registration/Information Desk Open

7:00 a.m.–1:30 p.m.

Exhibit Hall Open

7:00 a.m.–4:30 p.m.

ePoster Session

7:45 a.m.–8:50 a.m.

SSR Annual Business Meeting

9:00 a.m.–10:15 a.m.

WHITE PAPER & ARTIFICIAL INTELLIGENCE

Moderators: Hillary Garner, MD, Michael Recht, MD

9:00 a.m.

#1

SSR WHITE PAPER: RECOMMENDATIONS FOR CONTRAST USE IN MUSCULOSKELETAL IMAGING: WHEN IS NONCONTRAST IMAGING ENOUGH?

Jonathan Samet¹, Hamza Alizai², Majid Chalian³, Colleen Costelloe⁴, Swati Deshmukh⁵, Vivek Kalia⁶, Sarah Kamel⁷, Jennifer Ni Mhuircheartaigh⁵, Jimmy Saade⁸, Eric Walker⁹, Daniel Wessell¹⁰, Laura Fayad¹¹

¹Lurie Childrens Hospital, Chicago, IL, USA, ²Scottish Rite Hospital for Children, Dallas, TX, USA, ³University of Washington / Harborview Medical Center, Seattle, WA, USA, ⁴The University of Texas M.D. Anderson Cancer Center, Houston, TX, USA, ⁵Beth Israel Deaconess Medical Center Harvard Med School, Boston, MA, USA, ⁶University of Michigan Medical Center, Ann Arbor, MI, USA, ⁷Thomas Jefferson University Hospital, Philadelphia, PA, USA, ⁸Creighton University, Phoenix, AZ, USA, ⁹Penn State Milton S. Hershey Medical Center, Hershey, PA, USA, ¹⁰Mayo Clinic Florida, Jacksonville, FL, USA, ¹¹Johns Hopkins University, Baltimore, IL, USA
(Presented by: Jonathan Samet, MD, Lurie Childrens Hospital)

9:15 a.m.

#2

RADIOMICS-BASED MACHINE LEARNING ANALYSIS OF NON-CONTRAST T1 MR IMAGES DISTINGUISHES LIPOMAS FROM ATYPICAL LIPOMATOUS TUMORS/WELL-DIFFERENTIATED LIPOSARCOMAS

Teresa Martin-Carreras¹, Hamsalekha Premkumar², Alan McMillan², Joseph Tang²

¹Medical Center Radiology Group - Orlando Health, Orlando, FL, USA, ²University of Wisconsin Hospital & Clinics, Madison, WI, USA

(Presented by: Teresa Martin-Carreras, MD, Medical Center Radiology Group - Orlando Health)

9:30 a.m.

#3

AUTOMATED DEEP LEARNING (AUTOML) FOR MUSCULOSKELETAL RADIOGRAPH ABNORMALITY DETECTION USING A CODELESS PLATFORM: FEASIBILITY STUDY OF GOOGLE AUTOML

Paul Yi¹, Kesavan Venkatesh², Samantha Santomartino¹

¹University of Maryland School of Medicine, Baltimore, MD, USA, ²Johns Hopkins University, Baltimore, MD, USA

(Presented by: Paul Yi, MD, University of Maryland School of Medicine)

9:45 a.m.

#4

USING NATURAL LANGUAGE TRANSFORMERS TO AID IN AUTOMATICALLY PROTOCOLING ADVANCED MSK EXAMINATIONS

Chad Klochko¹, Niloufar Eghbali Zarch², Lauren Wolf¹, Mohammad Ghassemi², Daniel Siegal¹

¹Henry Ford Health System, Detroit, MI, USA, ²Michigan State University, East Lansing, MI, USA
(Presented by: Chad Klochko, MD, MS, Henry Ford Health System)

10:00 a.m.	#5	<p>IMPACT OF DATA AUGMENTATION ON GENERALIZABILITY OF A HIP FRACTURE DEEP LEARNING MODEL - A MULTICENTER STUDY Paul Yi¹, Yi-Siang Su², David Sing³, Jeff Choi⁴, James Hui⁴, Chien-Hung Liao², Paul Tornetta, III³, Gregory Hager⁵, Chi-Tung Cheng² ¹University of Maryland School of Medicine, Baltimore, MD, USA, ²Chang Gung Memorial Hospital, Taoyuan City, Taiwan, ³Boston University, Boston, MA, USA, ⁴Stanford University School of Medicine, Stanford, CA, USA, ⁵Johns Hopkins University, Baltimore, MD, USA (Presented by: Paul Yi, MD, University of Maryland School of Medicine)</p>
10:15 a.m.–10:20 a.m.		CASE OF THE DAY #1 Presenting author: Jennifer S. Weaver MD
10:20 a.m.–10:45 a.m.		Break - Visit the Exhibit Hall
10:45 a.m.–12:00 p.m.		<p><u>HIP / PELVIS</u> Moderators: Andrew Cordle, MD, Kate Stevens, MD</p>
10:45 a.m.	#6	<p>HIP MRI WITH ADDED LARGE FIELD-OF-VIEW PELVIC SEQUENCES: WHAT'S THE VALUE? Sirisha Koneru, Cesar Alvarado, Timothy Phelps, Jawad Hussain, Kamran Munawar, Jan Fritz NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA (Presented by: Sirisha Koneru, MD, NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center)</p>
11:00 a.m.	#7	<p>TECHNIQUE AND EFFECTIVENESS OF CT-GUIDED QUADRATUS FEMORIS STEROID AND LOCAL ANESTHETIC INJECTION FOR DIAGNOSIS AND TREATMENT OF ISCHIOFEMORAL IMPINGEMENT Stephanie Schmieder, Mark Kransdorf Mayo Clinic, Phoenix, AZ, USA (Presented by: Stephanie Schmieder, MD, Mayo Clinic)</p>
11:15 a.m.	#8	<p>GLUTEAL MUSCLE FATTY INFILTRATION, FALL RISK, AND MOBILITY LIMITATION IN OLDER WOMEN WITH URINARY INCONTINENCE Derik Davis¹, Andrew Roberts¹, Rodolfo Calderon¹, Shihyun Kim², Alice Ryan¹, Tatiana Sanses² ¹University of Maryland School of Medicine, Baltimore, MD, USA, ²Howard University College of Medicine, Washington, DC, USA (Presented by: Derik Davis, MD, University of Maryland School of Medicine)</p>
11:30 a.m.	#9	<p>EFFECTIVENESS OF DYNAMIC ULTRASOUND WITH ILIOPSOAS PERITENDINOUS CORTICOSTEROID INJECTION FOR INTERNAL SNAPPING HIP Andrew Surman, Kambiz Motamedi, Varand Ghazikhanian, Ardavan Saadat, Grace Hyun Kim, Sharon Hame, Benjamin Levine David Geffen School of Medicine at UCLA, Los Angeles, CA, USA (Presented by: Benjamin Levine, MD, David Geffen School of Medicine at UCLA)</p>
11:45 a.m.	#10	<p>TRANSIENT OSTEOPOROSIS OF THE HIP: A FLEETING DIAGNOSIS? Jeffrey Belair, Aishwarya Gulati, Sarah Kamel, Adam Zoga, Andrew Kilgore, Vishal Desai Thomas Jefferson University Hospital, Philadelphia, PA, USA (Presented by: Jeffrey Belair, MD, Thomas Jefferson University Hospital)</p>
12:00 p.m.–12:05 p.m.		CASE OF THE DAY #2 Presenting author: Zachary Stewart MD
12:05 p.m.–1:30 p.m.		LUNCH (in Exhibit Hall or Industry Sponsored Product Theater)

1:30 p.m.–3:00 p.m.	<u>FOCUS SESSION/SELF ASSESSMENT MODULE (SAM I) - MSK RADIOLOGY: BACK TO THE BASICS</u> Moderator: Laura Bancroft, MD, FACR
1:30 p.m.	WHAT ARE THE IMPORTANT MISSES FROM A MEDICOLEGAL PERSPECTIVE Mark Anderson, MD
1:50 p.m.	TUMORS: WHAT DO I NEED TO KNOW Mark Kransdorf, MD
2:10 p.m.	TRAUMA PITFALLS Angela Atinga, MD
2:30 p.m.	TIPS AND TRICKS IN DIAGNOSING ARTHRITIS Donald Resnick, MD
2:50 p.m.	Q&A
3:00 p.m.–3:10 p.m.	SAM I Exam
3:10 p.m.–3:20 p.m.	Break - Visit the Exhibit Hall
3:20 p.m.–4:50 p.m.	<u>FOCUS SESSION/SELF ASSESSMENT MODULE (SAM II) - MSK CONTROVERSIES</u> Moderators: Bethany Casagrande, DO, Naveen Subhas, MD
3:20 p.m.	INTRODUCTION
3:21 p.m.	FAST MRI: SHOULD WE COMPROMISE IMAGE QUALITY FOR INCREASED SPEED? YES Naveen Subhas, MD
3:29 p.m.	FAST MRI: SHOULD WE COMPROMISE IMAGE QUALITY FOR INCREASED SPEED? NO Michael Recht, MD
3:43 p.m.	DISCITIS/OSTEOMYELITIS: DO WE NEED TO BIOPSY THE BONE? YES Connie Chang, MD
3:51 p.m.	DISCITIS/OSTEOMYELITIS: DO WE NEED TO BIOPSY THE BONE? NO Corey Ho, MD
4:05 p.m.	MR ARTHROGRAPHY: DO WE STILL NEED TO DO IT? YES Christine Chung, MD
4:13 p.m.	MR ARTHROGRAPHY: DO WE STILL NEED TO DO IT? NO Soterios Gyftopoulos, MD
4:27 p.m.	MSK US: DO WE KEEP IT IN RADIOLOGY? YES Jon Jacobson, MD
4:35 p.m.	MSK US: DO WE KEEP IT IN RADIOLOGY? NO Kenneth Lee, MD
4:49 p.m.	WRAP-UP
4:50 p.m.–5:00 p.m.	SAM II Exam

Monday, March 14, 2022

7:00 a.m.–7:45 a.m. Early Bird Industry Sponsored Product Theater

7:00 a.m.–12:35 p.m. Registration/Information Desk Open

7:00 a.m.–12:30 p.m. Exhibit Hall Open

7:00 a.m.–12:30 p.m. ePoster Session

7:45 a.m.–8:00 a.m. **2021 SEED GRANT RESEARCH AWARD RECIPIENT PRESENTATION**

Moderators: Kara Gaetke-Udager, MD, Yoav Morag, MD

7:45 a.m. SG21 **RAPID, NON-SEDATED, NONCONTRAST MRI FOR ACUTE MUSCULOSKELETAL INFECTION WORKUP**

(Presented by: Jonathan Samet, MD, Lurie Childrens Hospital)

8:00 a.m.–10:00 a.m. **BEST PRACTICES / EMERGING TRENDS**

Moderators: Jennifer Demertzis, MD, Soterios Gyftopoulos, MD

8:00 a.m. #11 **THE STATE OF THE MUSCULOSKELETAL RADIOLOGY FELLOWSHIP MATCH: A 3-YEAR REVIEW**
Eric Goodman¹, Robert Morris²

¹Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, USA,

²University of Mississippi Medical Center, Jackson, MS, USA

(Presented by: Eric Goodman, MD, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell)

8:15 a.m. #12 **CURRENT MUSCULOSKELETAL RADIOLOGY EDUCATION: SURVEY OF RESIDENCY PROGRAM DIRECTORS IN THE UNITED STATES**

Alice Ha¹, Daniel Hippe², Amy Oliveira³, Shivani Ahlawat⁴, Jonathan Flug⁵, Eric Goodman⁶, Barry Hansford⁷, Robert Morris⁸, Roger Bartolotta⁹

¹University of Washington / Harborview Medical Center, Seattle, WA, USA, ²Fred Hutchinson

Cancer Research Center, Seattle, WA, USA, ³UMMS-Baystate, Springfield, MA, USA, ⁴Johns

Hopkins University, Baltimore, MD, USA, ⁵Mayo Clinic, Phoenix, AZ, USA, ⁶Hofstra/Northwell,

Hempstead, NY, USA, ⁷Oregon Health Sciences University, Portland, OR, USA, ⁸University of

Mississippi, Jackson, MS, USA, ⁹University of Colorado Denver, Denver, CO, USA

(Presented by: Robert Morris, University of Mississippi, Jackson, MS, USA)

8:30 a.m. #13 **EFFECT OF THE VIRTUAL INTERVIEW FORMAT ON THE MUSCULOSKELETAL FELLOWSHIP MATCH**

Corey Ho, Nicholas Pfleiderer, Luke Patten, David Gimarc

University of Colorado - Anschutz Medical Campus, Aurora, CO, USA

(Presented by: Corey Ho, MD, University of Colorado - Anschutz Medical Campus)

8:45 a.m. #14 **CAREER CHOICE AND PROFESSIONAL DEVELOPMENT FOR MSK RADIOLOGISTS: ARE THERE DIFFERENCES BASED ON GENDER?**

Gunjan Malhotra, Corrie Yablon, Fitzgerald James, Kara Udager

University of Michigan Medical Center, Ann Arbor, MI, USA

(Presented by: Gunjan Malhotra, MD, University of Michigan Medical Center)

9:00 a.m. #15 **CHARGES, CASH DISCOUNTS, AND CPT CODES: PRICE TRANSPARENCY COMPLIANCE AND CHARGE VARIABILITY FOR MUSCULOSKELETAL IMAGING EXAMINATIONS**

Matthew Petterson, Marc Willis, Robert Boutin

Stanford University School of Medicine, Stanford, CA, USA

(Presented by: Matthew Petterson, MD, Stanford University School of Medicine)

- 9:15 a.m. #16 **THE VIDEO RADIOLOGY REPORT**
Michael Recht¹, Malte Westerhoff², Stefan Thesen³, Sebastian Krueger³, Jan Fritz¹, Mohammad Samim¹, Dana Ostrow¹, Dawn Swahn¹, Matthew Young¹
¹NYU Langone Health, Manhattan, NY, USA, ²Visage Imaging, Carlsbad, CA, USA, ³Siemens Healthineers, Erlangen, Germany
(Presented by: Michael Recht, MD, NYU Langone Health)
- 9:30 a.m. #17 **POTENTIAL OVERUTILIZATION OF LOWER EXTREMITY MRI IN THE MEDICARE POPULATION RELATIVE TO RATE OF SURGICAL INTERVENTION**
Sarah Kamel, Adam Zoga, Vishal Desai
Thomas Jefferson University Hospital, Philadelphia, PA, USA
(Presented by: Sarah Kamel, MD, Thomas Jefferson University Hospital)
- 9:45 a.m. #18 **IMAGING SUPPORT SERVICES: AN APPROACH TOWARDS MORE EFFICIENT AND EFFECTIVE COMMUNICATIONS**
Stefan Johnson, Naveen Subhas, Christine Caruso, Gregory Borkowski, Elizabeth Kollai, Rekha Mody, Joseph Parker
Cleveland Clinic Foundation, Cleveland, OH, USA
(Presented by: Stefan Johnson, MD, Cleveland Clinic Foundation)
- 10:00 a.m.–10:05 a.m.** **CASE OF THE DAY #3** Presenting author: Ashley Evens, MD
- 10:05 a.m.–10:30 a.m.** Break - Visit the Exhibit Hall
- 10:30 a.m.–12:30 p.m.** **INTERVENTION**
Moderators: Connie Chang, MD, Andrew Ross, MD, MPH
- 10:30 a.m. #19 **CEMENTING YOUR APPROACH: CT- VS. FLUOROSCOPY-GUIDED VERTEBROPLASTY**
Meghan Moriarty, Jeffrey Belair, Diane Deely, Adam Zoga, Johannes Roedl, Lukas Trunz, Corbin Pomeranz, Vishal Desai
Thomas Jefferson University Hospital, Philadelphia, PA, USA
(Presented by: Meghan Moriarty, DO, Thomas Jefferson University Hospital)
- 10:45 a.m. #20 **IMAGE-GUIDED CORE NEEDLE BIOPSY OF CT OCCULT BONE LESIONS**
Wonsuk Kim, Kevin Sun, Justin Kung, Jim Wu
Beth Israel Deaconess Medical Center Harvard Med School, Boston, MA, USA
(Presented by: Jim Wu, MD, Beth Israel Deaconess Medical Center Harvard Med School)
- 11:00 a.m. #21 **ULTRASOUND-GUIDED CORTICOSTEROID INJECTIONS OF THE NUCHAL OR SUPRASPINOUS LIGAMENTS TO TREAT MYOFASCIAL PAIN: A RETROSPECTIVE STUDY**
Alessandra Sax¹, Daniel Skubick², Levon Nazarian³
¹The Warren Alpert Medical School of Brown University/Rhode Island Hospital, Providence, RI, USA, ²The Neurologic Group of Bucks and Montgomery County, North Wales, PA, USA, ³Thomas Jefferson University Hospital, Philadelphia, PA, USA
(Presented by: Alessandra Sax, MD, The Warren Alpert Medical School of Brown University/Rhode Island Hospital)
- 11:15 a.m. #22 **SELECTIVE ANTERIOR FEMORAL CUTANEOUS NERVE BLOCKS FOR ANTERIOR THIGH PAIN: TECHNIQUE, PROCEDURAL EFFICIENCY, CLINICAL OUTCOMES, AND PATIENT SATISFACTION**
Danoob Dalili^{1,2}, Shivani Ahlawat², Ali Rashidi³, Amanda Isaac⁴, Jan Fritz⁵
¹South West London Elective Orthopaedic Centre, London, United Kingdom, ²Johns Hopkins University, Baltimore, MD, USA, ³Stanford University School of Medicine, Stanford, CA, USA, ⁴Kings College London, London, United Kingdom, ⁵NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA
(Presented by: Danoob Dalili, MBBS, FRCR, EDiMSK, Johns Hopkins University)

- 11:30 a.m. #23 **LATERAL FEMORAL CUTANEOUS NERVE CRYOABLATION FOR THE TREATMENT OF MERALGIA PARESTHETICA: FIRST RESULTS OF A PILOT STUDY**
Sven Walter, Danoob Dalili, Jan Fritz
NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA
(Presented by: Jan Fritz, MD, NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center)
- 11:45 a.m. #24 **RETROPERITONEAL LATERAL FEMORAL CUTANEOUS NERVE BLOCKS IN THE WORK-UP OF THIGH PAIN: PERFORMANCE ANALYSIS OF A NEW TECHNIQUE**
Danoob Dalili¹, Shivani Ahlawat², Delaram Shakoor², Ali Rashidi³, Amanda Isaac⁴, Jan Fritz⁵
¹South West London Elective Orthopaedic Centre (SWLEOC), London, United Kingdom, ²Johns Hopkins University, Baltimore, MD, USA, ³Stanford University School of Medicine, Stanford, CA, USA, ⁴Kings College London, London, United Kingdom, ⁵NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA
(Presented by: Jan Fritz, MD, NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center)
- 12:00 a.m. #25 **THE EFFECTIVENESS OF PERCUTANEOUS ULTRASOUND-GUIDED NEEDLE TENOTOMY IN COMPARISON WITH ALTERNATIVE TREATMENTS FOR CHRONIC TENDINOPATHY**
Firoozeh Shomal Zadeh, Mehrzad Shafiei, Majid Chalian
University of Washington / Harborview Medical Center, Seattle, WA, USA
(Presented by: Majid Chalian, MD, University of Washington / Harborview Medical Center)
- 12:15 p.m. #26 **EFFECTIVENESS OF HEMATOMA ASPIRATION AND PLATELET-RICH PLASMA MUSCLE INJECTIONS FOR THE TREATMENT OF HAMSTRING STRAINS IN ATHLETES**
Lukas Trunz, Adam Zoga, Sarah Kamel, Wiliam Morrison, Johannes Roedl
Thomas Jefferson University Hospital, Philadelphia, PA, USA
(Presented by: Johannes Roedl, MD, PhD, Thomas Jefferson University Hospital)
- 12:30 p.m.–12:35 p.m.** **CASE OF THE DAY #4** Presenting author: Samuel L. Madson, MD
- 1:00 p.m.–4:00 p.m.** *Musculoskeletal Ultrasound Hands-On Workshop - Elbow Ultrasound with Dynamic Imaging
Moderator: Benjamin Levine, MD
- 6:00 p.m.–9:30 p.m.** Annual Banquet

Tuesday, March 15, 2022

7:00 a.m.–7:55 a.m.		Continental Breakfast
7:00 a.m.–12:35 p.m.		Registration/Information Desk Open
7:00 a.m.–12:30 p.m.		Exhibit Hall Open
7:00 a.m.–12:30 p.m.		ePoster Session
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7:00 a.m.–7:45 a.m.		"Ask the Executive Committee"
7:45 a.m.–8:00 a.m.		ESSR AWARD PRESENTATION Moderators: Andrew Sonin, MD, Hilary Umans, MD
7:45 a.m.	ESSR	DIFFERENTIATION OF BENIGN AND MALIGNANT VERTEBRAL COMPRESSION FRACTURES USING QUALITATIVE AND QUANTITATIVE ANALYSIS OF A SINGLE FAST SPIN ECHO T2-WEIGHTED DIXON SEQUENCE (Presented by: Patrick Omoumi, MD)
8:00 a.m.–10:00 a.m.		TUMOR / MARROW Moderators: Stephanie Bernard, MD, Kambiz Motamedi, MD
8:00 a.m.	#27	CURRENT STATE OF CT TUMOR BIOPSY PRACTICE IN MUSCULOSKELETAL RADIOLOGY Alix Hopp, Mark Kransdorf, Jeremiah Long Mayo Clinic, Phoenix, AZ, USA (Presented by: Alix Hopp, MD, MS, Mayo Clinic)
8:15 a.m.	#28	IMAGING OF LARGE SOFT TISSUE MYXOMA WITH PATHOLOGIC CORRELATION Stephen Savioli ^{1,2} , Mark Murphey ¹ , James Jelinek ³ ¹ American Institute for Radiologic Pathology, Silver Spring, MD, USA, ² Fort Belvoir Community Hospital, Fort Belvoir, VA, USA, ³ Medstar Washington Hospital Center, Washington, DC, USA (Presented by: Stephen Savioli, MD, American Institute for Radiologic Pathology)
8:30 a.m.	#29	MRI ROLE IN APPROVING AND PLANNING IMAGE-GUIDED BONE AND SOFT TISSUE BIOPSY. Lindsay Stratchko, Brody Fitzpatrick, Ian Kuckleman, Humberto Rosas, Andrew Ross, Donna Blankenbaker University of Wisconsin Hospital & Clinics, Madison, WI, USA (Presented by: Lindsay Stratchko, DO, University of Wisconsin Hospital & Clinics)
8:45 a.m.	#30	CT-GUIDED PERCUTANEOUS CRYOABLATION OF PERI-PROSTHETIC METASTATIC DISEASE. Ceylan Colak, Claus Simpfendorfer, Michael Forney, Hakan Ilaslan Cleveland Clinic, Cleveland, OH, USA (Presented by: Hakan Ilaslan, MD, Cleveland Clinic)
9:00 a.m.	#31	INITIAL EXPERIENCE WITH FDG PET/MRI IMAGING FOR MULTIPLE MYELOMA AND OTHER PLASMA CELL DISORDERS Ashley Evens, Rupert Stanborough, Ephraim Parent, Akash Sharma, Joseph Bestic, Garner Hillary, Sebros Ronnie, Wessell Daniel, Jason Young, Jeffrey Peterson Mayo Clinic Florida, Jacksonville, FL, USA (Presented by: Ashley Evens, MD, Mayo Clinic Florida)

- 9:15 a.m. #32 **FIBROADIPOSE PROLIFERATION IN THE POSTERIOR NECK SUBCUTANEOUS TISSUE SIMULATING NEOPLASM**
 Mark Murphey¹, Stephen Savioli^{1,2}, Ryan Olson¹, Christian Curcio³, Alejandro Luina Contreras³, John Fetsch³
¹American Institute for Radiologic Pathology, Silver Spring, MD, USA, ²Fort Belvoir Community Hospital, Fort Belvoir, VA, USA, ³Joint Pathology Center, Silver Spring, MD, USA
 (Presented by: Mark Murphey, MD, American Institute for Radiologic Pathology)
- 9:30 a.m. #33 **A SINGLE CENTER'S EXPERIENCE IN PERFORMING PERCUTANEOUS CRYOABLATION FOR THE TREATMENT OF DESMOID-TYPE EXTRA-ABDOMINAL FIBROMATOSIS IN A MULTI-DISCIPLINARY SETTING**
 David Gimarc, John Schilling, MK Jesse, Alexandra Leo, Corey Ho
 University of Colorado Denver, Aurora, CO, USA
 (Presented by: David Gimarc, MD, University of Colorado Denver)
- 9:45 a.m. #34 **CT-GUIDED INJECTION OF HYDROXYAPATITE AND CALCIUM SULFATE BASED BONE GRAFT SUBSTITUTES IN THE TREATMENT OF BENIGN CYSTIC BONE LESIONS**
 Hakan Ilaslan, Michael Forney, Fangbai Wu, Claus Simpfendorfer, Faysal Altahawi
 Cleveland Clinic, Cleveland, OH, USA
 (Presented by: Hakan Ilaslan, MD, Cleveland Clinic)
- 10:00 a.m.–10:05 a.m.** **CASE OF THE DAY #5** Presenting author: Barry G. Hansford, MD
- 10:05 a.m.–10:30 a.m.** Break - Visit the Exhibit Hall
- 10:30 a.m.–12:30 p.m.** **UPPER EXTREMITY**
Moderators: Christine Chung, MD, Jim Wu, MD
- 10:30 a.m. #35 **DIAGNOSIS OF ROTATOR CUFF TENDON TEARS AFTER SURGICAL REPAIR USING MRI AND ULTRASOUND: A SYSTEMATIC REVIEW AND META-ANALYSIS**
 Soterios Gyftopoulos¹, Adam Jacobs¹, Tatiane Cantarelli Rodrigues¹, Connie Chang²
¹NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA, ²Mass General Hospital, Boston, NY, USA
 (Presented by: Soterios Gyftopoulos, MD, MS, MBA, NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center)
- 10:45 a.m. #36 **THE EFFECT OF PRE-OPERATIVE MRI CORACOID DIMENSIONS ON LATARJET SURGICAL OUTCOMES**
 Sarah Kamel¹, Ryan Paul², Dennis DeBernardis², Ari Clements¹, Daniel Hameed³, Kevin Freedman², Meghan Bishop²
¹Thomas Jefferson University Hospital, Philadelphia, PA, USA, ²Rothman Orthopedic Institute, Philadelphia, PA, USA, ³Cooper Medical School of Rowan University, Camden, NJ, USA
 (Presented by: Sarah Kamel, MD, Thomas Jefferson University Hospital)
- 11:00 a.m. #37 **IMPLICATIONS OF GLENOHUMERAL DECENTERING ON MR ARTHROGRAPHY**
 William Kesler, III, Donald Flemming, Carissa White, Cristy French
 Penn State Milton S. Hershey Medical Center, Hershey, PA, USA
 (Presented by: William Kesler, MD, Penn State Milton S. Hershey Medical Center)
- 11:15 a.m. #38 **OUTCOMES OF ULTRASOUND-GUIDED NEEDLE LAVAGE FOR ROTATOR CUFF CALCIFIC TENDINOSIS**
 Weston Winkler, Prajeeth Koyada, Mark Anderson, David Diduch, Jennifer Pierce
 University of Virginia, Charlottesville, VA, USA
 (Presented by: Weston Winkler, DO, University of Virginia)

- 11:30 a.m. #39 **DORSAL CAPSULO-SCAPHOLUNATE SEPTUM (DCSS): MR IMAGING AND US ASSESSMENT IN CADAVERIC SPECIMENS**
 Vincent York, Áurea Mohana Borges, Alecio Lombardi, Mini Pathria, Donald Resnick, Eric Chang, Christine Chung
 University of California, San Diego & Veterans Affairs Med Center, SD, San Diego, CA, USA
 (Presented by: Vincent York, MD, University of California, San Diego & Veterans Affairs Med Center, SD)
- 11:45 a.m. #40 **PATIENT REPORTED OUTCOMES IN THE ANTERIOR SHOULDER INSTABILITY PATIENT POPULATION: ARE THEY ASSOCIATED WITH MRI IMAGING FINDINGS IN THE PRE-OPERATIVE SETTING?**
 Mohammad Samim, Adam Jacobs, Mandeep Virk, Laith Jazrawi, Robert Meislin, Eric Strauss, Michael Alaia, Andrew Rokito, Soterios Gyftopoulos
 NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA
 (Presented by: Mohammad Samim, MD, NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center)
- 12:00 p.m. #41 **ESTABLISHING A SHOULDER ULTRASOUND PROGRAM IN RURAL UGANDA: INITIAL EXPERIENCE**
 Jon Jacobson
 University of Cincinnati Medical Center, Cincinnati, OH, USA
 (Presented by: Jon Jacobson, MD, University of Cincinnati Medical Center)
- 12:15 p.m. #42 **ENTRAPMENT NEUROPATHIES AT THE ELBOW: A RETROSPECTIVE ANALYSIS ON INSTITUTIONAL PREVALENCE WITH REVIEW OF ETIOLOGY, ANATOMY, AND IMAGING FEATURES**
 Ahmad Babaa, Stephen Liu, Russel Huffman, Jenny Bencardino
 Hospital of University of Pennsylvania, Philadelphia, PA, USA
 (Presented by: Ahmad Babaa, DO, Hospital of University of Pennsylvania)
- 12:30 p.m.–12:35 p.m.** **CASE OF THE DAY #6** Presenting author: Joseph Delic, MD
- 1:30 p.m.–5:00 p.m.** **BREAKOUT SESSION: ARTIFICIAL INTELLIGENCE IN MSK**
Moderators: Jutta Ellermann, MD, Oganesh Ashikyan, MD
- 1:30 p.m. **A BUMPER-CAR CURRICULUM FOR TEACHING DEEP LEARNING FOR RADIOLOGISTS**
 Michael Richardson, MD
- 1:42 p.m. **Q & A**
- 1:45 p.m. **OPEN PANEL DISCUSSION: FIRST IMPRESSIONS OF MSK AI - WHO IS IT FOR AND IS IT HELPING?**
 Ari Jonisch, MD, Jan Fritz, MD
- 2:05 p.m. **CHALLENGES WITH ESTABLISHING GROUND TRUTH**
 Dana Lin, MD
- 2:17 p.m. **Q & A**
- 2:20 p.m. **OPEN PANEL DISCUSSION: MSK AI: EARLY REAL-LIFE EXPERIENCES**
 Hari Trivedi, MD, John Crues, MD
- 2:17 p.m. **BREAK**
- 2:50 p.m. **FDA PERCEPTIONS ON AI PRODUCTS**
 Matthew Li, MD

3:02 p.m.		Q & A
3:05 p.m.		OPEN PANEL DISCUSSION: IMPLEMENTATION AND LOGISTICS: WHAT CAN WE LEARN FROM OUR SUCCESSES AND FAILURES? WHAT ARE THE MEDICOLEGAL IMPLICATIONS? Hillary Garner, MD, Leon Lenchik, MD, Kenneth Buckwalter, MD
3:25 p.m.		TRANSLATING AI AND NLP SPEAK TO RADIOLOGY (RADIOMICS, NLP) Oganes Ashikyan, MD
3:45 p.m.		WHAT MAKES A STRONG AI PAPER AND HOW TO SPOT COMMON FLAWS? Paul Yi, MD
4:05 p.m.		BREAK
4:15 p.m.		HANDS-JOB SESSION: DEEP LEARNING FOR RADIOLOGISTS Michael Richardson, MD
1:30 p.m.–2:15 p.m.		<u>BREAKOUT SESSION – SPECIAL SESSION FOR RESIDENTS</u> Moderators: Barry Hansford, MD, Maxie Kresse, MD
1:30 p.m.		SUCCEEDING AS A RESIDENT Edward Mardakhaev, MD
1:45 p.m.		STUDYING MSK EFFECTIVELY Joe Delic, MD
2:00 p.m.		GETTING INVOLVED WITH THE SSR AS A RESIDENT Alison Esteva-Sanders, MD, Rishabh Gattu, MD
2:15 p.m.–2:30 p.m.		BREAK
2:30 p.m.–4:00 p.m.		<u>BREAKOUT SESSION – SPECIAL SESSION FOR RESIDENTS: ABSTRACT PRESENTATIONS</u> Moderators: Eric Goodman, MD, Hadas Banhabib, MD
2:30 p.m.	#R1	SHOULDER INJURY RELATED TO VACCINE ADMINISTRATION (SIRVA): IMAGING FEATURES OF SYMPTOMATIC NON-TARGET VACCINATION Tina Shiang, MD, UMass Memorial Med Center University of Mass Medical School
2:37 p.m.	#R2	BICEPS GROOVE AT THE SHOULDER: USE IT OR LOSE IT? Michael Hoy, MD, Thomas Jefferson University Hospital
2:44 p.m.	#R3	ACCURACY OF MR ARTHROGRAPHY IN THE DETECTION OF POSTERIOR GLENOID LABROLIGAMENOUS INJURIES Allison Rixey, MD, Mayo Clinic
2:51 p.m.	#R4	SCHEDULING MRI FOR PATIENTS WITH METALLIC HARDWARE: IT'S NOT SO "HARD" TO FIGURE OUT "WHERE" Michael Hornick, MD, University Hosp of Cleveland / Case Western Reserve Univ Sch of Med
2:58 p.m.	#R5	PROBLEMS ASSOCIATED WITH DEVELOPMENT OF NEURAL NETWORK FOR AUTOMATED QUALITY CONTROL OF MSK RADIOGRAPHS. Mohamad Hadied, MD, Henry Ford Health System
3:05 p.m.	#R6	MUCOID DEGENERATION OF THE ACL: ATRAUMATIC AND SYMPTOMATIC Andrew Kilgore, MD, Thomas Jefferson University Hospital
3:12 p.m.	#R7	NATURAL HISTORY OF PROGRESSION OF GLUTEAL TEARS USING MRI Zachary Pryor, MD, Thomas Jefferson University Hospital

3:19 p.m. #R8 **ANNULAR PULLEY RUPTURE OF THE TOES: EXPANDING THE DIFFERENTIAL FOR FOREFOOT PAIN WITH NOVEL MR FINDINGS**
Paul Wojack, MD, Northwell Health

3:26 p.m. #R9 **UTILITY OF ULTRASOUND IN THE INITIAL EVALUATION OF SUPERFICIAL SOFT TISSUE MASSES**
Mike Bao, MD, Beth Israel Deaconess Medical Center Harvard Med School

3:33 p.m. #R10 **VALUE OF RADIOLOGY INPUT DURING MULTIDISCIPLINARY ORTHOPEDIC ONCOLOGY CASE CONFERENCE**
Eddy Zandee Van Rilland, MD, Beth Israel Deaconess Medical Center Harvard Med School

4:00 p.m.–5:00 p.m. **HOT SEAT CONFERENCE - RHEUMATOLOGY CASES**
Robert Morris, MD, Maxie Kresse, MD

Wednesday, March 16, 2022

7:00 a.m.–7:55 a.m.	Continental Breakfast
7:00 a.m.–12:30 p.m.	Registration/Information Desk Open
7:00 a.m.–10:30 a.m.	Exhibit Hall Open
7:00 a.m.–10:30 p.m.	ePoster Session

7:00 a.m.–8:00 a.m.

HEALTH & WELLNESS SESSION

Moderator: Hailey Allen, MD

7:00 a.m.

WELLNESS IN THE WORKPLACE: WHAT LEADERS AND EMPLOYERS CAN DO

Hailey Allen, MD, University of Utah

7:15 a.m.

A GEEK'S APPROACH TO WORK-LIFE BALANCE

Michael Richardson, MD

7:30 a.m.

PERSONAL WELLNESS: AN INTRODUCTION TO HEARTFULNESS MEDITATION

Meera Raghavan, MD

7:45 a.m.

Q&A

8:00 a.m.–10:00 a.m.

TECHNIQUES & TECHNOLOGIES

Moderators: Jan Fritz, MD, Naveen Subhas, MD

8:00 a.m. #43

MSK AND SPINE MRI IN PATIENTS WITH CARDIAC IMPLANTABLE ELECTRONIC DEVICES

Robert Morris, Scott Kleinpeter, David Pitre

University of Mississippi Medical Center, Jackson, MS, USA

(Presented by: Robert Morris, MD, University of Mississippi Medical Center)

8:15 a.m. #44

PATIENT-SPECIFIC HOMOGENOUS SPECTRAL FAT SUPPRESSION FOR DISTAL EXTREMITY MRI: INITIAL EXPERIENCE WITH A NOVEL TECHNIQUE

Iman Khodarahmi¹, Inge Brinkmann², Mary Bruno¹, Venkata Chebrolu², Jan Fritz¹

¹NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA,

²Siemens Medical Solutions USA Inc., Malvern, PA, USA

(Presented by: Iman Khodarahmi, MD, PhD, NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center)

8:30 a.m. #45

KNEE DERANGEMENTS: COMPARISON OF ISOTROPIC 3D PD AND PD SPAIR HR WITH COMPRESSED SENSING AT 1.5 TESLA, AND CONVENTIONAL 2D MR IMAGING IN REAL WORLD SETTING

Marc-André Hamel, Gregory Dieudonne, Andrew Chen, Johnny Monu, Vanessa Zayas-Colon, Timothy Baran, Scott Schiffman

The University of Rochester School of Medicine and Dentistry, Rochester, NY, USA

(Presented by: Marc-André Hamel, MD, The University of Rochester School of Medicine and Dentistry)

8:45 a.m. #46

ASSOCIATION OF CT-DERIVED BODY COMPOSITION WITH FRAILTY IN OLDER ADULTS: IS FAT MORE IMPORTANT THAN MUSCLE?

Paul Bunch¹, Khalid Niazi¹, Joseph Rigdon¹, Mohamed Warfa¹, Robert Boutin², Leon Lenchik¹

¹Wake Forest University School of Medicine, Winston-Salem, NC, USA, ²Stanford University

School of Medicine, Stanford, CA, USA

(Presented by: Leon Lenchik, MD, Wake Forest University School of Medicine)

- 9:00 a.m. #47 **SHEAR WAVE SPEED AS A USEFUL BIOMARKER OF TENDON HEALTH: CORRELATION WITH CONVENTIONAL US AND CLINICAL SCORES IN A BLINDED RANDOMIZED PLACEBO-CONTROLLED TRIAL FOR TREATMENT OF JUMPER'S KNEE**
Zachary Stewart, Bryan Heiderscheit, Darryl Thelen, John Wilson, Kenneth Lee
University of Wisconsin Hospital & Clinics, Madison, WI, USA
(Presented by: Zachary Stewart, MD, University of Wisconsin Hospital & Clinics)
- 9:15 a.m. #48 **SUBOPTIMAL MSK MR IMAGING SITUATIONS: PERFORMANCE OF TIME-NEUTRAL DIXON FAST SPIN ECHO**
Ivan Davis, Cooper Dean, Chris Siström, Troy Storey
University of Florida, Gainesville, FL, USA
(Presented by: Ivan Davis, MD, University of Florida)
- 9:30 a.m. #49 **3 TESLA MR NEUROGRAPHY GUIDED NERVE BLOCKS FOR THE TREATMENT OF PUDENDAL NEURALGIA**
Danoob Dalili^{1,2}, Shivani Ahlawat², Amanda Isaac³, Ali Rashidi⁴, Arya Mirzaian², Jan Fritz⁵
¹South West London Elective Orthopaedic Centre (SWLEOC), London, United Kingdom, ²Johns Hopkins University, Baltimore, MD, USA, ³Kings College London, London, United Kingdom, ⁴Stanford University School of Medicine, Stanford, CA, USA, ⁵NYU Medical Center/ Hospital for Joint Diseases Langone Medical Center, New York, NY, USA
(Presented by: Danoob Dalili, MBBS, FRCR, EDiMSK, Johns Hopkins University)
- 9:45 a.m. #50 **SERIAL RADIOGRAPHIC APPEARANCE OF CERAMENT BONE GRAFT SUBSTITUTE IN VARIOUS ORTHOPEDIC SURGERY APPLICATIONS**
Bryeson Rodgers¹, Krista Goulding², Jonathan Flug², Jeremiah Long²
¹Mayo Clinic Alix School of Medicine, Phoenix/Scottsdale, AZ, USA, ²Mayo Clinic, Phoenix, AZ, USA
(Presented by: Jonathan Flug, MD, MBD, Mayo Clinic)
- 10:00 a.m.–10:05 a.m.** **CASE OF THE DAY #7** Presenting author: Jhanna A. Moore, MD
- 10:05 a.m.–10:30 a.m.** Break - Visit the Exhibit Hall
- 10:30 a.m.–12:15 p.m.** **KNEE & LOWER EXTREMITY**
Moderators: Artemis Petrides, MD, Michael Fox, MD
- 10:30 a.m. #51 **MRI PATTERNS OF ACL REPAIR WITH INTERNAL BRACE AUGMENTATION**
Jon Olson^{1,2}, Jordan Gold³, Wiemi Douguih³, Stephen Savioli^{1,2}, Ian Amber⁴, James Jelinek³, Mark Murphey¹
¹American Institute for Radiologic Pathology, Silver Spring, MD, USA, ²Walter Reed National Military Medical Center, Bethesda, MD, USA, ³MedStar Washington Hospital Center, Washington, DC, USA, ⁴MedStar Georgetown University Hospital, Washington, DC, USA
(Presented by: Jon Olson, DO, American Institute for Radiologic Pathology)
- 10:45 a.m. #52 **CAN MRI PREDICT THE REPAIRABILITY OF MENISCAL TEARS?**
Christopher Holland, Dillon Chen, Cyrus Bateni, Cassandra Lee
University of California, Davis, Sacramento, CA, USA
(Presented by: Dillon Chen, MD, University of California, Davis)
- 11:00 a.m. #53 **FACTORS AFFECTING MRI AND ARTHROSCOPIC CORRELATION OF MENISCAL AND ACL TEARS IN A LARGE PROSPECTIVE CLINICAL SETTING**
Zeeshan Baqui¹, Mercan Aslan¹, Christine Caruso¹, Greg Strnad¹, Morgan Jones², Kurt Spindler¹, Naveen Subhas¹
¹Cleveland Clinic Foundation, Cleveland, OH, USA, ²Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA
(Presented by: Zeeshan Baqui, MD, Cleveland Clinic Foundation)

- 11:15 a.m. #54 **MRI PREDICTORS OF OUTCOME AFTER ARTHROSCOPIC PARTIAL MENISCECTOMY**
Naveen Subhas¹, Nancy Obuchowski¹, Joshua Polster¹, Morgan Jones², Faysal Altahawi¹, William Cantrell¹, Greg Strnad¹, Mercan Aslan¹, Jean Schils¹, Kurt Spindler¹
¹Cleveland Clinic, Cleveland, OH, USA, ²Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA
(Presented by: Naveen Subhas, MD, MPH, Cleveland Clinic)
- 11:30 a.m. #55 **HOW TIME BETWEEN MENISCECTOMY AND MENISCAL TRANSPLANT CHANGES CLINICAL OUTCOMES**
Pritish Bawa^{1,2}, Rickard Bagott^{1,2}
¹Memorial Hermann Hospital - Texas Medical Center/ University of Texas HSC at Houston, Houston, TX, USA, ²McGovern Medical School, Houston, TX, USA
(Presented by: Pritish Bawa, MD, Memorial Hermann Hospital - Texas Medical Center/ University of Texas HSC at Houston)
- 11:45 a.m. #56 **FOOL ME ONCE... INCREASED SIGNAL OF THE FIBULAR COLLATERAL LIGAMENT OF THE KNEE, CLINICALLY SIGNIFICANT?**
Alan Alexander, Leanne Seeger
David Geffen School of Medicine at UCLA, Los Angeles, CA, USA
(Presented by: Alan Alexander, MD, MS, David Geffen School of Medicine at UCLA)
- 12:00 p.m. #57 **REVISITING THE DISTAL ANTERIOR FEMORAL METAPHYSEAL DEFECT IN ADOLESCENTS ON MRI: AN ANATOMIC VARIANT OR A SIGN OF PATELLOFEMORAL MALTRACKING?**
Tatiane Cantarelli Rodrigues¹, Luis Pecci Neto^{1,2,3}, Ivan Godoy^{1,2}, André Yamada^{1,2,3}, Abdalla Skaf^{1,3}
¹HCOR and Teleimagem, São Paulo, Brazil, ²UNIFESP, São Paulo, Brazil, ³Alta Diagnostic, São Paulo, Brazil
(Presented by: Tatiane Cantarelli Rodrigues, MD, HCOR and Teleimagem)
- 12:15 p.m. #58 **WITHDRAWN**