MAGNETIC RESONANCE IMAGING

104th Scientific Assembly and Annual Meeting
Radiological Society of North America
McCormick Place, Chicago

November 25–30
Meeting.RSNA.org  #RSNA18
Accreditation and Designation Statements

The Radiological Society of North America (RSNA®) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The RSNA designates this live activity for a maximum of 99.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Commission on Accreditation of Medical Physics Education Program (CAMPEP) has approved the direct transfer of AMA PRA Category 1 Credit™ to MPCEC on a credit-for-credit basis for medical physicists.

Corporate Symposium

Please refer to each course description in the online program to determine if CME credit is offered for the session. Instructions on claiming credit will be provided during the course. CME credit for the Corporate Symposiums will be provided through a third party provider and not through RSNA.
Walk Through The Week

SATURDAY, NOV 24, 2018
12:00–2:00 PM
Educational Courses
AAPM/RSNA Physics Tutorial Session 1
Session SPPH01 ........................................ E351

SUNDAY, NOV 25, 2018
10:45 AM–12:15 PM
Scientific Papers Sessions
Science Session with Keynote: Cardiac (Nonischemic Cardiomyopathies)
Session SSA04 ........................................ S404CD
Chest (Emphysema/COPD)
Session SSA05 ........................................ E451A
Science Session with Keynote: Gastrointestinal (Radiomics)
Session SSA07 ........................................ N226
Science Session with Keynote: Gastrointestinal (Crohn’s Disease and Small Bowel)
Session SSA08 ........................................ N227B
Genitourinary (Multi-Parametric Prostate MRI)
Session SSA10 ........................................ N229
Genitourinary (Gynecologic Malignancy)
Session SSA11 ........................................ N230B
Molecular Imaging (Brain)
Session SSA13 ........................................ S504CD
Musculoskeletal (Bone Marrow and Neoplasms)
Session SSA14 ........................................ E353C
Musculoskeletal (Lower Extremity)
Session SSA15 ........................................ E353B
Neuroradiology (White Matter Diseases: Beyond Bright T2)
Session SSA18 ........................................ E352

2:00–3:30 PM
Educational Courses
Update on Imaging in Dementia
Course RC105 ........................................ E451A
Abbreviated/Faster MRI Abdominal Pelvic Protocols
Course RC109 ........................................ S102CD
Anatomical MR Imaging for Radiotherapy Planning and Guidance
Course RC122 ........................................ S103AB
MR Imaging of the Female Pelvis for Planning Fertility Preservation Therapy and the Appearance of the Pelvis Post Therapy (Interactive Session)
Course RC129 .............................................. S404CD
MR Imaging-guided Breast Biopsy (Hands-on)
Course RC150 ............................................. E260

MONDAY, NOV 26, 2018

7:15–8:15 AM
Educational Courses
Controversy Session: Screening Breast MRI: Abbreviated versus Full Protocol
Session SPSC20. ................................. E350

8:00–10:00 AM
Educational Courses
Prostate MRI (Hands-on)
Course RCA21. ................................. S401AB

8:30–10:00 AM
Educational Courses
Evolving Imaging Methods for the Cancer Patient - Part 1 (Interactive Session)
Course MSAS21 ................................. S105AB
Case-based Review of Magnetic Resonance (Interactive Session)
Course MSCM21 ................................. S100AB
Molecular Imaging Symposium: Basics of Molecular Imaging
Course MSMI21 ................................. S405AB
MR Angiography: 2018 Update
Course RC212 ................................. E352
Emerging Technology: Elastography - Update 2018
Course RC217 ................................. S504CD
Whole-body MRI for Oncologic Decision Making in Bone Disease
Course RC218 ................................. S103AB
Functional MR Imaging for Tumor Targeting in Radiotherapy
Course RC222 ................................. S502AB
MRI Safety Issue for Implants, Devices, and Contrast: Update 2018 (Interactive Session)
Course RC229 ................................. N228

8:30 AM–12:00 PM
Educational Courses
Musculoskeletal Series: Knee MRI
Course RC204. ................................. E451B
Neuroradiology Series: Brain Tumors
Course RC205 .................................................. S406B

9:00–10:30 AM
Corporate Symposium
Perspectives in MR Contrast Use: What You Should Know for Your Practice: Presented by Northwest Imaging Forums, educational grant provided by Bracco Diagnostics, Inc.
Session CS21 .................................................. S101AB

10:30 AM–12:00 PM
Educational Courses
Case-based Review of Magnetic Resonance (Interactive Session)
Course MSCM22 .............................................. S100AB
Molecular Imaging Symposium: Oncologic MI Applications
Course MSMI22 ............................................. S405AB
Rectal MRI - Bring Your Own Device (Hands-on)
Course RCA22 .................................................. S404CD

10:30 AM–12:00 PM
Scientific Papers Sessions
Cardiac (Myocardial Ischemia and Viability (MRI): I)
Session SSC02 .............................................. S502AB
Science Session with Keynote: Gastrointestinal (LiRADS)
Session SSC05 .............................................. N228
Gastrointestinal (Liver Diffuse Disease, Fibrosis)
Session SSC06 .............................................. N229
Science Session with Keynote: Musculoskeletal (Body Composition)
Session SSC10 ............................................. S102CD
Neuroradiology/Head and Neck (Trauma Imaging: Picking Up the Pieces)
Session SSC11 .............................................. S402AB
Session SSC12 .............................................. N226
Vascular Interventional (Prostate and Uterine Embolization)
Session SSC15 .............................................. E352

12:00–12:20 PM
Showcase Presentations
Session ML23 . . . Machine Learning Showcase North Hall
3:00–4:00 PM
Scientific Papers Sessions
Cardiac (MRI: General Topics)
Session SSE04 ........................................... N226
Gastrointestinal (Advanced Imaging Texture Analysis)
Session SSE09 ........................................... S404CD
Musculoskeletal (Upper Extremity)
Session SSE15 ........................................... N228
Musculoskeletal (Metal Artifact Reduction Techniques)
Session SSE16 ........................................... N227B
Neuroradiology (Epilepsy Imaging)
Session SSE19 ......................................... E352
Pediatrics (Oncology and Nuclear Medicine)
Session SSE21 ......................................... E353B
Physics (MR: Diffusion and Susceptibility Imaging)
Session SSE24 ......................................... S504CD
Science Session with Keynote: Radiation Oncology
(Gynecologic Cancers)
Session SSE25 ......................................... S104B

4:30–6:00 PM
Educational Courses
Special Interest Session: Imaging Cognition 2018: Addiction
Session SPSI22 ................................. E353C
Special Interest Session: High-value MRI: Updates from the
February 2018 ISMRM-RSNA Co-provided Workshop
Session SPSI23 ................................. E450B

TUESDAY, NOV 27, 2018
7:15–8:15 AM
Educational Courses
Controversy Session: Prostate Cancer Imaging: Is the
Endorectal Coil Necessary?
Session SPSC30 ......................................... E350

8:00–10:00 AM
Educational Courses
Prostate MRI (Hands-on)
Course RCA31 ......................................... S401AB

8:30 AM–12:00 PM
Educational Courses
Cardiac Series: Emerging Cardiovascular MR and CT Imaging
Techniques
Course RC303 ......................................... E350
GenitourINARY Series: Prostate MRI in the PI-RADS Era: Detection, Diagnosis and MRI Guided/Targeted Interventions
Course RC307 ........................................ E353B

Breast Series: MRI
Course RC315 ............................... Arie Crown Theater

8:30–10:00 AM
Educational Courses
Radiology Safety: Effective Strategies in Patient Care (Interactive Session)
Course MSAS31 ................................ S105AB

Pulmonary Vascular Imaging
Course RC301 ................................. S104B

Challenging Cases in Body Oncologic Imaging (Interactive Session)
Course RC318 ................................. E353A

Role of MR Imaging in Cancer Staging and Treatment
Course RC320 ................................. S403B

Functional MR Imaging for Normal Tissue Response Assessment in Radiotherapy
Course RC322 ................................. S104A

MR Imaging of Rectal Cancer Before and After Therapy and Recent Advances in Imaging (Interactive Session)
Course RC329 ................................. N227B

10:30 AM–12:00 PM
Scientific Papers Sessions
Gastrointestinal (Advanced Liver MR Imaging Techniques)
Session SSG05 ................................ S503AB

Nuclear Medicine (Gastrointestinal Oncology Nuclear Imaging)
Session SSG09 ................................ S505AB

Neuroradiology (Brain Tumors: Looking Beyond the Obvious)
Session SSG10 ................................. E353A

Neuroradiology (Molecular Neuroimaging: From Diffusion to Beyond)
Session SSG11 ................................ E351

Radiation Oncology (CNS Malignancies)
Session SSG15 ................................. S403B

12:30–1:30 PM
Lunch and Learns
Lunch and Learn: Gadolinium Based Contrast Agents: Review of Class Label Updates and Medication Guides and Current Contrast Documentation Considerations; Presented by Bayer (invite-only)
Session LL22 ................................. S403A
1:30–3:00 PM
Educational Courses
Essentials of Neuro Imaging
Course MSES33 ................................. S100AB

3:00–4:00 PM
Scientific Papers Sessions
Breast Imaging (Monitoring Response to Treatment)
Session SSJ01 ................................. E450A
Breast Imaging (US Advanced Applications)
Session SSJ02 ................................. E353C
Cardiac (Myocardial Disease)
Session SSJ03 ................................. E353A
Science Session with Keynote: Cardiac (Oncology)
Session SSJ04 ................................. E260
Science Session with Keynote: Chest (Thoracic MRI)
Session SSJ05 ................................. S404AB
Gastrointestinal (Hepatocellular Carcinoma Response Imaging)
Session SSJ07 ................................. S104A
Gastrointestinal (Pancreas Imaging)
Session SSJ08 ................................. S102CD
Science Session with Keynote: Genitourinary (Benign Gynecologic Disease)
Session SSJ10 ................................. S404CD
Genitourinary (Scrotum and Bladder)
Session SSJ11 ................................. S403A
Molecular Imaging (Novel Multi-Modal Applications)
Session SSJ14 ................................. S505AB
Musculoskeletal (Muscle, Tendon and Nerve)
Session SSJ16 ................................. E353B
Science Session with Keynote: Nuclear Medicine (Chest/Breast Oncology Nuclear Imaging)
Session SSJ17 ................................. S504CD
Neuroradiology (Artificial Intelligence in Neuroimaging)
Session SSJ18 ................................. E451B
Neuroradiology (Movement Disorders: Moving Fast and Moving Slow)
Session SSJ19 ................................. E351
Physics (Image Reconstruction)
Session SSJ22 ................................. N227B
Vascular Interventional (Spine and Bone Intervention)
Session SSJ26 ................................. S502AB
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<th>Time</th>
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<td>4:30–6:00 PM</td>
<td><strong>Educational Courses</strong></td>
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<td>Nonischemic Cardiomyopathies: New Role of Cardiac MRI</td>
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<td>Course RC403.</td>
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<td>Imaging of the Colorectum</td>
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<td>Peripheral Artery Disease: CTA and MRA</td>
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<td>Course RC412.</td>
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<td>The Neoadjuvant Patient</td>
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<td>Emerging Technology: 3D Joint Imaging</td>
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<td>Course RC417.</td>
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<td>Tips, Tricks and Pitfalls in Body Oncological Imaging: Experts Tell All</td>
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<td>Course RC418.</td>
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<td>Imaging Cancer in the Cirrhotic Liver: What We Need to Know (Interactive Session)</td>
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<td>Course RC429.</td>
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<td>WEDNESDAY, NOV 28, 2018</td>
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<td>7:15–8:15 AM</td>
<td><strong>Educational Courses</strong></td>
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<td>Hot Topic Session: Fast MSK MR Imaging</td>
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<td>Session SPSH40.</td>
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<td>8:00–9:00 AM</td>
<td><strong>Educational Courses</strong></td>
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<td>ASRT@RSNA 2018: Ultrasound versus MRI for Imaging of the Female Pelvis</td>
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<td>Course MSRT41.</td>
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<td>8:00–10:00 AM</td>
<td><strong>Educational Courses</strong></td>
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<td>Prostate MRI (Hands-on)</td>
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<td>Course RCA41.</td>
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<td>8:30–10:00 AM</td>
<td><strong>Educational Courses</strong></td>
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<td>Essentials of Temporal Bone Imaging</td>
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<td>Course RC506.</td>
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<td>Head and Neck PET/CT: Clinical Approach</td>
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<td>Course RC511.</td>
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<td>BI-RADS Interactive Challenge (Interactive Game)</td>
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<td>Course RC515.</td>
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<td>Emerging Technology: PET/MRI Update 2018</td>
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<td>Course RC517.</td>
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Metabolic Tumor Imaging: Current and Beyond
Course RC518 ........................................... N229
The Abbreviated Liver MRI Imaging Protocol
Course RC529 ........................................... S102CD

8:30 AM–12:00 PM
Educational Courses
Musculoskeletal Series: Shoulder MRI
Course RC504 ........................................... S406A
Neuroradiology Series: Stroke
Course RC505 ........................................... E450A
Course RC512 ........................................... S503AB
Pediatric Series: Pediatric Radiology
Course RC513 ........................................... S405AB

10:30 AM–12:00 PM
Educational Courses
BOOST: Lymphoma-Oncology Anatomy and Case-based Multidisciplinary Review (Interactive Session)
Course MSRO42 ................................. S103CD

10:30 AM–12:00 PM
Scientific Papers Sessions
Cardiac (CT, MRI and PET: General Topics)
Session SSK03 ........................................... S102CD
Science Session with Keynote: Gastrointestinal (Colorectal Imaging)
Session SSK06 ........................................... S502AB
Genitourinary (Renal Masses)
Session SSK09 ........................................... N226
Genitourinary (PI-RADS)
Session SSK10 ........................................... N228
Molecular Imaging (New Tracers)
Session SSK12 ........................................... S504CD
Musculoskeletal (Advances in MR Imaging)
Session SSK13 ........................................... N229
Neuroradiology (Functional Neuroimaging)
Session SSK16 ........................................... E351
Physics (MR: Applications)
Session SSK17 ........................................... E353B
12:30–1:30 PM
Lunch and Learns
Lunch and Learn: Thinking Faster, Safer, & Smarter: How You Can Use AI to Improve MR and PET Imaging Efficiency, Patient Satisfaction, and Safety: Presented by Subtle Medical (invite-only)
Session LL33 ........................................ S403B

3:00–4:15 PM
Educational Courses
BOOST: Advanced Techniques in Image-guided Therapy (Interactive Session)
Course MSRO44 ............................... S103CD

3:00–4:00 PM
Scientific Papers Sessions
Cardiac (Anatomy)
Session SSM03 ................................. S102CD
Cardiac (Arrhythmia and Electrophysiology)
Session SSM04 ................................. S103AB
Gastrointestinal (Gallbladder and Bile Ducts)
Session SSM09 ................................. S503AB
Informatics (Quantitative Imaging)
Session SSM12 ................................. E353B
Musculoskeletal (Novel Signs and Patterns)
Session SSM15 ................................. E450B
Neuroradiology (Advances in Neuro MRI)
Session SSM18 ................................. N226
Radiation Oncology (Genitourinary)
Session SSM22 ................................. E261

3:30–5:00 PM
Educational Courses
RSNA/ESR Sports Imaging Symposium: Postoperative Imaging of Sports Injuries
Course MSSR44 ............................... E352

4:30–6:00 PM
Educational Courses
Controversy Session: CT or MRI after Equivocal Appendix Visualization on Pediatric Ultrasound?
Session SPSC43 ................................. N226
Controversy Session: Gadolinium for MR Examination: To Give or Not to Give
Session SPSC44 ................................. N228
Controversy Session: CTA or MRA?
Session SPSC45 ................................. E353A
THURSDAY, NOV 29, 2018

7:15–8:15 AM
Educational Courses
Neuro Nightmares: Headscratchers from Overnight (Case-based Competition)
Session SPDL50 ............................................. E451B
Controversy Session: In Stenotic Vascular Disease, Diameter Stenosis is All that Matters
Session SPSC50 ............................................. E350

8:00–10:00 AM
Educational Courses
Prostate MRI (Hands-on)
Course RCA51 ................................................ S401AB

8:30–10:00 AM
Educational Courses
Cardiac Imaging for Transcatheter Intervention Planning
Course RC603 ................................................ S103CD
Chronic Pelvic Pain: Added Value of MRI in Endometriosis, Fibroids, and Pelvic Floor Relaxation
Course RC607 ................................................ S402AB
Advanced Breast Imaging Technologies
Course RC615 ................................................ E451A
Emerging Technologies: Prostate Cancer Imaging & Management - Update 2018
Course RC617 ................................................ S505AB
Quantitative MR Imaging and Clinical Applications (Interactive Session)
Course RC629 ................................................ S103AB

10:30 AM–12:00 PM
Scientific Papers Sessions
Breast Imaging (Abbreviated MRI, Ultrafast Imaging and Artificial Intelligence)
Session SSQ01 ................................................ E450A
Cardiac (Great Vessels and Cardiopulmonary Disease)
Session SSQ02 ................................................ S404AB
Science Session with Keynote: Cardiac (Coronary Artery Disease: CT and MR Techniques)
Session SSQ03 ................................................ S404CD
Chest (Functional Lung Imaging/Dual-Energy CT/Radiation Dose Reduction)
Session SSQ05 ................................................ E353B
Gastrointestinal (General Abdominal Imaging)
Session SSQ06 ................................................ E350
Genitourinary (Functional Renal Imaging)
Session SSQ09 ................................................. S103CD

Genitourinary (New Techniques in Prostate Imaging and Intervention)
Session SSQ10 ................................................. S102CD

Molecular Imaging (Musculoskeletal, Gastrointestinal, Cardio)
Session SSQ12 ................................................. S504CD

Musculoskeletal (Arthritis and Cartilage)
Session SSQ13 ................................................. E451A

Nuclear Medicine (Technical Innovations and Emerging Opportunities)
Session SSQ14 .................................................. S505AB

Neuroradiology (Dots and Dashes: Image Analysis in Neuroradiology)
Session SSQ15 .................................................. S503AB

Neuroradiology (Cervicocranial Vascular Imaging)
Session SSQ16 .................................................. S504AB

2:30–4:00 PM
Educational Courses
Rectal MRI - Bring Your Own Device (Hands-on)
Course RCA54 .................................................. S404CD

3:00–4:00 PM
Educational Courses
Hot Topic Session: Immunotherapy for Cancer-A Demanding New Imaging Frontier
Session SPSH54 .................................................. S503AB

4:30–6:00 PM
Educational Courses
Imaging of Thoracic Neoplasms: Update 2018 (Interactive Session)
Course RC701 .................................................. E450A

Emerging Technology: Imaging of Dementias
Course RC717 .................................................. S505AB

Pancreaticobiliary MR Imaging (Interactive Session)
Course RC729 .................................................. S404CD

MR Imaging-guided Breast Biopsy (Hands-on)
Course RC750 .................................................. E260

FRIDAY, NOV 30, 2018
8:30–10:00 AM
Educational Courses
MR Imaging in the Thorax
Course RC803 .................................................. E353C
Ligamentous Injuries of the Knee: Mechanistic Approach with Emphasis on MR Imaging
Course RC804...................................... E451A

Six Common Difficult Problems in GI and GU MRI: The Experts’ Approach
Course RC829...................................... E351

9:30 AM–12:30 PM
Educational Courses
International Symposium in Musculoskeletal Radiology (In Conjunction with Asian Musculoskeletal Society (AMS), European Society of Musculoskeletal Radiology (ESSR), German Society of Musculoskeletal Radiology (DGMSR), International Skeletal Society (ISS), Korean Society of Musculoskeletal Radiology (KSMR) and Society of Skeletal Radiology (SSR))
Session SPIS61...................................... E450A

10:30 AM–12:00 PM
Scientific Papers Sessions
Chest (Thoracic Malignancy)
Session SST02...................................... E350
Gastrointestinal (Advanced MRI Techniques)
Session SST03...................................... E352
Genitourinary (Imaging of Pregnancy)
Session SST04...................................... E260
Musculoskeletal (Spine)
Session SST05...................................... E351
Nuclear Medicine (Abdomen and Pelvis Nuclear Imaging)
Session SST06...................................... E261
Neuroradiology/Head and Neck (Head and Neck Imaging: Back to the Future)
Session SST07...................................... E353A
Pediatrics (Neuroradiology)
Session SST08...................................... E263
Posters and Exhibits
Discussions

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

SUNDAY, NOV 25, 2018
12:30–1:00 PM
Scientific Posters
MRI Projection Mapping for Conserving Surgery of Breast Cancer in the Operation Room: A Feasibility Study
PH200-SD-SUA1 .......................... Station #1

1:00–1:30 PM
Scientific Posters
Abdominal Fast Advanced Spin Echo Diffusion-Weighted Imaging at High B Value: Phantom and Clinical Studies
GI333-SD-SUB1 .......................... Station #1

1:00–1:30 PM
Education Exhibits
New Findings on Breast MRI with Benign or Probably Benign Characteristics: Evaluation, Differential, and Management Dilemmas
BR174-ED-SUB10 .......................... Station #10

MONDAY, NOV 26, 2018
12:15–12:45 PM
Scientific Posters
Chemical Exchange Saturation Transfer MR Imaging for Mediastinal Masses: Phantom Study and Clinical Cases
PH211-SD-MAO2 .......................... Station #2

Diagnostic Performance of Intravoxel Incoherent Motion Diffusion-Weighted Imaging in the Assessment of the Dynamic Status of Myocardial Microvascular Circulation
CA210-SD-MAO1 .......................... Station #1

 Eliminating Susceptibility Induced Hyperintensities in Ultra High Field T1w MPRAGE Brain Images
PH213-SD-MAO4 .......................... Station #4

 Unmodified, Autologous Adipose Tissue Derived Regenerative Cells Improve Cardiac Function, Structure and Revascularization in a Porcine Model of Chronic Myocardial Infarction
CA215-SD-MAO6 .......................... Station #6
Use of KZ-Space in Multislice MRI for Sub-mm Through-Plane Resolution
PH217-SD-MOA8........................................... Station #8

**12:15–12:45 PM**

**Education Exhibits**
Factors Affecting MRI Accuracy in Evaluating of Neoadjuvant Therapy Response in Breast Cancer: A Pictorial Review with Radiopathological Correlation
BR177-ED-MOA8........................................... Station #8

Mentorship in Radiology: It Doesn’t Have to Be All Greek to You
HP008-EB-MOA .............................................. Hardcopy Backboard

Probably Benign Assessment on Breast MRI: Appropriate and Inappropriate Utilization
BR181-ED-MOA12 ........................................... Station #12

**12:45–1:15 PM**

**Scientific Posters**
Characterisation of Dynamic Nuclear Hyperpolarization by Hydrodynamics, Liquid-Surface Interaction and Liquid-to-Tissue Ratio
PH223-SD-MOB6........................................... Station #6

Comparison of Diagonal and Three-Scan Trace Diffusion Modes in Diffusion-Weighted Imaging of Bladder Cancer
PH222-SD-MOB5........................................... Station #5

Dynamic ADC Analysis of the Brain in the Supine and Upright Postures
PH219-SD-MOB2........................................... Station #2

Intraindividual Comparison of Double Arterial-Phases Using Compressed Sensing Reconstruction with Conventional Single Arterial-Phase for Gadoxetic Acid Liver MR Imaging
GI349-SD-MOB3........................................... Station #3

Therapeutic Nipple Sparing Mastectomy (NSM): Tumor-To-Nipple Distance (TND) on Preoperative MRI as Useful Variable in Surgical Patient Selection and Outcomes
BR236-SD-MOB2........................................... Station #2

Usefulness of Strain Imaging During Stress-CMR with Adenosine Infusion for a Combined Perfusion-Contractility Evaluation in Detection of Myocardial Ischaemia and Viability
CA222-SD-MOB6........................................... Station #6
**TUESDAY, NOV 27, 2018**

**12:15–12:45 PM**

**Scientific Posters**
Differential Subsampling with Cartesian Ordering (DISCO) with Respiratory Triggering versus Conventional Liver Acquisition with Volume Acquisition (LAVA): A Multiple-Reader Preference Study
GI361-SD-TUA7 .................................. Station #7

Histological Whole-Slide Imaging for Invasive Breast Cancer: A Novel Technique to Obtain Quantitative Parameters Correlating with the Apparent Diffusion Coefficient
BR244-SD-TUA4 .......................... Station #4

Pre-Treatment Prediction of Pathologic Complete Response to Neoadjuvant Chemotherapy in Node-Positive Breast Cancer Patients: A Breast MRI Radiomics Pilot Study
BR243-SD-TUA3 .......................... Station #3

**12:15–12:45 PM**

**Education Exhibits**
Quantitative MRI Radiomics in Breast Cancer: Tumor Perfusion and Heterogeneity
BR009-EB-TUA ............................ Hardcopy Backboard

**12:45–1:15 PM**

**Scientific Posters**
Clinical Usefulness of Digital Breast Tomosynthesis (DBT) and Hybrid 18F-FDG PETMRI (PETMR) for Monitoring Neoadjuvant Chemotherapy (NAC) in Breast Cancer
BR247-SD-TUB1 .......................... Station #1

**WEDNESDAY, NOV 28, 2018**

**12:15–12:45 PM**

**Scientific Posters**
GI369-SD-WEA1 .......................... Station #1

Associations Between Magnetic Resonance Imaging (MRI) Biomarkers and Tumor-Infiltrating Lymphocytes (TILs) in Breast Cancer: Results from a Preliminary Study
BR254-SD-WEA1 .......................... Station #1

Can MR Differentiate Between Low Rectal Cancer and Anal Cancer?
GI373-SD-WEA5 .......................... Station #5
Magnetic Resonance Liver Hepatic Quantification: Hepatic Steatosis Normalization after 6 Months of Sleeve Gastrectomy—Preliminary Results
GI372-SD-WEA4 ........................................ Station #4

Magnetization Transfer Helps to Evaluate the Curative Effect Before and After Treatment of Diabetic Nephropathy
PH245-SD-WEA6 ........................................ Station #6

BR256-SD-WEA3 ........................................ Station #3

12:45–1:15 PM
Scientific Posters
Performance of Screening Breast MRI According to Different Risk Categories
BR266-SD-WEB6 ........................................ Station #6

Peristalsis MR Imaging in Direct Visualization of Physiological Intestinal Flow by Spin Labeling Technique
PH246-SD-WEB1 ........................................ Station #1

THURSDAY, NOV 29, 2018
12:15–12:45 PM
Scientific Posters
Comparison between Abbreviated Protocol (AB-MR) and Full Diagnostic Protocol (FD-MR) in the Characterization of Lesions Detected by Breast MRI: A Multi-reader Study
BR272-SD-THA6 ........................................ Station #6

Free Breathing Abdominal MRI: Preliminary Experience with In-Table Respiratory Gating
GI387-SD-THA7 ........................................ Station #7

Prediction of Axillary Response by Monitoring with Ultrasound and MRI During and After Neoadjuvant Chemotherapy in Breast Cancer Patients
BR268-SD-THA2 ........................................ Station #2

12:15–12:45 PM
Education Exhibits
Neck Magnetic Resonance Angiography for Determination of Neointimal Coverage of the Stenting Site After Carotid Artery Stenting
V1171-ED-THA8 ........................................ Station #8

Systematic Approach to Lesions Involving Nipple-Areolar Complex Using MRI
BR212-ED-THA8 ........................................ Station #8
12:45–1:15 PM
Scientific Posters
Influence of Fat Deposition on T1 Mapping of the Pancreas: Evaluation by Dual Flip Angle MR Imaging with and Without Fat Suppression
GI390-SD-THB2 .......................... Station #2

T2-Weighted and Diffusion-Weighted MRI of Liver on 1.16 T Open MRI Scanner: Image Quality Considerations in Comparison to 1.5 T
GI392-SD-THB4 .......................... Station #4

12:45–1:15 PM
Education Exhibits
MRI Biopsy Radiology/Pathology Concordance: A Rapid Review of Common Pathologic Entities
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## Education Exhibits

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<td>Incidental Extra-Mammary Findings on Breast MRI: A Pictorial Illustration</td>
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<td>A Radiologist’s Practical Guide to use of DWI during Breast MRI</td>
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<td>How to Identify Women Who Are Above Average Risk for Developing Breast Cancer: Retrospective Review of our Institution’s First Year Experience After Implementing a Breast Cancer Risk Assessment Program in Breast Imaging</td>
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