Breakout Session #1: 1:00 P.M.–2:00 P.M.
Open Bore Imaging at 1.5T and 3T

This session will address clinical knowledge and patient positioning, the keys to providing optimal image quality, on wide bore systems. Advantages for the patient and imaging center, and challenges when using an open bore MRI 1.5T or 3T, will also be discussed. Participants will learn to use their knowledge of physics and imaging techniques to ensure image quality is not impacted when imaging large and claustrophobic patients.

Presenter:
Vera Kimbrell
MR Technologist Trainer
Shields Healthcare
S. Easton, MA

Breakout Session #2: 2:15 P.M.–3:15 P.M.
Abdominal Imaging: Don't Hold Your Breath

In this session, up-to-date imaging techniques needed for the toughest and more challenging patients will be discussed. These modern techniques, which include iPAT, HASTE, syngo® BLADE, and PACE, help technologists image elderly, extremely sick, or pediatric patients with or without anesthesia. Protocols and tips will be shared that provide insight to achieve improved image quality.

Presenter:
Thomas Mulholland, RT (R)(CT)(MR)
MRI Applications and Training Specialist
NYU Langone Medical Center
New York, NY

Breakout Session #3: 3:45 P.M.–4:45 P.M.
MR Image Quality: UPTIME Tips and Tricks

Clinical know-how is the key to providing optimal image quality. In this session, participants will learn various tips and tricks from UPTIME to aid in optimizing MR image quality by reducing common imaging artifacts to improve workflow.

Presenter:
Anne Zimmers
Advanced MR Applications Specialist
Siemens Healthcare
Cary, NC

Breakout Session #4: 8:00 A.M.–9:00 A.M.
MRA Vascular Imaging: With and Without Contrast

In this session, attendees will be provided with an overview of various MRA techniques. Standard contrast-enhanced techniques, including TWIST, as well as non-contrast techniques (Time-of-Flight, Phase Contrast, NATIVE SPACE, and TrueFISP) will be discussed. This presentation will also highlight a comparison between various types of contrast agents.

Presenter:
William Faulkner, BS, RT (R)(MR)(CT), FSMRT
MRI Education and Operations Consultant and Technologist
William Faulkner & Associates, L.L.C.
Chattanooga, TN
Breakout Session #5: 9:15 A.M.–10:15 A.M.
Protocol Optimization: Tips and Tricks at 1.5T

This session will cover steps on how to improve image quality. Imaging techniques to maintain or improve signal-to-noise, resolution, and scan time will also be discussed.

Presenter:
Michael Cecil
MRI Supervisor
Virginia Mason
Seattle, WA

Breakout Session #6: 10:45 A.M.–11:45 A.M.
Molecular MR (mMR): A Revolution in Diagnostic Imaging
Shared Session–Magnetic Resonance Imaging and Molecular Imaging Tracks

In this session, a brief overview of PET basics for the MR attendee and the MR/PET workflow will be discussed. Learn about important considerations when combining two independent imaging modalities. Presenters will share real-life technical experiences and solutions developed during the startup of a new mMR system.

Presenter(s):
Glenn Foster, RT (R)(MR)
MRI Supervisor
Center for Clinical Imaging Research
Washington University School of Medicine
St Louis, MO

Martin Schmitt, CNMT (N)(PET)
Charge Technologist of PET and Nuclear Medicine
Barnes–Jewish Hospital
St Louis, MO

Breakout Session #7: 1:00 P.M.–2:00 P.M.
syngo.via: MRI Postprocessing

This session will explain the various MRI tools available on the syngo.via platform. Automation, workflow, and the benefits of each tool will be shown. Current options available for the MRI syngo.via platform and how they are used will be demonstrated.

Presenter:
Vincent Morasco
MR Product Manager
Siemens Healthcare
Malvern, PA

Breakout Session #8: 2:15 P.M.–3:15 P.M.
MRI Safety Basics and Updates: What You Need to Know

This session will review current safety information and a description of testing procedures according to the American Society for Testing and Materials (ASTM). Safety nomenclature and safety guidelines of devices regarding field strength, Specific Absorption Rate (SAR), gradient coil, and spatial field gradients related to clinical practice will also be discussed. Additionally, updates on safety guidelines to various devices, an explanation of quench versus emergency shutdown, and updates on Nephrogenic Systemic Fibrosis will be provided.

Presenter:
Ulrich Rassner, MD
Radiologist
University of Utah
Salt Lake City, UT

Breakout Session #9: 3:45 P.M.–4:45 P.M.
Optimizing MSK Imaging in MRI

Clinical know-how is the key to providing optimal musculoskeletal images. Participants will gain a better understanding of coil selections, patient and coil positioning, parameter optimization, and workflow improvements. Data acquisition, MapIT, fat suppression techniques, and imaging tips will also be provided.

Presenter:
Rory Johnson
MRI Applications Specialist
Siemens Healthcare
Cape Coral, FL
Breakout Session #10: 8:00 A.M.–9:00 A.M
Successful VCG Triggering: Tips and Tricks for 1.5T and 3T

Receiving Vectorcardiogram Gating (VCG) triggering waveforms can sometimes be a challenge during MR examinations. This session will provide attendees with the basic concepts, application notes, and troubleshooting workflow needed to perform an optimal VCG triggering examination on a 1.5T or 3T system.

Presenter:
Gary McNeal
Adv Clin Spec, R&D
Siemens Healthcare
Chicago, IL

Breakout Session #11: 9:15 A.M.–10:15 A.M
Cardiac MRI: Simplify a Complex Exam

The complexity of cardiac MRI can lead to confusion and frustration for both the technologist and the interpreting physician. This session will provide attendees with tips to help optimize and simplify a cardiac exam and understand basic cardiac anatomy, including patient preparation and data acquisition of cardiac images. During the presentation, 1.5T, 3T, and systems equipped with state-of-the-art, DOT cardiac engines will be discussed.

Presenter:
Josh Bertola
Supervisor
University of Utah Health Care
West Jordan, UT

Breakout Session #12: 10:30 A.M.–11:30 A.M
Optimizing 1.5T and 3T: Pediatric Body and Neuro MRI

Clinical know-how is the key to providing optimal pediatric imaging for Neuro and Body examinations. This session will provide tips for pre-scan preparation, data acquisition, and optimal sequences used to perform Neuro and Body pediatric examinations at 3T.

Presenter:
Robert Carson, BS, RT (R)(MR)
MRI Protocol Team Leader
The Children’s Hospital of Philadelphia
Philadelphia, PA