



Third Annual MRI Safety Day

Saturday, November 30, 2019

7:30 a.m. – 4:30 p.m.

Rush University Medical Center
Professional Building Searle Conference Center, 5th Floor
1725 West Harrison St., Chicago, IL 60612



Hosted by: Department of Medical Imaging Sciences, College of Health Sciences, Rush University

The **Third Annual MRI Safety Day** is a one-day educational activity that enables healthcare professionals engaged in MRI to learn the latest safety information, guidelines, and standards. This year, two highly experienced and well-respected radiologists will provide lectures of particular relevance to Magnetic Resonance Medical Directors and Magnetic Resonance Safety Officers. The content presented in this program is intended for MRI technologists, radiographers, radiologists, imaging nurses, MRI researchers, physicists, MRI directors, managers, administrators, and others.

2019 Learning Objectives:

1. Summarize the importance of MRI safety education.
2. Differentiate the bioeffects associated with the static magnetic field, time-varying magnetic fields, and radiofrequency field.
3. Describe the risks associated with the electromagnetic fields associated with MRI.
4. Summarize guidelines and best practices that prevent projectile-related accidents.
5. Summarize guidelines that avoid issues related to acoustic noise.
6. Summarize procedures that prevent burns related to MRI.
7. Identify appropriate MRI screening procedures for patients and healthcare professionals.
8. Summarize the MRI labeling terminology for implants and devices
9. Describe the risks associated with implants and devices in MRI.
10. Describe guidelines for medical emergencies in the MRI setting.
11. Summarize guidelines for emergency shut down, quench, and cryogen safety in MRI.
12. Summarize updated guidelines for the use of gadolinium-based contrast agents (GBCAs).
13. Compare the association of various GBCAs with Nephrogenic Systemic Fibrosis and gadolinium retention.
14. Summarize the importance of professional society engagement.

This event is
approved for
6.75 CME/CE

ASRT 6.5

In support of improving patient care, Rush University Medical Center is jointly accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for the healthcare team.

Rush University Medical Center designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

ANCC Credit Designation – Nurses

The maximum number of hours awarded for this CE activity is 6.75 contact hours.

This activity is being presented without bias and with commercial support.

Rush University is an approved provider for physical therapy (216.000272), occupational therapy, respiratory therapy, social work (159.001203), nutrition, speech-audiology, and psychology by the Illinois Department of Professional Regulation.

Rush University designates this live activity for 6.75 Continuing Education credit(s).

This activity has been approved by the American Society of Radiology Technologists (ASRT) for 6.5 Category A Credits.

Audience:

- Radiologists and Other Physicians
- MRI Technologists/Radiographers
- Imaging Nurses and Nursing Personnel
- MRI Physicists
- MRI Researchers
- MRI Directors/Supervisors/Managers/Administrators
- Medical Imaging Specialists
- MRI and Other Vendors
- Educators/Instructors
- Front Office Staff Members

To Register:

www.rushu.rush.edu/MRISafety2019

General Registration: \$99.00

Student Registration: \$35.00

You will receive an email confirming your registration. Registration is from 7-8 a.m. and conference begins promptly at 8 a.m. Registration fee includes continental breakfast, snacks, lunch and a closing photo session with our guest speakers (wine & cheese served). Plus, attendees will receive a “SWAG BAG” containing great giveaways including a free copy of the latest edition of the Reference Manual for Magnetic Resonance, Safety, Implants and Devices and MRIsafety.com T-shirt.

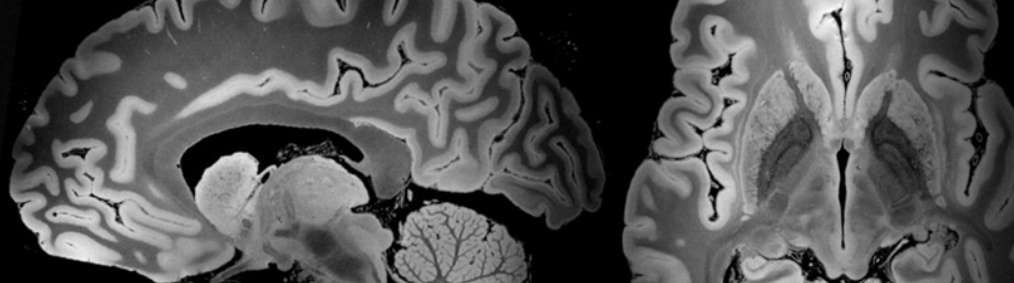
Hotel Reservation Information:

Marriott Chicago at Medical District/UIC
625 S. Ashland Ave.
Chicago, IL 60612

Discounted rate of \$159 per night. Hotel info will be forthcoming.

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Program Faculty

Jie Deng, PhD, DABMP, MRSO (MRSC™)

Shawna L. Farquharson, MSc(R)

2019-20 SMRT President

William Faulkner, BS, RT(R)(MR)(CT), FSMRT,
MRSO (MRSC™)

Kristan Harrington, MBA, RT(R)(MR), MRSO
(MRSC™)

Vera Kimbrell, BS, RT (R) (MR), FSMRT

Jay Pahade, MD

Frank G. Shellock, PhD, FACR, FACC, FISMRM

Laura P. Vasquez, PhD, RVT (ARDMS), RT (R),
(MR), (ARRT), MRSO (MRSC™)

Jeffrey C. Weinreb, MD, FACR, FISMRM,
FSCBT/MR



Program Schedule

7–8 a.m.

Registration and Continental Breakfast

Session I

8–8:20 a.m.

Importance of MRI Safety Education

Laura Vasquez, PhD, RVT, RT (R), (MR), MRSO (MRSC™)

8:20–8:50 a.m.

The Physics of MRI Safety

Jie Deng, PhD, DABMP, MRSO, MRSO (MRSC™)

8:50–9:30 a.m.

Gradient-Related Issues (Acoustic/PNS)

Kristan Harrington, MBA, RT (R), (MR), MRSO (MRSC™)

9:30–10:10 a.m.

**Performing MRI in Patients with Non-Conditional
Cardiac Pacemakers**

Kristan Harrington, MBA, RT (R), (MR), MRSO (MRSC™)

10:10–10:20 a.m.

Coffee and Snack Break

Session II

10:20–11:10 a.m.

**Patient Screening, Ferromagnetic Detection Systems,
and Cryogen Safety**

William Faulkner, BS, RT(R), (MR), (CT), FSMRT, MRSO (MRSC™)

11:10 a.m.–12 p.m.

**MRI-Related Burn Prevention/Labeling for Implants
and Devices/MRI Information for Implants and Devices**

Frank G. Shellock, PhD, FACR, FACC, FISMRM

12–1 p.m.

Lunch Break

Session III

1–1:15 p.m.

**MRI: The Importance of Professional Society
Engagement Involvement**

Shawna L. Farquharson, MSc (R)

1:15–2 p.m.

**Update on Gadolinium-Based Contrast Agents
Including NSF and Gadolinium Retention**

Jeffrey C. Weinreb, MD, FACR, FISMRM, FSCBT/MR

2–2:45 p.m.

**Should I Scan That Patient? Case Studies from
an MRMD**

Jay Pahade, MD

2:45–3 p.m.

Wine & Cheese Reception

3–4 p.m.

Expert Panel Discussion

4–4:30 p.m.

Closing of Program (Networking & Photos)