






SMRT and MR SAFETY

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- Professional society roles in your career
 - Knowledge
 - Growth
 - Support
 - Professional Friendships







WHY JOIN? WHY STAY?

- COME FOR THE EDUCATION!
- STAY FOR THE COMMUNITY
- MRI IS NOT JUST A JOB-IT'S A PROFESSION THAT RAPIDLY BECOMES A WAY OF LIFE
- SO MUCH TO LEARN-SO LITTLE TIME!

The mission of the SMRT is to advance global education in the field of magnetic resonance.

Vision Statement:
The Society for MR Radiographers & Technologists (SMRT) strives to be the leading resource for the global MR radiographer and technologist community.

SMRT HISTORY

- Founded 1990 in Washington DC
- After several iterations in name and society mergers, the **Society of Magnetic Resonance Radiographers and Technologist (SMRT)** emerged as a section of the International Society of Magnetic Resonance in Medicine (ISMRM)




Safety

- SMRT Safety committee-Created 2011
 - MR Safety Standards
 - Consult with FDA and Joint Working Group to provide end user prospective
 - Education
 - Provide MR safety education directed to MR technologist needs
 - Level 1 and Level 2 per JCACR
 - Safety resource library
 - Posters, video, and webinars
 - Social Media
 - Links to information
 - Forums to communicate and learn

Safety Standards



- **FDA**- Advisory role for review of device labeling or other MR safety issues-ASTM
- **JOINT WORKING GROUP** -Invited at the discretion of the groups conveners to participate in labeling discussions
 - -End User Manuals
- **IMPLANT VENDOR CONSULTING**- Individual companies seek advice from end users (technologists/radiologists) for design of implant conditional documentation

Education



- The main focus and role of the SMRT is educating MR technologists and radiographers. In that vein we have a wide portfolio of activities
 - Live meeting
 - Webinars and recorded conferences
 - Abstracts, papers and video educational offerings
 - Webpage dedicated to MR safety events, resources and information
 - <https://www.ismrm.org/mr-safety-links/>

NETWORKING OPPORTUNITIES



- Social media
 - Slack for questions, comments and sharing information
 - Facebook for posting pictures and advertising events
 - Networking opportunities for technologists to share information and make connections
- List-serve

MR PHYSICS and the Technologist/Radiographer



- We need the interactions, advice and collaboration of our friends and colleagues in the MR Physics community
 - Lectures for our meetings and webinars
 - Assist in abstracts, educational material and posters
 - Provide support in our endeavors to educate our workplaces and the MR community
 - Level 1 and 2 safety training
 - Ad-hoc advice with implant labels

PHYSICS and the MR Technologist



- The anchor of our safety "triad"
 - As technologists in the trenches of MR safety issues, we need physicist support to make good decisions and understand complicated implant conditions and indications.
- Risk/benefit decisions
 - Some clinical cases suffer from the lack of established safety guidelines but still need to move forward
 - Legacy pacemakers, unknown or unsafe metallic objects or devices

SMRT MR Technologist and Radiographers



- As a society, we represent the interests of radiographers/technologists and their educational requirements.
- As MR technologists/radiographers we take MR safety as our first and most important job. Protecting our patients, visitors and staff members from accidental harm.

The future
is bright



- We are on a rapid trajectory toward more complicated devices and safety decisions
 - Focused Ultrasound
 - MR/PET
 - MR & Radiation Oncology
 - Linac and Simulators
 - Low field niche scanners
 - 7T and higher field scanners
 - Implants galore!
- We've lots of work to do together!

REFERENCES

- Career Comparison: MRI Technologist vs. Sonographer. (2016, April 11). Retrieved from <https://www.aimseducation.edu/blog/career-comparison-mri-technologist-vs-sonographer/>
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 - ISMRM & SMRT MR Safety Resources. (n.d.). Retrieved from <https://www.ismrm.org/mr-safety-links/>