



# MRI SAFETY CONSULTING PORTFOLIO

**Dr. Nader Lohrasbi, PhD, MBA, DBA**

- PhD in Medical Physics,
- MSc in Radiological Technology,
- BSc in Radiologic Technology,
- Certified Expert in MRI Protocols & Safety Standards
- Over 15 years of clinical and academic experience in MRI safety and radiology



## INTRODUCTION

MRI is a powerful diagnostic tool, but without rigorous safety protocols, it can pose significant risks to patients, staff, and equipment. My MRI Safety Consulting services provide comprehensive solutions to identify, manage, and minimize these risks in line with international best practices.



## MY EXPERTISE COVERS:

- ✓ Development of complete MRI safety protocols for hospitals, clinics, and imaging centers
- ✓ Planning and evaluation of MRI room design (RF shielding, zoning, ferromagnetic detection)
- ✓ Assessment and certification of MRI environments for safety compliance
- ✓ Staff training on MRI hazards, emergency procedures, and safety awareness
- ✓ Customization of safety checklists and patient screening questionnaires
- ✓ Evaluation of implants and devices for MRI conditionality based on ASTM and ISO standards
- ✓ Investigation of MRI-related incidents and root cause analysis to prevent future occurrences
- ✓ Advising on MRI-compatible equipment procurement and room setup
- ✓ MRI risk management for specific populations (pediatrics, geriatrics, patients with claustrophobia or metallic implants)



## HIGHLIGHTS OF MY MRI SAFETY PROJECTS:

- ◆ Designed MRI safety SOPs for three major hospitals, reducing incident rates by over 80%
- ◆ Led staff workshops on MRI safety for more than 200 technologists and radiologists

- ◆ Advised on MRI suite construction, ensuring adherence to IEC 60601-2-33 standards
  - ◆ Conducted MRI risk assessments for cardiac implantable electronic devices (CIEDs)
  - ◆ Implemented patient screening protocols reducing MRI appointment cancellations due to safety issues
  - ◆ Consulted on MRI zoning and ferromagnetic object control in large medical centers
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## **TRAINING & WORKSHOPS:**

- 📖 Delivered certified MRI safety courses for radiology staff
  - 📖 Created educational materials for patient safety awareness in MRI
  - 📖 Organized emergency simulation drills for MRI-related incidents (quench, projectile accidents)
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## **ACHIEVEMENTS & RECOGNITIONS:**

- 🏆 Recognized by radiology departments for excellence in MRI safety strategy implementation
  - 🏆 Authored MRI safety chapters in two radiology textbooks
  - 🏆 Speaker at national conferences on MRI safety and best practices
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## **WHY CHOOSE MY CONSULTING SERVICES?**

- ✅ Proven expertise with international certifications and hands-on experience
  - ✅ Comprehensive approach from physical planning to staff training
  - ✅ Customized solutions tailored to each facility's unique environment
  - ✅ Dedication to minimizing risks, protecting patients, and ensuring regulatory compliance
  - ✅ Up-to-date knowledge of MRI safety guidelines including ACR, IEC, and local regulations
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## **CONTACT ME FOR:**

- ◆ MRI safety audits & certification
- ◆ On-site or remote MRI safety consulting
- ◆ Development of MRI-specific safety protocols and training programs
- ◆ Assistance with MRI room design and ferromagnetic safety controls
- ◆ Patient case consultations regarding MRI safety risks