

10 Week Online Course

Course Schedule

Week 1

Patient Care and Screening
Contrast Administration and Safety

Week 2

MR Departmental Framework and
Personnel Screening

Week 3

Basic Principles of MR

Week 4

Static Fields and Time Varying Gradient
Fields Effects

Week 5

Radio Frequency Fields and Biologic
Effects

Week 6

Implants and Devices
Medical Emergencies in MRI

Week 7

Quench Considerations

Week 8

Positioning

Week 9

Instrumentation

Week 10

Artifacts

MR IMAGING ASSISTANT MADE EASY COURSE

***All participants will receive:**

***51.5 Category A CE Credit
approval by the ASRT**

***Certificate of Course
Completion**

***Access to Instructor for MRI
questions and explanations**

***See Terms and Conditions**

**MR IMAGING
ASSISTANT
MADE EASY
COURSE**



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**NEW AGE INNOVATIONS
LLC.**

**TOUCHING LIVES
ONE INNOVATION AT
A TIME**

An Educational Service Of:



Objectives

1. To become familiar with Patient Care and Screening Issues related to MRI
2. To learn about the standards of MRI Safety and types of Contrast Agents
3. To become familiar with MR Departmental Framework
4. To learn about MR Departmental Screening Protocols
5. To learn about the Basic Principles and Terms of MRI Physics
6. To gain knowledge about Static Fields and Time Varying Gradient Fields Effects
7. To gain knowledge Radio Frequency and Biologic Effects
8. To evaluate Implants and Devices
9. To become familiar with Medical Emergencies in MR
10. To learn about Quench Considerations
11. To learn about Patient Positioning and identifying anatomical landmarking
12. To learn about Instrumentation used in MR
13. To review and recognize the different types of Image Artifacts.

**LAWRENCE MCNAIR JR.,
M.P.H., R.T. (R) (CT) (MR) (ARRT)
(MRSO) (MRSC)**

Lawrence McNair Jr is currently working as an independent consultant with New Age Innovations LLC, providing MRI, CT, and X-ray education and operations consulting. He also served as the MRSO at Birmingham Veterans Hospital. Lawrence is the author of "MRI Layman's Terms Registry Review (LJ Notes)", "MRI Layman's Terms: The Basis Concepts of MRI Physics Made Easy (LJ Notes)", "CT Layman's Terms : The Basic Concepts of CT Physics Made Easy (LJ Notes)", "Diagnostic X-Ray Layman's Terms: The Basis Concepts of Diagnostic X-Ray Physics Made Easy (LJ Notes)" and "Diagnostic X-Ray Layman's Terms Registry Review (LJ Notes)". Lawrence approach to this course is always entertaining and informative. Lawrence McNair's website is www.laymanterms.org.

COURSE OBJECTIVE

This course is designed for Individuals who have had limited or no previous experience with MR as well as those working in MR, but have had no formal education in basic MR principles. This course also serves as an in depth course for Individuals preparing to take the ARRT I.A. MR Registry Exam. The class is approved for 51.5 Hrs Category A Credit. If the participant has had no prior experience to MR, it is recommend the participant observe at an MR facility a few weeks prior to taking the course.

Sample of Topics Covered

Ethics, Types of Power Injectors, Standard Precautions, Patient and Non Patient Screening, Patient Burns, Patient Monitoring, Safety Zones, Translational and Rotational Forces, Auditory Considerations, Allergic Reactions, Extravasation