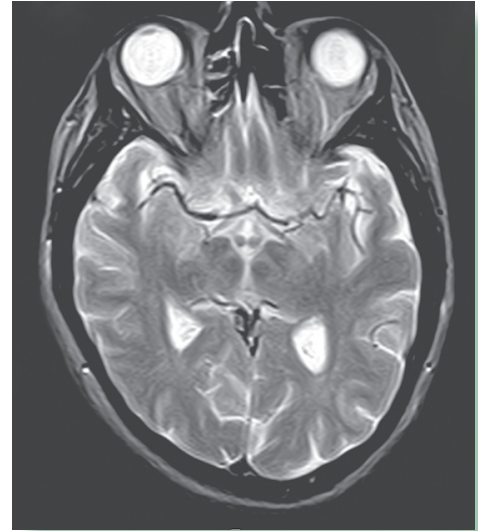


# 2012 MRI Training Course for Technologists



Milwaukee, WI  
January 16 - 27, 2012  
April 30 - May 11, 2012  
August 6-17, 2012  
October 22 - November 2, 2012

# **MTMI**

Medical Technology  
Management Institute

## Course Overview

MRI promises to continue providing new avenues of diagnostic imaging that will have a significant impact on medicine. A knowledge of MRI technology will provide a basis for growth and future opportunities for those trained in this modality. You should attend this course if you are a radiologic technologist or if you have experience in the imaging sciences with basic or no previous MR experience and are interested in learning the principles necessary to operate a MR imager. This course would also prepare you for the ARRT MRI Registry exam. It may be appropriate to attend the 2nd week of the course alone if you have recent, demonstrable experience and are seeking an intermediate level course. A working knowledge of cross-sectional anatomy is desirable for this course but is not required. Non-ARRT registered individuals interested in this course must meet certain prerequisites.

## Faculty

Paul Worthington, BS, RT(R)(MR)

Nils Anderson, RT(R)(MR)

Vera Miller, RT(R)(MR)

J. Ed Barnes, Ph.D., FACR

Yu Liu, Ph.D.

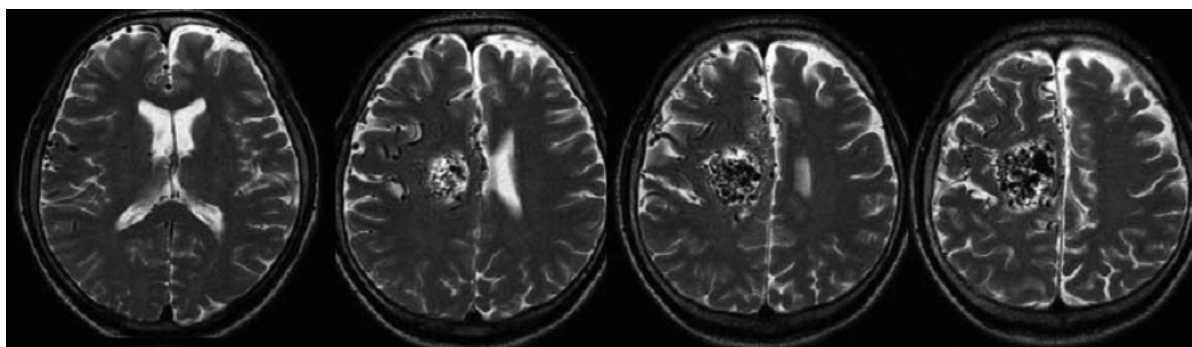
## Educational Objectives

*At the completion of this course, participants will be able to:*

- explain and review the basic principles of magnetic resonance imaging.
- utilize appropriate MR pulse sequences in clinical imaging.
- recognize and minimize MRI artifacts.
- incorporate current knowledge of biological effects and safety considerations when working in the MR environment.
- describe techniques in manipulating MR parameters to optimize image quality.
- explain proper selection and usage of MR coils to optimize image quality.

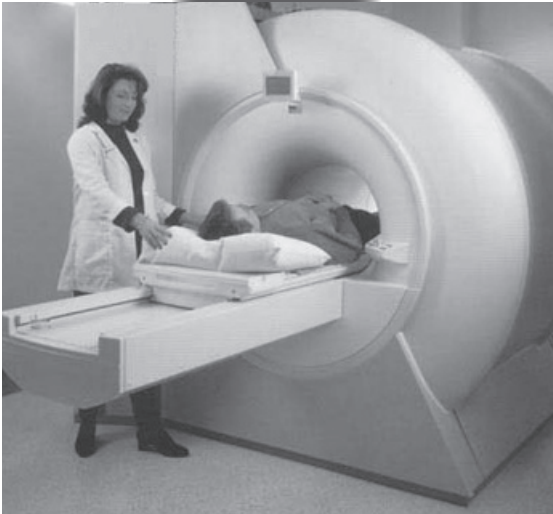
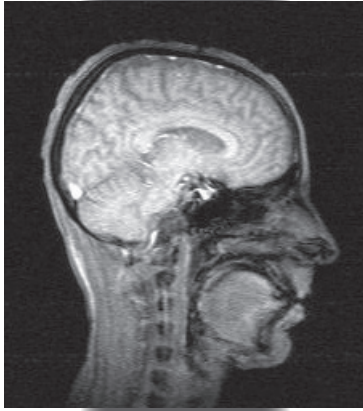
## Course Credit

This course provides 36 hours (1 week) or 72 hours (2 weeks) of category A continuing education credit for the radiologic technologists recognized by the ARRT and various licensure states. A certificate of attendance will be provided for each individual upon completion of this course. Attendees must attend the entire course to receive full credit.



## Optional Extended Clinical Training Program

MTMI has established an MRI Technologist On-site Clinical Training Program. This program is intended to follow the two (2) week formal training course for technologists offered by MTMI. Satisfactory completion of a comparable formal training course will be a prerequisite for participation. Various clinical training locations around Milwaukee, WI are arranged on an individual basis.



**Week One**

- • **Monday - 8:30 am - 5:00 pm** • • • • •
  - History of MRI
  - Scanning parameters
  - Overview of MRI
- Welcome Reception**
- • **Tuesday - 8:30 am - 5:00 pm** • • • • •
  - Review of scanning parameters
  - Coil selection
  - MRI parameters
  - Relaxation, gradients
- • **Wednesday** • • • • •
  - Clinical Observation Day
- • **Thursday - 8:30 am - 4:30 pm** • • • • •
  - Artifacts in MRI
  - Case review
  - MR anatomy
  - Introduction to MRI brain-mapping
  - MRI workshop
- • **Friday - 7:30 am - 3:30 pm** • • • • •
  - Imaging options
  - Protocol development
  - MRI concepts review
  - MRI of the musculoskeletal apparatus
  - Review
  - Progress test and evaluation

**Week Two**

- • **Monday - 8:30 am - 5:00 pm** • • • • •
  - Review k-space
  - Pulse sequences
  - Advanced pulse sequences
  - Artifacts & system malfunctions
  - Advanced imaging concepts
- • **Tuesday - 8:30 am - 5:00 pm**
  - ACR MRI QC
  - Anatomy review
  - Advanced imaging concepts
- • **Wednesday** • • • • •
  - Clinical Observation Day
- • **Thursday - 8:30 am - 4:30 pm** • • • • •
  - Special techniques
  - MR Angiography
  - Cardiac imaging
  - New MRI applications
- • **Friday - 7:30 am - 3:30 pm** • • • • •
  - Review fast scanning techniques
  - Review special imaging techniques
  - Anatomy and case review
  - Weekly review
  - Progress test and evaluation

## Registration

### To register for this course:

☞ go to [www.mtmi.net](http://www.mtmi.net) or ✉ complete the registration form below and ✉ mail it with your tuition to **MTMI**, or ☎ call **(800) 765-6864** using MasterCard or Visa, or ☎ fax the form to **(262) 717-9171** w/credit card info

A special advance price for those registering and paying prior to 21 days before the course is listed in tuition breakdown.

- Refunds, minus a \$50 processing fee, will be granted for cancellations received prior to 3 days before the course.
- Cancellations received within 3 days of the course will receive a credit toward a future MTMI program, minus the \$50 processing fee. No refunds will be made after the course.

MTMI reserves the right to cancel any scheduled program because of low advance registration or other reasons. MTMI's liability is limited to a refund of any program tuition paid. MTMI recommends that attendees use refundable airline tickets. In case of cancellation of a seminar for any reason, MTMI is not responsible for travel costs incurred by attendees including non-refundable airline tickets.

Tax Deduction: The expense of continuing education, when taken to maintain and improve professional skills, is tax deductible. Please contact your accountant for details.

## Location & Accommodations

### Course held at the MTMI Education Center

20900 Swenson Dr.,  
Suite 650  
Waukesha, WI 53186



### Sleeping rooms at the Sheraton Milwaukee Brookfield

375 South Moorland Road  
Brookfield, WI 53005  
262-364-1100 [www.sheraton.com/milwaukeebrookfield](http://www.sheraton.com/milwaukeebrookfield)  
Room Rate: \$89 single Make hotel reservations no later than 2 weeks before the course and identify yourself as an MTMI attendee.

#### Room Rate Includes:

- 15% discount for food & beverage in Alferes Restaurant
- Internet access
- Microwave & refrigerator upon request & availability
- Airport shuttle (contact front desk to make arrangements)
- Shuttle to and from MTMI Education Center
- Reception on first night of course
- Free parking

## Membership

Membership in the Medical Technology Management Institute includes:

- discounts on **MTMI** services
- member newsletter
- web access to replace certificates
- yearly transcripts
- special benefits throughout the year exclusive to members

Joining **MTMI** with this registration qualifies you for the member discount. Indicate your interest in membership on the registration form or call **MTMI**. Annual membership dues are \$39. Discount effective immediately.

Call 800-765-6864 2 weeks before the seminar if you have special needs.



## Register early and SAVE!

### MRI Course Registration Form

Please Print Clearly - This is how your name will appear on your certificate.

Name: \_\_\_\_\_ degree/title \_\_\_\_\_

Home Address \_\_\_\_\_ City \_\_\_\_\_

State: \_\_\_\_\_ Zip code: \_\_\_\_\_ e-mail \_\_\_\_\_ e-mail address used only for notification of future programs

Day phone ( ) \_\_\_\_\_ Eve. phone ( ) \_\_\_\_\_ FAX ( ) \_\_\_\_\_

Registration Fees	Early price (more than 21 days early)	Regular price (within 21 days)	Cat. A credit
MRI - 2 week	<input type="checkbox"/> \$1850 <input type="checkbox"/> \$1825 (member)	<input type="checkbox"/> \$1950 <input type="checkbox"/> \$1925 (member)	72 hrs
MRI - 1 week	<input type="checkbox"/> \$1050 <input type="checkbox"/> \$1025 (member)	<input type="checkbox"/> \$1150 <input type="checkbox"/> \$1125 (member)	36 hrs
MRI clinicals	<input type="checkbox"/> \$225 per day-\$795 per week - call for arrangements		
Membership	<input type="checkbox"/> \$39 - <i>discount applies immediately</i>		

- Jan 16 - 27, 2012  
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total \$ \_\_\_\_\_

Credit Card Number \_\_\_\_\_ Master Card Visa

Expiration Date: \_\_\_\_\_ Signature \_\_\_\_\_

Return to: **MTMI** ♦ 20900 Swenson Dr., Suite 650 ♦ Waukesha, WI 53186

800-765-MTMI(6864) or 262-717-9797 or fax 262-717-9171 or e-mail [custservice@mtmi.net](mailto:custservice@mtmi.net)

Your satisfaction with **MTMI** programs is guaranteed, a guarantee we are confident you won't need to use.