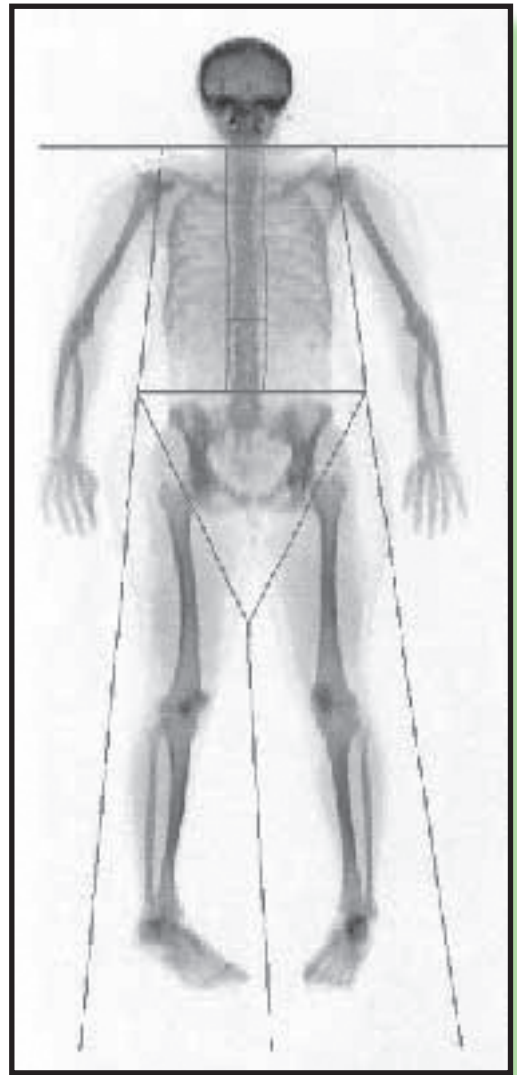


# 2012

## 2-Day Bone Densitometry Course



Atlanta, GA on March 24-25, 2012  
Hartford, CT on April 21-22, 2012  
Denver, CO on May 5-6, 2012  
Kansas City, MO on June 23-24, 2012

# **MTMI**

Medical Technology  
Management Institute

*Making Technology Work for You!*

## About this course:

This 2-day course is a comprehensive review of the role of bone densitometry in the diagnosis and treatment of osteoporosis. The course will cover the technology, clinical applications, interpretation of results, clinical procedures, handling of problem cases, safety, quality assurance and the establishment and operation of a bone densitometry service. A hands-on workshop demonstration of clinical bone densitometry units is included in the curriculum.

## Who Should Attend

This course is appropriate for anyone wanting to learn about bone densitometry including technologists, physicians, managers and allied health personnel. It would also be useful for individuals from companies offering products related to bone densitometry. The course will be useful to those setting-up, managing or operating a bone densitometry service as well as those preparing to take a certification exam, such as offered by the ISCD or ARRT.

## Instructor

**Michelle Heater, RT(R)(M)(BD), CBDT** is certified in Bone Densitometry by both the ISCD and the ARRT and has worked in BD for the past 11 years. She was an item writer for the ARRT Bone Densitometry Certification Exam and a member of the expert panel that reviewed the exam. Michelle has extensive clinical experience in bone densitometry having worked with both GE Lunar and Hologic units. She has participated in several community outreach programs aimed at educating the public and healthcare professionals about bone health. Michelle is also the Northeast Regional Representative for Technologists for the ISCD. Her friendly teaching style and extensive knowledge of bone densitometry will make this a very enjoyable educational experience.

## Objectives

*At the completion of this course, participants will:*

- ◆ Be able to describe the pathology & physiology of osteoporosis.
- ◆ Know the risks factors involved in the development of osteoporosis.
- ◆ Describe the difference between pencil and fan beam technologies.
- ◆ Understand T & Z scores and their significance in the diagnosis of osteoporosis.
- ◆ Understand the principles of photon absorptiometry.

## Continuing Education Credit

This course provides 16 hours 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.

## Other Cross-Training Opportunities include:

Initial Training in Mammography  
Breast Ultrasound Training Course  
Hands-on Musculoskeletal Ultrasound  
PACS Administrator Training Course

Hands on Stereotactic Breast Biopsy Training  
CT Training Course for Technologists  
MRI Training Course for Technologists  
Healthcare Leadership Training Course

Medical Dosimetrist Courses, I & II

go to [www.mtmi.net](http://www.mtmi.net) for course descriptions

## Schedule

### Day One - 8:30 am - 4:30 pm (lunch on your own)

#### **Osteoporosis and Bone Health**

- Definition and Types
- Bone Physiology
- Risk Factors
- Bone Mass Measurement Act
- Evaluation and Diagnosis
- Prevention and Treatment

#### **Equipment Operation**

- Dual Photon Energies
- DXA Components
- Pencil Beams vs. Fan Beam
- Scan Analysis Algorithms
- Factors Affecting Accuracy & Precision

#### **Patient Preparation and Safety**

- Patient Preparation
- Radiation Safety

### Day Two - 8:30 am - 4:30 pm (lunch on your own)

#### **DXA Scanning of Lumbar Spine**

- Anatomy Related to Scanning
- Scan Acquisition
- Lumbar Spine Analysis and Printout
- Problems Related to Positioning, ROI
- Placement and Analysis

#### **DXA Scanning of Proximal Femur**

- Anatomy Related to Scanning
- Scan Acquisition
- Scan Analysis and Printout
- Problems Related to Positioning, ROI
- Placement and Analysis

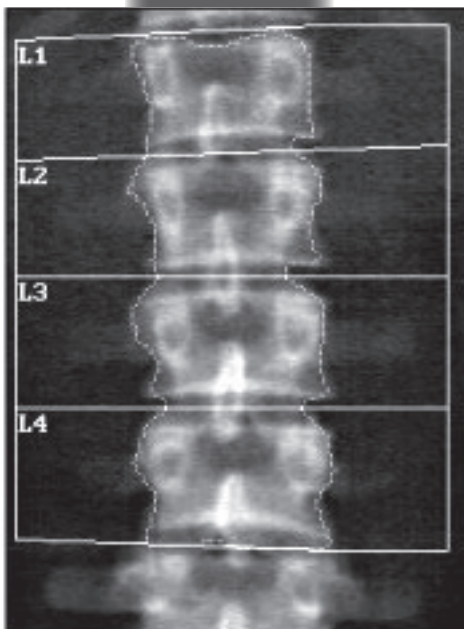
#### **DXA Scanning of Forearm**

- Anatomy Related to Scanning
- Scan Acquisition
- Scan Analysis and Printout
- Problems Related to Positioning, ROI
- Placement and Analysis

#### **Quality Control**

- Equipment QC and Maintenance
- Maintenance, Repair and Upgrade
- Basic Computer Concepts

*Agenda subject to change.*



## 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

Specific location and accommodation information will be listed on our website as soon as arrangements have been made.

Please go to:  
[www.mtmi.net](http://www.mtmi.net)  
or call  
800-765-6864

## Membership

Membership in the Medical Technology Management Institute includes:

- discounts on **MTMI** services
- web access to **MTMI** records
- transcripts
- special benefits throughout the year exclusive to members

Joining **MTMI** with this registration qualifies you for the member price. Check the membership box  on the registration form or call **MTMI**. Annual membership dues for technologists are \$39. Seminar discount effective immediately.

Registration Form - *2-Day Bone Densitometry Course* - *city/date:* \_\_\_\_\_

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

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

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

City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_

e-mail \_\_\_\_\_

Course registration confirmation will be sent to this e-mail address

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

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

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

Total:

\$ \_\_\_\_\_

### Please enclose payment to **MTMI**:

- \$39 Yes! Enroll me in an Annual **MTMI** membership (discount effective immediately)

Regular price:  \$495 (**MTMI** members \$475) - within 21 days of course

Advance price:  \$425 (**MTMI** members \$395) - more then 21 days before course



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

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.