

# Bone Densitometry: A Registry Review

One Day Seminar

Philadelphia, PA  
Denver, CO  
Boston, MA

Feb 14, 09  
May 16, 09  
Jul 18, 09

# **MTMI**

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Medical Technology  
Management Institute

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## Who Should Attend

- technologists preparing for the ARRT Bone Densitometry Certification exam
- technologists preparing for the ISCD exam to be certified in DXA
- any healthcare or imaging professional interested in bone densitometry

## Why Attend

Osteoporosis is a major health problem that affects 44 million people in the US. Recent medical breakthroughs have created hope and healing to those who are diagnosed early. Facilities are recognizing the importance of early diagnosis due to adequate examinations by DXA equipment and imagers. This seminar will help you obtain a sound foundation of knowledge in densitometry imaging and give you a better understanding of the appropriate use and interpretation of this technology. It will also prove to be valuable instruction for those preparing for the ARRT or ISCD Bone Densitometry Certification Examinations.

## Objectives

*At the completion of this seminar the attendee will:*

- ♦ Have begun their preparation to take the ARRT Bone Densitometry Certification Exam or the ISCD examination.
- ♦ Understand key concepts in densitometry scanning.
- ♦ Identify conditions, complications and causes of osteoporosis and bone health.
- ♦ Apply proper positioning.
- ♦ Maintain accurate and consistent analysis of images and ROI placement.
- ♦ Identify related anatomy of areas scanned.
- ♦ Explain the differences between pencil and fan beam techniques.

## the Instructor

**Michelle Heater, RT(R)(M)(BD), CDT**

## Continuing Education Credit






This program provides 8 hours of Category A continuing education credit recognized by the ARRT for radiologic technologists, and credit from various licensure states. A certificate of attendance will be provided for each individual upon completion of the seminar. All attendees must attend the entire seminar to receive full credit.

## Seminar Schedule

8:00 am	<b>Registration and Coffee</b>
8:30 am	<b>History of Bone Densitometry</b>
	<b>Osteoporosis and Bone Health</b>
	Definition & types of osteoporosis
	Bone physiology
	Risk factor
	BMMA (Bone Mass Measurement Act)
	Diagnosis and evaluation
10:10 am	<b>Informal Discussion and Break</b>
10:20 am	<b>Equipment Operation</b>
	Basic computer concepts
	<b>Quality Control</b>
	Equipment QC
	Pencil beam
	Fan beam
	Components of DXA
11:10 am	<b>Patient Preparation and Safety</b>
	Basic principles of radiation safety
	Radiation doses in densitometry
	Preparation for patients
12:00 pm	<b>Lunch (on your own)</b>
1:00 pm	<b>DXA Scanning of the Lumbar Spine, Proximal Femur and Forearm</b>
	Anatomy
	Scan acquisition
	Scan analysis
	Dilemmas related to positioning
	RIO placement and analysis
2:40 pm	<b>Informal Discussion and Break</b>
2:50 pm	<b>Tips of the Trade</b>
	<b>Mock Registry</b>
	Exam content
	Preparation resources
	<b>Mock exam</b>
4:30 pm	<b>Adjourn</b>

## Registration

### To register for this seminar:

-  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

- Refunds, minus a \$30 processing fee, will be granted for cancellations received prior to the Tuesday before the seminar.
- Cancellations received after the Tuesday preceding the seminar will receive a credit toward a future **MTMI** seminar, minus the \$30 processing fee. No refunds will be made after the seminar.

### Registration Discounts:

Group discounts - must register at the same time:

- 3-5 attendees receive a 5% discount on each registration
- 6+ attendees receive a 10% discount on each registration

The discount is not applicable if the tuition is paid by purchase order. For student rates, contact **MTMI**. Members of **MTMI** receive a 10% discount. Only one discount may be applied except for Institutional Members.

**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.

Registration Form **Bone Densitometry: A Registry Review** date/city: \_\_\_\_\_

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

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

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

State: \_\_\_\_\_ Zip code: \_\_\_\_\_ \*e-mail \_\_\_\_\_

\* confirmation of registration will be sent to this e-mail address

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

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

- \$42.50 Yes! Enroll me in an Annual **MTMI** membership (discount effective immediately)

Regular price:  \$189 (**MTMI** members \$171) - within 14 days of seminar

Advance price:  \$179 (**MTMI** members \$161) - 14 days before seminar

At-the-door price:  \$199 (**MTMI** members \$179)

Group discount:  3-5 attendees (5%) (**must register together**)

- 6 or more attendees (10%) (**must register together**)

Total:  
\$ \_\_\_\_\_



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.

## Membership

Membership in the Medical Technology Management Institute includes:

- discounts on **MTMI** services
- member newsletter
- web access to **MTMI** records
- yearly 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 \$42.50. Seminar discount effective immediately.

## Location & Accommodations

**Specific location and accommodation information will be listed on our web-site as soon as arrangements have been made.**

**Please go to:**

**[www.mtmi.net](http://www.mtmi.net)**

**or call 1-800-765-6864**

**for more detailed information**

Contact the hotel directly to make reservations and identify yourself as attending the **MTMI** seminar.

# MTMI

Medical Technology  
Management Institute

20900 Swenson Dr., Suite 650  
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## Bone Densitometry: A Registry Review

Instructor:  
Michelle Heater,  
RT(R)(M)(BD), CDT

“Bone Densitometry: A Registry Review” provides:

- ♦ A good introduction to Bone Densitometry.
- ♦ A great review for those preparing to take subspecialty exams.
- ♦ Valuable practical information for technologists.
- ♦ 8 hours of continuing education credits for technologists.

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- DR/CR Training Course for Technologists
- Medical Dosimetrist Course
- Advanced Medical Dosimetry
- Bone Densitometry Training Course

