



Musculoskeletal Imaging in the Digital World

Instructor:
Russell L. Cain,
MA, MS, CRA, RT(R)(CT)

San Diego, CA - January 21, 2012
Madison, WI - February 25, 2012
Washington, DC - March 10, 2012
Edmonton, AB - April 21, 2012
Minneapolis, MN - May 5, 2012
Phoenix, AZ - September 29, 2012
Burlington, ON - October 27, 2012
San Francisco, CA - November 10, 2012

MTMI

Medical Technology
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About this Seminar

Today's radiology personnel must continue to educate themselves to best utilize the advancing technology of digital radiography, while maintaining proper positioning and technique to provide the best possible diagnostic image with the lowest patient dose. This seminar is designed to update your musculoskeletal radiography skills and improve your understanding of digital radiography. Anatomy, function and pathology of each major musculoskeletal system will be discussed. Proper patient positioning and dose optimization will also be discussed, as well as, common artifacts that you will find while utilizing digital radiography. Radiologic technologists, students and educators will find this an enjoyable and useful presentation.

Educational Objectives

*Upon completion of this seminar
you will be able to:*

- Discuss the anatomy and function of upper and lower extremities.
- Discuss the dynamics of injury to the upper and lower extremities.
- Apply routine and atypical positioning of all areas of the anatomy of the lower and upper extremity modified for Computed Radiography or Direct Digital Radiography systems.
- Provide a simple explanation of how a Computed Radiography image is obtained/optimized.
- Provide a simple explanation of how a Direct Digital Radiography image is obtained/optimized.
- Briefly and simply, discuss the technology of Computed Radiography and Direct Digital Radiography.
- Discuss the application of the above techniques for improving quality of imaging studies while minimizing radiation exposure of the patient (Optimizing Dose).
- Identify some of the more common artifacts associated with digital radiography.

Who Should Attend

- Technologists
- Students
- Educators
- Vendor Personnel

Russell L. Cain, MA, MS, CRA, RT(R) (CT)

Russ Cain is an active radiologic technologist who is currently the Director of Radiology at Antelope Valley Hospital in Lancaster, California. Russ is one of the initial group of Certified Radiology Administrators, certified by the American Healthcare Radiology Administrators. He is an educator who holds multiple graduate degrees and has taught psychology and management in undergraduate and graduate programs. Russ is a scuba instructor and is pursuing a doctoral degree in clinical psychology and Business Administration. This diverse background facilitates an uncommon insight into the issues of taking radiology into the electronic age, an insight he will share with the attendees of this seminar.

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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	<i>Registration and Coffee</i>
8:30 am	Introduction
8:40 am	Anatomy, Function, Pathology and Digital Radiography of the Upper Extremity
10:15 am	<i>Informal Discussion and Break</i>
10:30 am	Anatomy, Function, Pathology and Digital Radiography of the Upper Extremity (continued)
11:15 am	Anatomy, Function, Pathology and Digital Radiography of the Pelvis, Hip, Proximal Femur
12:00 pm	<i>Lunch (on your own)</i>
1:00 pm	Anatomy, Function, Pathology and Digital Radiography of the Knee
1:20 pm	Anatomy, Function, Pathology and Digital Radiography of the Ankle, Foot
2:30 pm	<i>Informal Discussion and Break</i>
2:40 pm	Review of Digital Radiography Theory and Dose Optimization and DR Updates
4:30 pm	<i>Adjourn</i>

Registration

To register for this seminar:

-  go to 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:

- 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.

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.

Membership in the Medical Technology Management Institute includes:

- discounts on **MTMI** services
- web access to **MTMI** records
- special benefits throughout the year exclusive to members
- Check the membership box on the registration form or call **MTMI** at 800-765-6864.
- Seminar discount effective immediately.
- Annual membership dues for technologists are \$39.

Location and 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
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Registration Form *Musculoskeletal Imaging in the Digital World* 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 _____

* registration confirmation will be sent to this e-mail address - **print clearly**

Day phone () _____ Eve. phone () _____ FAX () _____

Credit Card Number _____ Master Card Visa Check

Expiration Date _____ Signature _____

Please enclose payment by credit card or check made payable to MTMI:

Registration Fees	Seminars in USA	*Seminars in Canada
more than 14 days before	<input type="checkbox"/> \$179 <input type="checkbox"/> \$161 (member price)	<input type="checkbox"/> \$219 <input type="checkbox"/> \$199 (member price)
within 14 days of seminar	<input type="checkbox"/> \$189 <input type="checkbox"/> \$171 (member price)	<input type="checkbox"/> \$239 <input type="checkbox"/> \$219 (member price)
at-the-door	<input type="checkbox"/> \$199 <input type="checkbox"/> \$179 (member price)	<input type="checkbox"/> \$239 <input type="checkbox"/> \$219 (member price)
MTMI Membership	<input type="checkbox"/> \$39 (discount effective now)	* Canadian fees in CAD

Total:
\$ _____



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

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