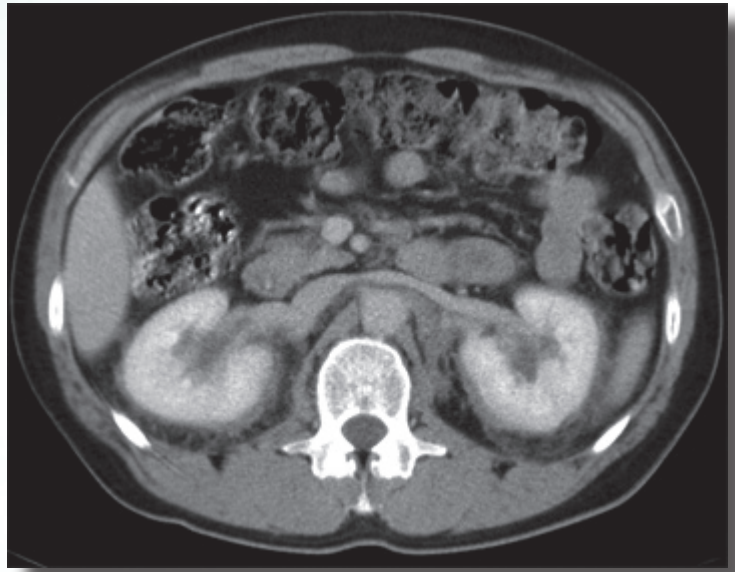


**A Review
of CT
Imaging**



Instructor:

Christine Eckenrod RT(R)(CT)(MR)

Boston, MA - June 19, 2011

Cincinnati, OH - October 2, 2011

Saddlebrook, NJ - November 20, 2011

MTMI

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Who Should Attend:

- Radiologic Technologists
- CT Technologists
- Radiation Therapists
- Those preparing for the ARRT CT exam

OBJECTIVES:

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

- Restate the process of CT image acquisition and display.
- Apply CT imaging parameters to image quality.
- Examine prospective and retrospective imaging.
- Summarize binary data.
- Identify quality control requirements.
- List ACR accreditation standards.
- Assemble a list of relevant formulas.
- Relate safe administration of contrast media with routes of administration.
- Integrate lab values of contrast media reactions and the appropriate treatments.
- Describe the anatomy, basic protocols, and imaging technique for the spine, extremities, head, neck, chest, abdomen and pelvis.
- Review the content outline of the ARRT CT certification exam.

Continuing Education Credit

An application for 8 hours of Category A continuing education credit for radiologic technologists recognized by the ARRT has been filed. A certificate of attendance will be provided for each individual upon completion of each seminar.



Instructor:
Christine Eckenrod RT(R)(CT)(MR)

Christine started her medical imaging career when she graduated from the Altoona Hospital School of Radiologic Technology in 1986. In 1993, she specialized as a CT technologist followed by MRI in 2004. She is currently employed as a CT/MR technologist with Alliance Imaging, INC. She has extensive experience in CT training and protocol development. Christine presents a lighthearted, easy to understand review of all of the basics of CT Scanning while reviewing the content specifications for the ARRT CT registry. You will be sure to enjoy the presentation while learning or refreshing your knowledge in the field of CT Imaging.

8:00 am

Registration and Coffee

8:30 am

CT Equipment and Instrumentation

- Components of a CT system
- Vendor specific terminology
- Generations/platforms
- Parameter definitions and choices

9:20 am

Image Creation and Manipulation

- From attenuation to back projection
- ROI and other measurements
- Prospective and retrospective data
 - know the difference
- Retro-recon and reformat
 - know the difference

10:10 am

Informal Discussion and Break

10:20 am

Use of Contrast Materials in CT Imaging

- Indications for use of contrast - oral & IV
- Contraindications of contrast - oral & IV
- Allergic reactions - types and treatments
- Protocols for contrast

11:10 am

CT Imaging of the Spine

- Imaging when trauma suspected
- MRI vs. CT
 - When is CT the modality of choice?
- Routine spine imaging
- Myelograms and discograms
- Reconstructing spine from another dataset
- Normal and pathological images

12:00 pm

Lunch (on your own)

1:00 pm

CT Imaging of Extremities

- MRI vs. CT
 - When is CT the modality of choice?
- Evaluation of fractures
- 3D and multi-planar capabilities
- Normal and pathological images

2:20 pm

CT Imaging of the Head and Neck

- Clinical indications and procedures
- When and why contrast may be indicated
- Routine imaging procedures
- Being creative - tips and tricks
- Normal and pathological images

2:40 pm

Informal Discussion and Break

2:50 pm

CT Imaging of the Body

- Clinical indications and procedures for CT chest, abdomen, pelvis
- Making the most of breath holds and contrast phases
- Routine imaging procedures
- Normal pathological images

4:00 pm






Question and Answer Session

4:30 pm

Adjourn

Registration

To register for this seminar:

-  go to www.mtmi.net or
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- 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.

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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 _____ MasterCard Visa Check

Expiration Date _____ Signature _____

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6 or more attendees (10%)

Total:
\$ _____



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