2019

CT Training Course

5 Day Course
37.25 Category A Credits

In the Classroom:
Sep 9-13 - Milwaukee, WI
Nov 11-15 - Milwaukee, WI

Online Webinar:
Sep 9-13
Nov 11-15

- 94% Board Pass Rate -

Student Testimonials:

- *This course is quite beneficial! I realized where I need to spend time studying in order to sit for the boards. Having printouts of the presenters' slides was extremely helpful.*
- *Your course was excellent. It was very professional and informative. I definitely feel more confident and prepared for the registry exam.*

MTMI Medical Technology Management Institute
A Continuing Education Division of CHCP

Schedule

Monday, 8:30 am - 4:30 pm

- Patient Care ~ communication, patient assessment, exam preparation, consent, monitoring and assessment
- Contrast Agents ~ lab values, ACR recommendations, oral and IV contrast methods, allergies and treatments
- Basic Principles, Operational and Components ~ tube (kVp and mAs), generator, detectors, collimation, DAS, computers, array processor
- Image Processing - An Introduction ~ reconstruction, MPR/MIP/minIP/VR, post processing
- Image Display - An Introduction ~ pixel, voxel, matrix, FOV, HU, WW, WL, imaging planes and coordinates, measurement tools

Tuesday, 8:30 am - 4:30 pm

- Informatics ~ PACS/DICOM, newtworking/archiving
- Image Quality - An Introduction ~ spatial/contrast/temporal resolution, noise, QC/QA linearity and uniformity
- Basic CT Anatomy ~ cross sectional terminology, head, spine, chest, abdomen, pelvis

Wednesday, 8:30 am - 4:30 pm

- The Physics of CT Scanning ~ creating and processing the CT image, display and archive, window-width/level, gantry requirements, radiation safety and dose

Thursday, 8:30 am - 4:30 pm

- Managing CT Patient Dose ~ radiation and the energy of imaging, understanding radiation exposures, measuring and report CT dose, CTDI, DLP, dose creep, ACR, ICRP, Image Gently, Image Wisely, pediatric considerations, technologist
- Image Quality ~ contrast/spatial/temporal, noise, linearity, uniformity
- CT of the Head ~ basic anatomy review, profile of a stroke, types of strokes and their appearance, brain CT scanning protocols, sinus anatomy and pathology on CT, facial bone trauma, COW - angiography
- Soft Tissue Neck and Spines ~ cervical, thoracic and lumbar spine CT
- Thoracic, Abdomen and Pelvis CT ~ common applications for CT evaluations of routine chest w/o & w/contrast, abdomen and pelvic -appendix, liver, pancreas, abdominal aorta, renal system, scanning protocols and timing parameters

Friday, 7:30 am - 3:00 pm

- Advanced Imaging Studies ~ cardiac CT, special procedures, biopsy/drainage, Myelography/Arthrography
- Therapy Planning
- PET CT ~ perfusion brain, ARRT examination
- Review content specifications as outlined by the ARRT

~ Schedule subject to change

About this Course:

The technology of medical imaging has undergone a tremendous change since the Nobel prize-winning development of computed tomography. Becoming knowledgeable about high technology imaging is essential for the radiologic technologist to grow with the field.

This course will provide technologists with the opportunity to learn this technology and become part of the evolution toward computerized imaging. This is an opportunity to improve your technical knowledge and prepare for the ARRT CT Registry Examination. If you are looking to enhance your job opportunities or provide yourself with a more satisfying work experience, then this course is for you.

This course is appropriate for technologists wishing to enter the field of CT scanning with no previous experience, as well as technologists who have worked in CT without extensive formal training. This course is also appropriate for technologists working with hybrid imaging systems that include CT such as PET/CT or SPECT/CT. A working background in cross-sectional anatomy is desirable, but is not required.

Course Credit:

activity approved by ASRT

This program provides 37.25 hours of Category A continuing education credit for radiologic technologists approved by ASRT and recognized by the ARRT and various licensure states. Category A credit is also recognized by CAMRT's Continuing Education Credit Approval Program for CE credit in Canada. You must attend the entire program to receive your certificate of completion.

This 37.25 credit activity provides the 16 hours of structured education related to the content specifications outlined by the ARRT, required for certification and registration.

2019 CT Training Course

Print Name: _____
This is how your name will appear on your certificate.

Home address: _____

City: _____ State: _____ Zip: _____

Day phone: (_____) _____ Evening phone: (_____) _____

Email: _____
(confirmation email will be sent to this address)

Check one: ❒ Personal Check or ❒ Master Card, ❒ Visa, ❒ AMEX, ❒ Discover

cc#: _____

Exp. date: _____ 3 dig code: _____

	price	*early price	member price	*early member price
Tuition	$1145	$1045	$1120	$1020
MTMI membership	$39 (discount effective immediately)			
Date attending:		❒ in Milwaukee	❒ Webinar	
* Qualifying 'Early' registrations must be made at least 21 days in advance for the program.				
~ Cancellation fees apply - see website for details ~				

MTMI
Medical Technology Management Institute

PLEASE ENCLOSE PAYMENT TO:
MTMI
W140 N8917 Lilly Road
Menomonee Falls, WI 53051
register online at **www.mtmi.net**
or call 262-717-9797 or 800-765-6864 or fax this form to 414-238-2740

Total:
$

CT2019_2