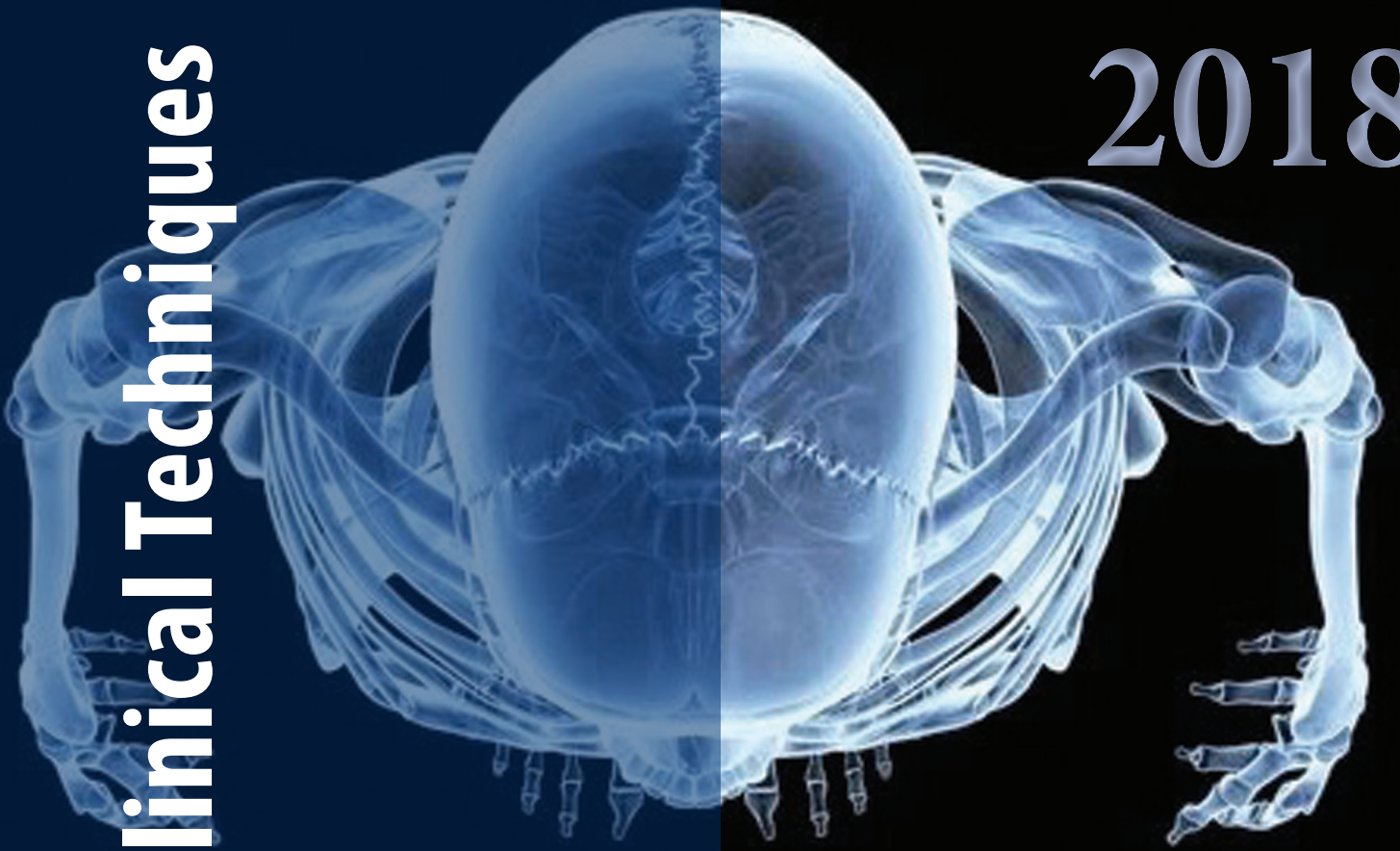


Trauma Radiography - Clinical Techniques

2018



8 Category A Credits

Instructor:

Randy Griswold, MPA, RT(R)

Webinar dates:

January 27

March 24

May 19

August 11

October 6

December 8

MTMI Medical Technology
Management Institute

This program is designed for:

- Radiologic Technologists
- Medical Imaging Specialists
- Educators
- Vendor Personnel

dates and times listed on webpage

Course Credit:

This program provides 8 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.

Schedule Thinking Like a Radiologist?

- Changing role of technologist
- Why things show up on radiographs (not what you think!)
- Five (5) basic radiographic densities
- Image contrast using radiographic densities
- Clinical examples of radiographic densities
- Principles of image interpretation
- Measures of optimal image resolution in digital world
- Veil glare
- Trauma positioning principles
- Role of beam angulation and divergence
- Nature of trauma
- Mach effect /boundary effect
- Expectation of radiologists
- Positioning pointers and tricks

Trauma Considerations

- Trauma equipment designs
- Positioning considerations
- Double angles
- Trauma positioning attitudes and rules
- Digital receptors and trauma cases
- Grid challenges
- Role of distance

Chest Analysis in Trauma Situation

- Concept of Silhouette Sign
- Features of a normal chest image series
- Role of interpretive stripes and lines on images
- Chest consolidations in trauma
- Positioning considerations in trauma including image interpretation
- Pneumothorax (causes and types)
- Flail chest and rib fractures
- Chest analysis strategies
- Significance of cardiac silhouette
- Hemothorax
- Pericardial tamponades

Image Analysis in Trauma Setting and Radiologist Expectations

- Chest trauma analysis including bony thorax
- Abdomino-pelvic injuries
- Hip and pelvic fractures
- "Precious Blood Supply" bones
- Bone assessment and 12 factors of bone analysis
- Role of periosteum diagnostically
- Importance of multiple views in fx assessment
- Role of soft tissues and fat in image analysis
- Injuries to the spine
- Positioning considerations
- Upper and lower extremity
- Fracture assessment

Trauma Positioning for Body Parts with Clinical Image Expectations

- Interpretive considerations:
 - Spine
 - Pelvis
 - Shoulder girdle
 - Upper and lower extremities
 - Bony thorax
- Abdomen imaging and acute abdominal pain
- Role of CT, US, MR and radiography for suspected abdominal pathologies

Exposure Index (EI) and Deviation Index (DI)

- EI and target EI (EIT) relationship
- Deviation index as a professional standard
- Exposure data errors simulating image pathology
- Suggestions to correct for gross overexposure
- Importance of bolus materials and creative beam limitation



About the Program

Recognition of the pathological processes present in your images is key to ensuring a successful imaging exam for trauma radiography. This seminar will introduce the methods and techniques to overcome non-routine challenges in diagnostic radiology. A major focus will be the inter-relationship of the various imaging modalities and how they clinically complement each other with imaging trauma patients. Select radiographic positions will be discussed as to clinical expectations in order to maximize diagnostic yield in an ALARA fashion and to give the participant a radiologist's perspective as to the challenges in image interpretation. The speaker will be utilizing a case-based approach in the delivery of these concepts.

Trauma Radiology - Clinical Techniques

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)

Date attending: _____

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

cc#: _____

Exp. date: _____ 3 dig code: _____

Course Fees ----	price	*early price	member price	*early member price
Technologist	<input type="checkbox"/> \$199	<input type="checkbox"/> \$189	<input type="checkbox"/> \$179	<input type="checkbox"/> \$170
MTMI membership	<input type="checkbox"/> \$39 (discount effective immediately)			
* Qualifying 'Early' registrations must be made at least 14 days in advance for the program.				
~ cancellation fees apply - see website or call ~				

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:

\$ _____