

CT ADVANCED

Sat 24 & Sun 25
February 2018

Hazmiyeh,
LEBANON

Approved by the ASRT,
American Society of Radiologic Technologists,
as category A Continuing Education Credit (16 CE)

GENERAL OVERVIEW



Topics Covered

- Mastering image quality and related post processing of images
- Minimizing patient dose
- Appreciation of recent technological advances and imaging options



Registration Details

For info about registration please send an e-mail to :
cme@medical-professionals.com
Or call: **+961 1 974 800 ext.209** or **+961 3 10 46 13**

Date: Saturday 24 & Sunday 25 February, 2018

Location: Lancaster Tamar Hotel - Hazmiyeh, Lebanon



Target Audience

- Technologist
- Radiology Resident
- Radiologist



Course Deliverables

- Certificate of Completion
- 3 months free e-learning access
- Lunch + 2 coffee breaks

www.medical-professionals.com

CALL NOW **+961 3 10 46 13**

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PROGRAM DAY 1 - DAY 2

DAY 1

09:00 | 10:30 **Acquisition:**

- Main technical factors
- Acquisition modes
- Pitch
- Acquisition speed
- Image contrast

10:30 | 10:45 **Break**

10:45 | 12:30 **Image processing:**

- Hounsfield units
- Image quality and resolutions
- Artifacts

12:30 | 13:30 **Lunch**

13:30 | 14:30 **Image processing:**

- Post processing
- Protocol visualization

14:30 | 14:45 **Break**

14:45 | 16:00 **Contrast:**

- Contrast Media dynamics
- Vascular enhancement
- Patient support

16:00 | 17:30 **Contrast:**

- Extravasation and side effects of the CM
- Patients questions and patient care

Quiz (10 minutes)

DAY 2

09:00 | 10:30 **Image reconstruction:**

- Principles of the IR method
- Filtered back projection FBP

10:30 | 10:45 **Break**

10:45 | 12:30 **Image reconstruction:**

- Iterative reconstruction
- In practice

12:30 | 13:30 **Lunch**

13:30 | 14:30 **Dual energy:**

- Principle
- Clinical application and advantages

14:30 | 14:45 **Break**

14:45 | 16:00 **Dual energy:**

- Dual Energy and dosimetry
- Clinical Examples

16:00 | 17:30 **Pathologies:**

- Brain
- Chest
- Abdominal
- Pelvis
- Bone
- Vascular

Quiz (10 minutes)

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