



**MEDICAL
PROFESSIONALS**

Refining Radiology

*Your Reference for Radiology
& Education Services*

MRI ADVANCED

Sat 17 & Sun 18
February 2018

Hazmiyeh,
LEBANON



Approved by the ASRT,
American Society of Radiologic
Technologists, as category A Continuing
Education Credit (16.25 CE)

GENERAL OVERVIEW



Topics Covered

- Adapt the system to his needs through a mastering of sequences
- Acquire the knowledge to master imaging techniques
- Identify MR artifacts and improve image quality



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 17 & Sunday 18 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

CALL NOW +961 3 10 46 13

BEIRUT, Lebanon
2nd flr, Markazia bldg, Downtown
P.O.Box 11/397 Beirut, Lebanon
T +961 1 974 800/801/802 ext.209
F +961 1 975 800

PARIS, France
17, Quai de Grenelle,
75015 Paris, France
T +33 1 40 58 14 28
F +33 1 40 58 14 60

TUNIS, Tunisia
4, rue 7036, 2nd flr, El Menzah 4, 1004
Tunis-Tunisia
VISA : 11/1569/17
M +216 22 544 434 | M +216 26 555 138

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PROGRAM DAY 1 - DAY 2

DAY 1

09:00 | 10:30 **Introduction and Materials:**

- RF Shielding, types and isolation of the room
- Technical room
- Coils

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

10:45 | 12:30 **Gradients:**

- What is a gradient?
- Gradients basics
- Gradient types
- Spatial discrimination methods
- Gradient characteristics

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

13:30 | 14:30 **K Space:**

- What is the K SPACE?
- Fourier transform
- Spatial encoding

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

14:45 | 16:00

K Space:

- K space properties
- Filling Modes

16:00 | 17:30

K Space:

How to accelerate the acquisition?

Quiz (10 minutes)

DAY 2

09:00 | 10:30

Artifacts:

Most common artifacts

10:30 | 10:45

Break

10:45 | 12:30

Sequences:

SE Sequences

12:30 | 13:30

Lunch

13:30 | 14:30

Sequences:

- GE Sequences
- Inversion recovery
- Derived sequences

14:30 | 14:45

Break

14:45 | 16:00

FAT SAT Techniques:

- General principle
- Techniques
- Spectral Fat saturation
- IR/STIR

16:00 | 17:30

FAT SAT Techniques:

- SPAIR
- Selective excitation of water
- 2 and 3 point techniques (DIXON)

Quiz (10 minutes)

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