

**CLINICAL ULTRASONOGRAPHY
BASIC COURSE**

Anwar El-Mofty Hall

Internal Medicine Department, Kasr Al-Aini Hospital
Cairo – Egypt

February 26 - March 1, 2009

Cairo University School of Medicine

in collaboration with

The German National Society of
Ultrasonography in Medicine
(DEGUM)

conducted by

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UNDER THE AUSPICES OF

European Federation of Societies of Ultrasonography in Medicine and Biology (EFSUMB)

Represented by:

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Sono-Anatomy: The Groundwork

- 08.30 – 09.00** Words of welcome and introduction
M. Naga, L. Greiner
- 09.00 – 09.20** Clinical ultrasonography in today`s Egypt
R. Amer
- 09.20 – 09.40** First look into the abdomen - live demo
O. H. Gilja
- 09.40 – 10.00** First look into thorax, axilla, and neck - live demo
D. Nürnberg
- 10.00 – 11.00** 1st hands on training - focus on sectional anatomy,
up and down, left and right
Faculty
- 11.00 – 11.15** Break
- 11.15 – 11.35** The 6 + n steps in abdominal examination - be Systematic
L. Greiner
- 11.35 – 12.00** Abdominal vessels - the landmarks
D. Nürnberg
- 12.00 – 13.00** 2nd hands on training - focus on vessels
Faculty
- 13.00 – 14.00** Lunch break with lecturing: The role of clinical ultrasonography
H. Okasha, Faculty
- 14.00 – 15.00** 3rd hands on training - focus on dynamic criteria
Faculty
- 15.00 – 15.20** Pancreas - normal anatomy
H. Okasha
- 15.20 – 15.40** Liver - normal anatomy
A. Fathy
- 15.40 – 16.00** Dynamic criteria in realtime ultrasound
L. Greiner
- 16.00 – 17.15** 4th hands on training - focus on pancreas and liver
Faculty
- 17.15 – 17.30** Test, conclusion of day no 1
N. Elnahas, D. Nürnberg

DAY 2, FRIDAY, FEBRUARY 27, 2009

Putting Theory into Practice 1

- 08.30 – 08.45** **Good morning, Today`s aims**
R. Amer
- 08.45 – 09.00** **Review of yesterday, day one**
D. Nürnberg
- 09.00 – 09.20** **Comments from the audience**
Audience
- 09.20 – 09.40** **Second look into the abdomen - live demo**
O. H. Gilja
- 09.40 – 10.00** **Knobology - how to operate the machine?**
N. El-Garem
- 10.00 – 11.00** **5th hands on training - focus on 6 + n steps**
Faculty
- 11.00 – 11.15** **Break**
- 11.15 – 11.35** **Six steps abdominal examination - revisited**
All
- 11.35 – 12.00** **Kidneys and urinary tract - a must**
D. Nürnberg
- 12.00 – 13.00** **6th hands on training – focus on kidneys**
Faculty
- 13.00 – 14.00** **Lunch break lecturing: How does my machine function?**
D. El Gendi, Faculty
- 14.00 – 15.00** **7th hands on training as individual testing of participants:
organ by organ**
Faculty
- 15.00 – 15.20** **Spleen and other lymphnodes - normal anatomy**
M. Amin
- 15.20 – 15.40** **Intestine - normal anatomy**
D. Nürnberg
- 15.40 – 16.00** **Clinical ultrasonography plus endoscopy – you have two eyes!**
L. Greiner
- 16.00 – 17.00** **8th hands on training – focus on spleen and lymphnodes**
Faculty
- 17.00 – 17.30** **Test, conclusion of day no 2**
N. El-Garem, O. H. Gilja

DAY 3, SATURDAY, FEBRUARY 28, 2009

Putting Theory into Practice II

- 08.30 – 08.45** Good morning and Summary of days one and two
N. Elnahas, L. Greiner
- 08.45 – 09.10** Comments from the audience
Audience
- 09.10 – 09.30** GI-pathology - basical considerations
O. H. Gilja
- 09.30 – 10.00** Individual testing by movie case interpretations
L. Greiner
- 10.00 – 11.00** 9th hands on training – focus: intestinosonography
Faculty
- 11.00 – 11.15** Break
- 11.15 – 11.35** Biliary tract anatomy and pathology - basics
L. Greiner
- 11.35 – 12.00** Perfusional problems in abdominal organs
D. Nürnberg
- 12.00 – 13.00** 10th hands on training - focus: bile ducts and gallbladder
Faculty
- 13.00 – 14.00** Lunch break with lecturing: movie case reports
M. Higazy, L. Greiner
- 14.00 – 15.00** 11th hands on training – Facilitated abdominal ultrasonography
by: patient positioning,probe pressing,use of respiration and
other dynamics
Faculty
- 15.00 – 15.20** Pancreas – frequent pathology
O. H. Gilja
- 15.20 – 15.40** Liver – diffuse changes
D. Nürnberg
- 15.40 – 16.00** Liver - focal lesions
R. Amer
- 16.00 – 17.00** 12th hands on training – focus:
searching focal lesions in liver and pancreas
Faculty
- 17.00 – 17.30** Test, conclusion of day no 3
N. Elnahas, L. Greiner

DAY 4, SUNDAY, MARCH 1, 2009

- 10.00 – 10.20** Gallbladder – frequent pathology
A. Abdel-Maksoud
- 10.20 – 10.40** Lymphnodes and spleen – frequent pathology
D. Nürnberg
- 10.40 – 11.00** Free abdomen – frequent pathology
O. H. Gilja
- 11.00 – 12.00** Concluding test of participants; Certificates
Faculty, M. Naga

Note: Program might be subjected to minor changes.

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The DEGUM basic course in clinical ultrasonography is the first course out of three. The second is arranged for advanced participants, and the third as a completion course. Certification of these courses by DEGUM means a number of preconditions to be fulfilled.

The main regulations comprise in short the following: the courses must be performed on four (completion course - three) consecutive days with a minimum of 30 hours of lecturing and practice, this being at a ratio of 50:50 (completion course - 70:30). The number of students per working place and advisor (MD experienced in clinical ultrasonography) must not exceed 6-8. The course director(s) must be certified course leaders by DEGUM, undergoing repeated train the trainers seminars at a minimum every second year.