



***Bedside Ultrasound
in the ICU Seminar***

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1 ½ day course

Day 1 - evening

16:30-17:00: Welcome and refreshments

A-) Ultrasonography: Basic principles

17:00-17:15: Introduction – The FOCUS exam.

17:15-18:15:

- Technical aspects and 2-D imaging
- Doppler echo

18:15-18:30: Break

B-) « Goal-directed » echocardiography

18:30-20:00 : Anatomy, views, orientation - part I

- Probe positioning, spatial orientation, ...
- Parasternal long-axis and short-axis views

20:00-21:30: Practical session #1

- > Familiarisation
- > Parasternal long-axis and short-axis views

21:30: End of session.

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Day 2 – Full day

AM

7:15-7:30: Breakfast

7:30-8:30: Anatomy, views, orientation - part II
→ Apical 4-chamber and sub-costal views

8:30-9:30 : Practical session # 2
> Apical 4-chamber and sub-costal views

9:30-9:45: Break

9:45-10:45: At the « heart » of the matter : Part I
→ Left ventricular function
→ Right ventricular function
→ Pulmonary emboli

10:45-11:15: At the « heart » of the matter : Part II
→ Pericardial effusion / tamponade
→ Volume status assessment

11:15-12:00: Practical session # 3
> Cardiology cases

12:00-12 :45 : Lunch

PM

C-) Peripheral ultrasonography

12:45-13:45 : Vessel assessment (central and peripheral vessels)

13:45-15:00 : Practical session # 4: > Assessment of central and peripheral vessels
> Echo-guided line insertion (on simulators)

15:00-15:15 : Break

15:15-15:40 : Pleural space assessment

15:40-16:15 : Abdominal space assessment (free fluid, aorta and urinary bladder)

16:15 -17:00 : Practical session # 5
> Pleural and abdominal spaces
> Abdominal aorta and urinary bladder

17:00: Conclusion of the program.