



## ***Basic Course in Vascular Ultrasound***

19–21. January 2011

Rigshospitalet, University of Copenhagen, Denmark

### **Course convenor:**

Jonas Eiberg, MD, PH.D. University of Copenhagen, Rigshospitalet, Denmark

### **Course directors:**

Henrik Sillesen, MD, DMSc. University of Copenhagen, Rigshospitalet, Denmark.

Torben Schroeder, MD, DMSc. University of Copenhagen, Rigshospitalet, Denmark.

Leif Panduro Jensen, MD. University of Copenhagen, Rigshospitalet, Denmark.

### **Faculty:**

Torben Lorentzen, MD, PH.D. Herlev Hospital, Denmark.

Niels Bækgaard, MD, University of Copenhagen, Gentofte Hospital, Denmark.

Charlotte Strandberg, MD, University of Copenhagen, Gentofte Hospital, Denmark.

### **Venue:**

Department of Vascular Surgery 3111, Rigshospitalet

Blegdamsvej 9, 2100 Copenhagen, Denmark.

### **Dates:**

Wednesday, 19. January 2011 (12:00) to Friday 21. January 2011 (15:00 app.)

### **Objective:**

Vascular ultrasound is a rapidly developing modality in vascular surgery. The objective with this course is to make the participants able to perform some of the most *basic vascular ultrasound* examinations: duplex ultrasound of peripheral bypass's, abdominal aorta, iliac and femoral arteries and varicose veins. Other more *advanced vascular ultrasound* examinations will be covered more *superficially* in order to make the participants acquainted with the examinations: duplex ultrasound of the carotid artery and deep venous thromboses.

Participants will have an opportunity to practice their skills under supervision during the course.

This course corresponds to the theoretical part of EFSUMB Level 1 in Vascular Ultrasound (European Federation of Societies for Ultrasound in Medicine and Biology).

### **Participants' qualifications:**

The course is designed for vascular surgeons, vascular surgeons in training and vascular nurses and technologist. No prior ultrasound experience is required but basic knowledge to vascular anatomy and physiology is expected.

### **Registrations fee:**

€ 725 for ESVS members, € 825 for non-members. The fee includes course material and lunch.

Transport, accommodation and additional meals are not included.

### **Registration:**

ESVS Office, Linda Nielsen

Frydendalsvej 3, 1st floor, 1809 Frederiksberg, Denmark

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Hours	Wednesday 19 January	Thursday 20 January	Friday 21 January
0845 - 0900		Coffee	Coffee
0900 - 0945		<b>Ultrasound and Doppler physics 1</b> Torben Lorentzen, Jonas Eiberg)	<b>Varicose veins</b> Niels Bækgaard
0945 - 1000		Pause	Pause
1000 - 1045		<b>Ultrasound and Doppler physics 2</b> Torben Lorentzen, Jonas Eiberg)	<b>Deep venous thrombosis (iliac-femoral segment)</b> Charlotte Strandberg
1045 - 1100		Pause	Pause
1100 - 1145		<b>Aorta and Iliac arteries</b> Jonas Eiberg	<b>Hands-on 3.1</b> <u>On patients</u>
1145 - 1200		Pause	Pause
1200 - 1245	<b>Registration and welcome.</b> Jonas Eiberg, Leif Panduro Sandwich and coffee	<b>Femoral arteries and bypasses</b> Jonas Eiberg	<b>Hands-on 3.2</b> <u>On patients</u>
1300 - 1345	<b>Vascular physiology and haemodynamics</b> Torben Schroeder	Lunch	Lunch
1345 - 1400	Pause		
1400 - 1445	<b>The clinical application of basic vascular ultrasound.</b> Henrik Sillesen	<b>Hands-on 2.1</b> <u>On patients</u>	<b>Multiple choice test</b> <b>Miscellaneous:</b> - Minimum training requirements - Quality control - Choice of equipment - Intro. to advanced vascular ultrasound <b>Result of test</b> <b>Evaluation</b>
1445 - 1500	Pause	Pause	
1500 - 1545	<b>Hands-on 1.1</b> <u>On course participants</u> (Buttons, knobs, transducers, programs, clinical applications, hemodynamic measurements etc.)	<b>Hands-on 2.2</b> <u>On patients</u>	
1545 - 1600	Pause	Pause	
1600 - 1630	<b>Hands-on 1.2</b> <u>On course participants</u>	<b>Hands-on 2.3</b> <u>On patients</u>	