

**Basic Course in Vascular Ultrasound**

**31. January – 2. February 2024**

Department of Vascular Surgery, Rigshospitalet, Denmark

Copenhagen Academy for Medical Education and Simulation, University of Copenhagen, Denmark

Hours	Wednesday 31 January	Thursday 1 February	Friday 2. February
08:45 - 09:00		Coffee	Coffee
09:00 - 09:45		<b>Ultrasound Physics</b> in detail: From sound to B-mode image, colour duplex, spectral analysis and waveforms	<b>Varicose veins</b>
			J Støvring
10:00 - 10:45			<b>Deep venous thrombosis</b> incl. patient demo. and vein quiz
		Rogers S	R Broholm
10:45 - 11:00		Coffee	Coffee
11:00 - 11:30		Basic <b>carotid ultrasound</b> incl. patient demo.	Ultrasound guided puncture and closure, round-up quiz.
		L Urbak	C martinez
11:30 - 12:00		Lunch	Lunch
12:00 - 13:00	Registration, sandwich, welcome.	<b>AAA</b> screening and surveillance	<b>Hands-on</b> varicose veins, deep venous thrombosis, puncture and closure. (5 min/station).
	12:15 - 13:00	K Bredahl	
	<b>Introduction</b> , historic perspective, and clinical value of ultrasound	<b>Lower limb arterial</b>	
	J Eiberg	Q Ghulam	
	Short 5 min. Break		
13:00 - 13:45	<b>Getting started</b> Buttons and ultrasound physics at a glance	<b>Hands-on</b> carotid, AAA, PAD patients (5 min/participant)	
	K Bredahl	Q Ghulam	
13:45	Coffee	Coffee	
14:00 - 14:45	<b>Tutor demonstration</b> (10 min) followed by <b>hands-on</b> (10 min/participant) on medical students	<b>Hands-on</b> carotid, AAA, PAD patients (5 min/participant)	<b>Miscellaneous</b> Minimum training, quality control, equipment, online evaluation, advanced course.
			K Bredahl, Q Ghulam
			Goodbye
15:00 - 15:50	<b>Tutor demonstration</b> (10 min) followed by <b>hands-on</b> (10 min/participant) on medical students	<b>Hands-on</b> carotid, AAA, PAD (5 min/participant).	
	Coffee		
16:00 - 16:45	<b>Hands-on</b> continued (5 min/participant)		
18:30	Course dinner		