

21. 06		22. 06	
08:45	<b>Opening</b>	<b>WG - Update on activities and developments</b>	
09:00	<b>Basic level - Extracranial theory</b>		
09:15	Ultrasound knobology and patient positioning		
09:30	Examination of carotid and vertebral arteries		
09:45	Atherosclerosis assessment with ultrasound		
10:00	Waveform interpretation		
10:15	How to write a report?		
10:30	Break	Break	
11:00	<b>Basic level - Extracranial practical</b>	<b>Basic level - Practicals rehearsals</b>	<b>CoN Meeting</b>
	Station A: Ultrasound knobology	Station A: Ultrasound knobology	
	Station B: Examination of carotid arteries	Station B: Examination of carotid arteries	
	Station C: Examination of carotid arteries	Station C: Examination of carotid arteries	
	Station D: Examination of vertebral arteries	Station D: Examination of vertebral arteries	
	Station E: Examination of vertebral arteries	Station E: Examination of vertebral arteries	
	Station F: Estimating the degree of stenosis	Station F: TCD examination	
	Station G: Description of atherosclerotic changes	Station G: TCCS examination	
	Station I: Reporting carotid and vertebral duplex findings	Station I: Writing a comprehensive neurosonological report	
13:00	Lunch	Lunch	
14:00			
15:00	<b>Basic level- Vascular intracranial theory</b>	<b>Intermediate level - Neuromuscular theory</b>	
15:15	TCD knobology and patient positioning	Muscle and nerve sonography - Basic principles	
15:30	TCD examination protocol	Muscle ultrasound	
15:45	TCCS knobology	Peripheral nerve ultrasound	
16:00	TCCS examination protocol	Ultrasound or EMG?	
16:15	Estimating the degree of intracranial stenosis	Application of botulinum toxin using ultrasound	
16:30	<b>Basic level- Vascular intracranial practical</b>	<b>Intermediate level - Neuromuscular practical</b>	
16:45	Station A: TCD knobology	Station A: Peripheral nerves of the upper limb and hand	
17:00	Station B: TCCS knobology	Station B: Peripheral nerves of the upper limb and hand	
17:15	Station C: TCD examination of circle of Willis	Station C: Ultrasound of neck muscles	
17:30	Station D: TCCS examination of circle of Willis	Station D: Ultrasound of neck muscles	
17:45	Station E: TCD examination of vertebrobasilar system	Station E: Ultrasound assessment of polyneuropathy	
18:00	Station F: TCCS examination of vertebrobasilar system	Station F: Ultrasound assessment of polyneuropathy	
18:15	Station G: Examination of ophthalmic artery hemodynamics	Station G: Nerve ultrasound scanning protocol	
19:30	Station I: Reporting TCD and TCCS examinations	Station I: Application of botulinum toxin using ultrasound	
19:30	Dinner	Dinner	

23. 06		24. 06	
08:45	<b>Intermediate level - Ultrasound in different clinical scenarios</b>	<b>Expert level - Ultrasound in different clinical scenarios</b>	
09:00	Comprehensive assessment of extracranial artery dissections	Intracranial pressure assessed with different ultrasound modalities	
09:15	Comprehensive assessment of large vessel arteritis	Vasospasm assessment with ultrasound	
09:30	High risk atherosclerotic plaque	Deep venous thrombosis and stroke	
09:45	Cryptogenic stroke	Acute central retinal artery occlusion	
10:00	Patient selection and monitoring of surgical procedures	Ultrasound in movement disorders	
10:15	Vascular ultrasound and sickle cell disease	Focused echocardiography for neurosonologists	
10:30	Break	Break	
11:00	<b>Intermediate level - Practicals</b>	<b>Certification theoretical</b>	<b>Expert level - Practicals</b>
	Station A: MES detection		Station A: Focused echocardiography
	Station B: Right to left shunt detection		Station B: Focused echocardiography
	Station C: Non-atherosclerotic diseases		Station C: Practical use of handheld ultrasound systems
	Station D: Temporal artery ultrasound		Station D: Basal ganglia ultrasound
	Station E: Examination of subclavian and axillary arteries		Station E: Basal ganglia ultrasound
	Station F: Breath holding index		Station F: Ultrasound examination of lower extremity veins
	Station G: Functional TCD		Station G: Ultrasound examination of lower extremity veins
	Station I: Evaluation of collateral circulation		Station I: How to speed up your examination?
13:00	Lunch	Lunch	
14:00	ESNCH General Assembly	Meet the expert	<b>Expert level - Theoretical, tips &amp; tricks</b>
15:00	<b>Advanced level - Theoretical</b>	<b>Certification practical</b>	
15:15	Ultrasound guided vascular access		Remote control of ultrasound systems
15:30	Transorbital ultrasound		Ultrasound fusion imaging
15:45	Acute stroke monitoring with ultrasound		TCD or TCCD?
16:00	The concept of NeuroPOCUS		US contrast media applications
16:15	Ultrasound examination of intracranial veins		The future of neurosonology
16:30	<b>Advanced level - Practicals</b>	<b>Certification practical</b>	<b>Closing</b>
16:45	Station A: Optic nerve sheath diameter		
17:00	Station B: Optic nerve sheath diameter		
17:15	Station C: TCCS for intracranial veins		
17:30	Station D: TCCS for intracranial veins		
17:45	Station E: NeuroPOCUS		
18:00	Station F: NeuroPOCUS		
18:15	Station G: Ultrasound guided lumbar puncture		
18:30	Station I: Robotic TCD		
19:30	Dinner		