




Schweizerische Gesellschaft für klinische Neurophysiologie  
Société Suisse de Neurophysiologie Clinique  
Società Svizzera di Neurofisiologia Clinica

## Academy of the Swiss Society of Clinical Neurophysiology 14<sup>th</sup> Annual Course – 2024

Course of Neurosonology and Joint Meeting with Swiss Society for  
Ultrasound in Medicine, Vascular Section   
April 19-20, 2024  
(2 x 8 Credits SGKN/SNG requested)

### Organization:

Prof Dr. med. Susanne Wegener, Zurich / PD. Dr. med. Henrik Gensicke, Basel

### Location:

Auditorium Maurice E. Müller, Operationstrakt Ost, Inselspital Bern

Friday	April 19	
08:45	Welcome and introduction	<i>S. Wegener, Zurich H. Gensicke, Basel</i>
	<b>Principles of Neurosonography Chair: S. Wegener</b>	
09:00	Physical principles and technical aspects of vascular sonography	<i>C. Canova, Chur</i>
09:45	Principles and challenges of neurosonography	<i>P. Lyrer, Basel</i>
10:30	Break	
	<b>Non atherosclerotic disease: Chair: S. Wegener</b>	
10:45	Dissections of extra- and intracranial arteries	<i>S. Engelter, Basel</i>
11:30	Large vessel vasculitis of the supra-aortal arteries	<i>M. Arnold, Bern</i>
<b>12:30</b>	Lunch	
	<b>Steno-occlusive disease I: Chair: H. Gensicke</b>	
13:45	Sonographic assessment of plaque burden and morphology	<i>D. Staub, Basel</i>
14:30	Atherosclerosis: Grading of Stenosis of extracranial Arteries	<i>F. Perren, Lausanne</i>
15:30	Break	
	<b>Steno-occlusive disease II: Chair: H. Gensicke</b>	
15:45	CT- and MR-Angiography: Methods and pitfalls for grading of stenosis and plaques imaging	<i>R. Wiest, Bern</i>
16:30	Treatment of extra-and intracranial stenosis	<i>H. Gensicke, Basel</i>

<b>Saturday</b>	<b>April 20</b>	
	<b>Principles of Transcranial Doppler-/Duplex-sonography: Chair: S. Wegener</b>	
09:00	Examination of intracranial vessels	<i>B. Wagner, Basel</i>
09:45	Hyperperfusion vs. vasospasms / stenosis	<i>C. Inauen, Zurich</i>
10:30	Break	
10:45	Emboli detection and cerebrovascular reserve capacity	<i>S. Wegener, Zurich</i>
11:30	Subclavian steal syndrome	<i>C. Thalhammer, Aarau</i>
<b>12:30</b>	Lunch	
	<b>Group A (Chair: H. Gensicke)</b>	<b>Group B (Chair: S. Wegener)</b>
13:45	Case problem presentation extracranial ( <i>C. Thalhammer, Aarau</i> )	<b>Hands On</b> ( <i>Wegener, Inauen, Wagner, Heldner, Antonenko</i> )
14:30	Case problem presentation transcranial ( <i>Ch. Tränka, Basel</i> )	
15:15	Break	
	<b>Group A (Chair: S. Wegener)</b>	<b>Group B (Chair: H. Gensicke)</b>
15:30	<b>Hands On</b> ( <i>Wegener, Inauen, Wagner, Heldner, Antonenko</i> )	Case problem presentation extracranial ( <i>C. Thalhammer, Aarau</i> )
16:15		Case problem presentation transcranial ( <i>Ch. Tränka, Basel</i> )
	<b>All participants (groups A and B)</b>	
17:15	Debriefing	<i>S. Wegener, Zurich</i> <i>H. Gensicke, Basel</i>