




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

Academy of the Swiss Society of Clinical Neurophysiology 15th Annual Course – 2025

Course of Neurosonology and Joint Meeting with Swiss Society for
Ultrasound in Medicine, Vascular Section 
April 11-12, 2025
(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 11 | |
|--------------|--|--|
| 08:45 | Welcome and introduction | <i>S. Wegener, Zurich H. Gensicke, Basel</i> |
| | Principles of Neurosonography Chair: S. Wegener | |
| 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 | |
| | Non atherosclerotic disease: Chair: S. Wegener | |
| 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> |
| 12:30 | Lunch | |
| | Steno-occlusive disease I: Chair: H. Gensicke | |
| 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 | |
| | Steno-occlusive disease II: Chair: H. Gensicke | |
| 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> |

| Saturday | April 12 | |
|-----------------|---|---|
| | Principles of Transcranial Doppler-/Duplex-sonography: Chair: S. Wegener | |
| 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> |
| 12:30 | Lunch | |
| | Group A (Chair: H. Gensicke) | Group B (Chair: S. Wegener) |
| 13:45 | Case problem presentation extracranial (<i>C. Thalhammer, Aarau</i>) | Hands On (<i>Wegener, Heldner, Inauen, Wagner, Antonenko</i>) |
| 14:30 | Case problem presentation transcranial (<i>C. Tränka, Basel</i>) | |
| 15:15 | Break | |
| | Group A (Chair: S. Wegener) | Group B (Chair: H. Gensicke) |
| 15:30 | Hands On (<i>Wegener, Heldner, Inauen, Wagner, Antonenko</i>) | Case problem presentation extracranial (<i>C. Thalhammer, Aarau</i>) |
| 16:15 | | Case problem presentation transcranial (<i>C. Tränka, Basel</i>) |
| | All participants (groups A and B) | |
| 17:15 | Debriefing | <i>S. Wegener, Zurich</i> <i>H. Gensicke, Basel</i> |