



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

Academy of the Swiss Society of Clinical Neurophysiology 10th annual course – 2020

Course of Neurosonology, October 23-24, 2020

Joint meeting with Swiss Society for Ultrasound in Medicine, Vascular Section 

Location: Inselspital Berne, Hörsaal Friedbühl, Friedbühlstrasse 15, Eingang 145

(2 x 8 CME-Credits SNG)

Organization: PD Dr. G. Kägi, St.Gallen, Prof. P. Lyrer, Basel

Friday 23rd of October:

08:45 - 09:00 **Welcome and introduction** *Lyrer, Basel*

Principles of Neurosonology: Chair: Lyrer

09:00 - 09:30 Physical principles of Doppler sonography and color-coded duplex sonography

Canova

09:30 - 10:15 Examination of Extracranial cerebral arteries (*Lyrer*)

10:15 - 10:45 Pause

Risk stratification of steno-occlusive disease I: Chair: Lyrer

10:45 - 11:30 Atherosclerosis Grading of Stenosis of extracranial Arteries (*Perren*)

11:30 – 12:15 Plaque Morphology and vascularisation (*Staub*)

12.15 - 14:00 Lunch

Chair: Lyrer

14:00 - 14:45 Dissections of Extra-and intracranial arteries (*Engelter*)

14:45 - 15:30 Large vessel vasculitis of the supraaortal arteries (*Arnold*)

15.30-16.00 Pause

Risk stratification of steno-occlusive disease II: Chair: Lyrer

16.00 – 16.45 Emboli detection and Cerebrovascular Reserve Capacity (*Sztajzel*)

16.45 - 17:30 MR Plaque imaging (*Wiest*)

Saturday, 24th of October

Principles of Transcranial Doppler-/Duplexsonography: Chair: Kägi

- All participants (groups A and B)**
09:00 – 09:30 Examination of intracranial vessels (*Mono*)
- 09:30 – 10:00 Hyperperfusion vs Vasospasms / Stenosis (*Vehoff*)
- 10:30 – 11:15 **Group A (Chair: Kägi)** Case problem presentation extracranial (*Bieri*) **Group B Hands On** (bis 12:15) (*Prange, Vehoff, Mono, Lyrer*)
- 11:15 – 12:00 Case problem presentation transcranial (*Kägi*)
- 12:15 – 14:00 **Lunch**
- All participants (groups A and B): Chair: Lyrer**
14:00 – 14:45 Treatment and postoperative findings of extra-and intracranial stenosis (*Gensicke*)
- 14:45 – 15:30 Subclavian Steal Syndrome (*Thalhammer*)
- 15:45 – 16:30 **Group A Hands On (bis 17:30)** (*Prange, Vehoff, Gensicke, Lyrer*) **Group B: Chair: Kägi** Case problem presentation extracranial (*Bieri*)
- 16:30 – 17:15 Case problem presentation transcranial (*Kägi*)
- All participants (groups A and B)**
17:30 – 18:00 Debriefing (*Lyrer, Kägi*)