



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

Academy of the Swiss Society of Clinical Neurophysiology 12th Annual Course – 2022

Course of Neurosonology and Joint Meeting with Swiss Society for Ultrasound in Medicine, Vascular Section

May 13-14, 2022
(2 x 8 Credits SNG/SGKN)

Organization:

PD Dr. med. Georg Kägi, St. Gallen / Prof. Dr. med. Philippe Lyrer, Basel

Location:

Inselspital Bern, Hörsaal Dermatologie

| Friday | May 13 | |
|--------|---|----------------------------|
| 08:45 | Welcome and introduction | <i>P. Lyrer, Basel</i> |
| | Principles of Neurosonology: Chair: P. Lyrer | |
| 09:00 | Physical principles of Doppler sonography and color-coded duplex sonography | <i>C. Canova, Chur</i> |
| 09:30 | Standard Ultrasound Exam of supraaortal arteries | <i>P. Lyrer, Basel</i> |
| 09:45 | <i>Supraortal Artery duplex in times of Stroke Unit</i> | <i>S. Thilemann, Basel</i> |
| 10:15 | Break | |
| | Chair G. Kägi : | |
| 10:45 | Large vessel vasculitis of the supraaortal arteries | <i>M. Arnold, Bern</i> |
| 11:30 | Dissections of Extra-and intracranial arteries | <i>S. Engelter, Basel</i> |
| 12:15 | Lunch | |
| | Risk stratification of steno-occlusive disease I : Chair : P. Lyrer | |
| 13:30 | Plaque Morphology and vascularisation | <i>D. Staub, Basel</i> |
| 14:15 | Atherosclerosis: Grading of Stenosis of extracranial Arteries | <i>F. Perren, Genève</i> |
| 15:00 | Break | |
| | Risk stratification of steno-occlusive disease II : Chair : P. Lyrer | |
| 15:30 | Emboli detection and Cerebrovascular Reserve Capacity | <i>R. Sztajzel, Meyrin</i> |
| 16:15 | MR Plaque imaging | <i>R. Wiest, Bern</i> |
| 17:00 | end | |

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| Saturday | May 14 | | |
| | Principles of Transcranial Doppler-/Duplex-sonography: Chair: G. Kägi | | |
| | All participants (groups A and B) | | |
| 09:00 | Examination of intracranial vessels | | <i>M.L. Mono, Zürich</i> |
| 09:30 | Hyperperfusion vs Vasospasms / Stenosis | | <i>J. Vehoff, St. Gallen</i> |
| | Group A (Chair: G. Kägi) | Group B | |
| 10:30 | Case problem presentation extracranial | Hands on (Heldner, Vehoff, Mono, Lyrer) | |
| 11:15 | Case problem intracranial (Kägi) | Hands on (Heldner, Vehoff, Mono, Lyrer) | |
| 12:15 | Lunch | | |
| | All participants (groups A and B) Chair : P. Lyrer | | |
| 14:00 | Treatment and postoperative findings of extra-and intracranial stenosis | | <i>H. Gensicke, Basel</i> |
| 14:45 | Subclavian Steal Syndrome | | <i>Ch. Thalhammer, Aarau</i> |
| | Group A | Group B | |
| 15:45 | Hands on (Thalhammer, Vehoff, Gensicke, Lyrer) | Case problem presentation extracranial | |
| 16:30 | Hands on (Thalhammer, Vehoff, Gensicke, Lyrer) | Case problem presentation intracranial (G. Kägi) | |
| 17:30 | All participants (groups A and B) Debriefing | | <i>P. Lyrer, Basel, G. Kägi, St. Gallen</i> |