

International Advanced Neurophysiology Course

Muskelzentrum/ALS Clinic



Kantonsspital
St.Gallen

Thursday, 10th to
Saturday, 12th April 2025

Kantonsspital St. Gallen
House 33, Room 126



Dear colleagues

After several inspiring courses in the last years, we are happy to re-announce again our 3-day training course in April 2025.

Electromyography and nerve conduction studies are an essential part of the neurologist's every day practice. While most are familiar with the basics of neurophysiologic testing and the interpretation of results, more sophisticated methods are rarely used in clinical routine. The goal of this course is to equip you with the knowledge about these sophisticated neurophysiological techniques and to improve your skills, performance and sensitivity in the diagnostic work-up of neuromuscular disorders.

It is a great pleasure that Professor Erik Stålberg (Uppsala, Sweden) and Professor Björn Falck (Turku, Finland) will be teaching again at this International Advanced Neurophysiology Course in St.Gallen, where they will share their enormous expertise on EMG and nerve conduction studies with us. Our aim is to continue the famous original EMG course from Uppsala. The course features are a broad spectrum from principles in neurophysiology to the application of more specific techniques like Single Fibre EMG using concentric needle electrodes. Quantitative EMG, motor number estimation techniques (MUNIX), non-standard neurographies and the diagnostic approach in specific neuromuscular disorders are some further topics. Several «hands-on»-sessions will help you to put theory directly into practice.

The target audience are neurologists who already have broad experience in routine neurophysiological techniques.

We are looking forward to welcoming you.



PD Dr. Christoph Neuwirth



Prof Dr. Markus Weber

Thursday, 10th April 2025

- 09:00 – 09:30** **Coffee and get-together**
- 09:30 – 09:45** **Introduction and presentation**
Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 09:45 – 10:15** **The motor unit, anatomy and physiology and practical aspects of EDX recordings**
Erik Stålberg
- 10:15 – 10:45** **Needle EMG technique of selected muscles and uncommon spontaneous activity**
Björn Falck
- 10:45 – 11:15** **Coffee**
- 11:15 – 12:00** **Quantitative EMG incl. DEMO**
Erik Stålberg, Christoph Neuwirth
- 12:00 – 13:15** **Lunch**
- 13:15 – 14:15** **Basic EMG – signs of de and re-innervation**
Erik Stålberg, Markus Weber
- 14:15 – 14:45** **EMG in myopathies**
Erik Stålberg
- 14:45 – 15:15** **Coffee**
- 15:15 – 16:00** **Integration of NCS and EMG**
Erik Stålberg
- 16:00 – 17:15** **EMG hands on**
Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber

Friday, 11th April 2025

- 08:00 – 08:30** **EMG QUIZ**
Erik Stålberg
- 08:30 – 09:30** **Neurography, principles and late responses incl. F- and A-waves**
Erik Stålberg
- 09:30 – 10:00** **Coffee**
- 10:00 – 11:00** **Neurophysiological diagnosis of polyneuropathies**
Björn Falck
- 11:00 – 12:00** **Motorneuron and neuronopathies**
Björn Falck/Markus Weber
- 12:00 – 13:15** **Lunch**
- 13:15 – 14:00** **Techniques for Motor Unit Number Estimation, MUNIX & DEMO**
Erik Stålberg/Christoph Neuwirth
- 14:00 – 15:00** **Focal peripheral neuropathies**
Björn Falck
- 15:00 – 15:30** **Coffee**
- 15:30 – 16:30** **Plexus brachialis lesions and Parsonage Turner syndrom**
Björn Falck, Christoph Neuwirth
- 16:30 – 17:00** **Questions and answers**
Participants, Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 17:00 – 18:00** **Neurography hands-on**
Participants, Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 19:30** **Gala Dinner at Candela Restaurant**
all incl. Sponsors

Saturday 12th April 2025

- 08:00 – 08:45** **Special neurography techniques**
Björn Falck/Christoph Neuwirth
- 08:45 – 09:15** **Neurography DEMO**
Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 09:15 – 10:00** **Repetitive nerve stimulation (RNS) incl. DEMO M. anconeus**
Christoph Neuwirth
- 10:00 – 10:30** **Coffee**
- 10:30 – 12:00** **Neurography hands-on**
Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 12:00 – 13:15** **Lunch**
- 13:15 – 13:45** **Hunting for signs of demyelination**
Christoph Neuwirth
- 13:45 – 14:00** **Treatment effects of IVIG in CIDP and variants**
Christoph Neuwirth
- 14:00 – 14:45** **Single fibre EMG and CNE jitter incl. Demo**
Erik Stålberg
- 14:45 – 15:15** **Hands on CNE jitter**
Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 15:15 – 15:45** **Coffee**
- 15:45 – 16:30** **Repetition on hands-on on selected techniques**
Erik Stålberg, Björn Falck, Christoph Neuwirth, Markus Weber
- 16:30 – 16:45** **Closing remarks feedback from participants and sponsors**
all



together
innovative
competent

Registration & fee

CHF 900.- course fee,
to be paid in advance
(completely pre-booked, waiting list
available: jasmin.bischofberger@kssg.ch)

Location

Muskelzentrum/ALS clinic
House 33, Room 126, first floor
Greithstrasse 20
CH-9007 St.Gallen



Organisation

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www.kssg.ch/muskelzentrum

Directions

By car

Approach from Zurich:

- Highway A1, Exit 82 St.Gallen–St.Fiden
- turn right at the signal
- turn right again at the next signal to the «Lindenstrasse»
- 30 meters further on the left you find the entrance, «Haus 33»
- a parking ramp «Böschenmühle» is further down following the «Lindenstrasse»

Approach from St.Margrethen:

- Highway A1, Exit 82 St.Gallen–St.Fiden
- after the tunnel turn left to the «Steinachstrasse»
- after a few meters turn left to the «Lindenstrasse»
- after 400 meters you find the entrance, «Haus 33»
- a parking ramp «Böschenmühle» is further down following the «Lindenstrasse»

By train

Every 30 minutes from Zurich and Zurich airport, Main Railway Station (about 1 hour trip time). Take the bus from St.Gallen, Main Railway Station (No. 1, 4, 7). Bus stop «St.Fiden». Follow the «Greithstrasse» (see map)

Credits

24 CME Credits (SNG, SGKN)
for whole 3 days

We like to thank the following sponsors:



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