Nordic Conference of Clinical Neurophysiology 2027

14 April 2027 at Uppsala University Hospital			
Pre-meeting and workshops			
	Room 1	*Room 2*	*Room 3*
09:00-12:00	ST utbildningsdag: Neuromuscular ultrasound Eman Tawfik	Utbildningsutskottet	
13:00-16:00	Workshop: Ultrasound Eman Tawfik	Workshop: EEG - coregistrering of EMG *To be announced*	Workshop: SFEMG Anna Rostedt Punga Ali Habib
17:30	**Welcome Reception at Uppsala University Main Building**		

15 April 2027 at Uppsala University Main Building		
	Auditorium	**Lecture Hall X**
09:00-10:00	**Registration**	
10:00-12:00	**Opening and Plenary session 1** Computational, AI-based tools in the EEG and neuromonitoring (session lead prof S. Vanhatalo) Neonatal brain monitoring (Sampsa Vanhatalo) Automated EEG analysis in adults (Sandor Beniczky) Status epilepticus assessment (Leena Kämppi)	
12:00-13:30	**LUNCH**	
13:30-15:00	**Parallel session I** Single-fiber EMG in myasthenia gravis: Diagnostic precision in the botulinum toxin era SFEMG in myasthenia gravis: Indications, pitfalls, sex-related differences, and emerging applications (Anna Rostedt Punga) SFEMG in real-world MG diagnostics: Lessons from the California experience (Ali Habib)	**Parallel session 2** Epilepsy in childhood - EEG in IESS EEG in IESS (Jukka Vanhanen) EEG in EE-/DEE-SWAS (Elena Gardella) EEG in LGS (Josefin Nilsson)
15:00-15:45	**Coffee**	
15:45-17:00	**Parallel session 3** Neuromuscular Ultrasound: Bridging the Gap (Eman Tawfik) Choosing wisely and other challenges in neuromuscular ultrasound (Maarika Liik)	**Parallel session 4** **Ongoing research in Denmark, Finland, Sweden, Norway** Norway (Kristian Bernhard Nilsen) Sweden (Håkan Olausson) Danmark (Hatice Tankisi) Finland (Satu Jääskeläinen)
18:30	**Conference Dinner at Uppsala Castle**	

16 April 2027 at Uppsala University Main Building		
	Auditorium	**Lecture Hall X**
09:00-10:00	**Parallel session 5** Neurophysiological biomarkers of epilepsy (Päivi Nevalainen moderator) Association of gene markers and neurophysiology in epilepsy (Erika Ignatius) Brain connectivity and criticality as epilepsy biomarkers (Sheng H Wang)	**Parallel session 6** TMS, PAS and neuromodulation Paired associative stimulation (PAS) in spinal cord injury (Anastasia Shulga) rTMS in chronic neuropathic pain (Selja Vaalto) Future neuromodulation methodologies in personalized treatments (Juha Gogulski) TMS (Tarun Arora)
10:00-10:45	**Coffee**	
10:45-12:00	**Plenary session 2** Neuromuscular assessment in pediatrics The use of EMG and ultrasound in pediatrics (Leena Lauronen) Neuromuscular transmission evaluation in children (Anna Rostedt Punga) Out of hospital assessment of motor activity (Sampsa Vanhatalo)	
12:00-13:30	**Lunch**	
13:30-15:00	**Parallel session 7** From Normative Data to Reference Limits: Rethinking Normality in Clinical Neurophysiology Danish multicenter study of normative data for sensory nerve conduction studies: methodology, challenges and comparison with established reference values (Lars Ølgaard Bloch) MeFit 2.0: Automated generation of reference limits from large, unsorted neurophysiological datasets (Sigbjørn Hokland) DIGMINE project and the limitations and pitfalls of indirect methods (Tomasz Szczepanski) The future of reference values in clinical neurophysiology: from conventional normative studies to data-driven reference limits (Thorbjørn Søndergaard Engedal)	**Parallel session 8** Role of technicians: differences in Nordic countries *Presenters to be announced*
15:00-15:45	**Coffee**	
15:45-16:45	**Plenary session 3 and Closing** Taking the EEG home to the patient The Swedish experience The Danish experience The Norwegian experience Joined discussion	
16:45-17:30	**Mingle**	
17:30-19:00	**Öppna föreläsningar: Klinisk neurofysiologi - neurovetenskapens superkraft** Erik Stålberg: Klinisk neurofysiologi tyder nervsystemets hemliga signaler Anna Rostedt Punga: Klinisk neurofysiologi och människan Hans Axelson: Spaningarna om neurofysiologins framtid	