

**Dates** November 28-29, 2024

**Venue** Munich NTA, Germany

#### Course objectives

- Develop an understanding of the clinical benefits of Neuromuscular Ultrasound (NMUS)
- Exploration of ultrasonographic findings in various neuromuscular conditions
- Develop hands on experience with a NMUS system on normal subjects

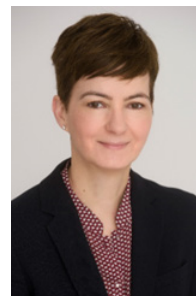
**Intended audience** Physicians, Clinical Neurophysiologists, InVisus Pro Customers

**Max. number of participants** 16

**Registration deadline** 15.11.2024

**Registration fee** 400€

### Speakers



**Zsuzsanna Arányi, MD, PhD**, Doctor of Science of the Hungarian Academy of Sciences is a professor of neurology and clinical neurophysiology, the Head of the Laboratory of Clinical Neurophysiology and the tertiary referral centre for neuromuscular disorders at the Dept. of Neurology, Semmelweis University in Budapest, Hungary. She is a member of the governing body of the Hungarian Society of Clinical Neurophysiology, the Hungarian Society of Neurology, the Public Body and the Clinical Neuroscience Committee of the Hungarian Academy of Sciences, and the European Academy of Neurology (EAN) Scientific Panel Neuropathies.



**Dr. Josef Böhm** qualified as a neurologist in 1996 at the Bruderkrankenhaus in Koblenz. He was Medical Director on the Neurological Rehabilitations Clinic in Vallendar before taking on the role of Head of the Neurology Department at the General Hospital in Freiburg. Dr. Böhm currently runs a Private Practice in Berlin with a focus on Nerves and Neuromuscular Ultrasound. He completed his PhD in "High resolution sonography of peripheral nerves: normal values in healthy individuals and the role of sonography in rare disorders of peripheral nerves". Dr. Böhm is a regular speaker at DEGUM and has extensive publications in the field of NMUS.



**Marta Soares Santos** owns a Bachelor Degree in Neurophysiology and a Master Degree in Biomedical Engineering from Escola Superior de Biotecnologia of the Universidade Católica Portuguesa (Portugal). She has 10 years' experience in clinical neurophysiology roles in hospitals, as well as product and sales knowledge in medical devices companies in Portugal. In parallel, she was an invited EMG teacher at Escola Superior de Tecnologias da Saude of the Instituto Politecnico de Coimbra. Joined at Natus Medical Inc in 2023 as International Clinical Applications Specialist EMG/EP/US.

## NMUS Clinical Application Training

## AGENDA

### Day 1 November 28, 2024

09:00 – 09:45	<b>Welcome &amp; Introduction</b>
09:45 – 10:30	<b>Introduction to Neuromuscular Ultrasound.</b> Normal sonomorphology of nerves and muscles. <b>Dr. Zsuzsanna Arányi</b>
10:30 – 11:00	Break
11:00 – 12:30	<b>Introduction to InVisus Pro</b> Hands on in small groups <b>Marta Soares Santos</b>
12:30 – 13:30	Lunch
13:30 – 14:30	<b>Ultrasonography of Entrapment Neuropathies Part 1</b> (carpal tunnel syndrome, ulnar neuropathy at the elbow) <b>Dr. Zsuzsanna Arányi and Dr. Josef Böhm</b>
14:30 – 15:30	<b>Hands on in small groups</b>
15:30 – 16:00	Break
16:00 – 17:00	<b>Ultrasonography of Nerve Trauma</b> <b>Dr. Zsuzsanna Arányi and Dr. Josef Böhm</b>

### Day 2 November 29, 2024

09:00 – 09:30	<b>Day 1 Recap - Q&amp;A</b>
09:30 – 10:30	<b>Ultrasonography of Entrapment Neuropathies Part 2</b> (thoracic outlet syndrome, lower limb entrapments) <b>Dr. Zsuzsanna Arányi and Dr. Josef Böhm</b>
10:30 – 11:00	Break
11:00 – 12:30	<b>Hands-on</b>
12:30 – 13:30	Lunch
13:30 – 14:30	<b>Ultrasonography of Dysimmune Neuropathies</b> <b>Dr. Zsuzsanna Arányi and Dr. Josef Böhm</b>
14:30 – 15:30	<b>Ultrasonography of Nerve Tumors</b> <b>Dr. Zsuzsanna Arányi and Dr. Josef Böhm</b>
15:30 – 16:00	Break
16:00 – 17:00	<b>Hands-on session (Optional)</b> <b>Q&amp;A and Workshop Close</b>