



## Wednesday - September 22

### Program 1 – Basic Course

09.00 - 09.55	Opening Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
09.05 - 10.00	Introduction to NM US Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
10.00 - 10.20	Knobology and getting a good image on screen Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
10.20 - 10.40	Clinical value of nerve ultrasound Craig Zaidman - Washington University Physicians, USA
10.40 - 11.00	Short Break
11.00 - 11.20	Anatomy and scan demo median nerve Johan Telleman - ETZ Tilburg, The Netherlands
11.20 - 11.40	Anatomy and scan demo ulnar nerve Simon Podnar - Ljubljana University Medical Centre, Slovenia
11.40 - 12.00	Anatomy and scan demo radial nerve including PIN and SRN Ana Moreira - Centro de Neurologia, Campinas, Brazil
12.00 - 12.15	Short Break
12.15 - 12.35	Anatomy and scan demo fibular and tibial nerve Craig Zaidman - Washington University Physicians, USA
12.35 - 12.55	Anatomy and scan demo sciatic, femoral/saphenous nerve Juerd Wijntjes - Radboud UMC, Nijmegen, The Netherlands
12.55 - 13.45	Lunch Break
13.45 - 14.05	Anatomy and scan demo brachial plexus Zsuzsanna Aranyi - Semmelweis University, Budapest
14.05 - 14.25	Anatomy and scan demo nerves in the neck: phrenic, long thoracic, dorsal scapular, suprascapular, pectoral nerves Michael Cartwright - Wake Forest School of Medicine, USA
14.25 - 14.45	Short Break
14.45 - 15.05	Anatomy and scan demo sensory skin nerves: LCNFA, MCNFA, LCFN, sural Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
15.05 - 15.25	Anatomy and scan demo cranial nerves II, VII, X, XI and XII Doris Lieba-Samal - University Vienna, Austria
15.25 - 15.45	Short Break
15.45 - 16.05	NMUS cases - nerve Speaker to be announced
16.05 - 16.35	Post course test Eman Thafik
15.35 - 16.45	Closing Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands

## Program 2 – Advanced Course

09.00 - 09.05	Conference opening - Stream 1
09.05 - 10.00	Introduction US guided botulinum toxin injection for dystonia and spasticity Andrea Boon - Mayo Clinic, Minnesota, USA
10.00 - 10.20	Anatomy and scan demo key muscles for botulinum toxin injection Christiaan Saris - Radboud UMC, Nijmegen, The Netherlands
10.20 - 10.40	Expert discussion panel: how to approach this case? Andrea Boon - Mayo Clinic, Minnesota, USA Christiaan Saris - Radboud UMC, Nijmegen, The Netherlands
10.40 - 11.00	Short Break
11.00 - 11.20	Injection safety and hygiene aspects Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
11.20 - 11.40	Basic nerve injection techniques CTS and meralgia Juerd Wijntjes - Radboud UMC, Nijmegen, The Netherlands
11.40 - 12.00	Clinical value of muscle ultrasound Craig Zaidman - Washington University Physicians, USA
12.00 - 12.15	Short Break
12.15 - 12.35	Upper limb muscle ultrasound anatomy Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands Juerd Wijntjes - Radboud UMC, Nijmegen, The Netherlands
12.35 - 12.55	Lower limb muscle ultrasound anatomy Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands Juerd Wijntjes - Radboud UMC, Nijmegen, The Netherlands
12.55 - 13.45	Lunch Break
13.45 - 14.05	Neck and trunk muscle ultrasound anatomy: trapezius, SCM, scalene, levator scapulae, serratus anterior, thoracic paraspinals, lumbar paraspinals, gluteal muscles Craig Zaidman - Washington University Physicians, USA
14.05 - 14.25	Anatomy and scan demo respiratory muscles: diaphragm, intercostals, abdominal, accessory Jonne Doorduyn - Radboud UMC, Nijmegen, The Netherlands Jeroen van Doorn - Radboud UMC, Nijmegen, The Netherlands
14.25 - 14.45	Short Break
14.45 - 15.05	Anatomy and scan demo orofacial muscles Sanne Vincenten - Radboud UMC, Nijmegen, The Netherlands
15.05 - 15.25	Muscle ultrasound visual and quantitative analysis techniques Juerd Wijntjes - Radboud UMC, Nijmegen, The Netherlands
15.25 - 15.45	Short Break
15.45 - 16.05	NMUS cases - muscle Speaker to be announced
16.05 - 16.45	Conference closing - Stream 1



## Thursday - September 23

### Opening - Plenary

09.00 - 09.45	Conference opening
09.10 - 09.50	Keynote Intro Lisa Hobson-Webb - Duke University School of Medicine, USA
09.50 - 10.25	Introduction to ultrasound of nerve and muscle Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
10.25 - 11.00	Neuromuscular imaging in practice Michael Cartwright - Wake Forest School of Medicine, USA
11.00 - 11.15	Short Break
11.15 - 12.10	Abstract Pitches 6 pitches of selected abstracts by their authors
12.10 - 12.45	Lunch Break

### Parallel Session 1

12.45 - 13.20	US guided NM diagnosis and treatment John Norbury – PM&R physician – Texas, USA
13.20 - 13.55	MRI guided NM diagnosis and treatment Jodi Warman – Ottawa Hospital – Ottawa, Canada
13.55 - 14.30	Basic nerve US: how to get a good image on the screen Leo Visser - ETZ Tilburg, The Netherlands
14.30 - 14.45	Short Break
14.45 - 15.20	US pathology of the median and ulnar nerve Einar Wilder-Smith - Luzerner Kantonsspital, Switzerland
15.20 - 15.55	US pathology of the radial and UE sensory nerves Antonis Kerasnoudis - St Luke Hospital, Greece
15.55 - 16.30	US pathology of the fibular, tibial and sural nerve Camiel Verhamme - Amsterdam UMC, The Netherlands
16.30 - 16.45	Short Break
16.45 - 17.20	Brachial plexus US Zsuzsanna Aranyi - Hungarian Academy of Sciences, Hungary
17.20 - 17.55	Ultrasound of nerve sheath tumors Doris Lieba-Samal - University Vienna, Austria
17.55 - 18.30	The role of ultrasound in traumatic nerve lesions Luca Padua - University Cattolica del Sacro Cuore, Milano, Italy
18.30 - 18.35	Closing day 1 Michael Cartwright & Nens van Alfe

### Parallel Session 2

12.45 - 13.20	The US aspect of nerves after surgery and trauma Daniele Coraci - Fondazione Policlinico Universitario A. Gemelli
13.20 - 13.55	US around the nerves - a MSK primer for neurologists Omar Khan - Dieu Shaver Health & Rehabilitation Centre
13.55 - 14.30	US guided PNS injections Jeff Strakowski - Ohio Health, USA

14.30 - 14.45	Short Break
14.45 - 15.20	US guided chemodenervation Serdar Koçer - Hospital Du Jura, Switzerland
15.20 - 15.55	US of respiratory muscles Andrea Boon - Mayo Clinic, Minnesota, USA
15.55 - 16.15	Short Break
16.15 - 16.50	Muscle US - qualitative versus quantitative scoring Juerd Wijntjes - Radboud UMC, Nijmegen, The Netherlands
16.50 - 17.25	Neuromuscular imaging in ALS/MND Stefanie Schreiber - University Magdeburg, Germany
17.25 - 18.00	Neuromuscular Ultrasound in Children: Cases and Consideration Craig Zaidman - Washington University Physicians, USA
<b>Parallel Session 3</b>	
13.30 - 14.00	Neuromuscular imaging - Beyond the horizon Capturing muscle movement with MRI: From fasciculation detection to strain imaging Linda Heskamp
14.00 - 14.30	Dynamic ultrasound imaging of oral and laryngeal structures in children and adults Marloes Lagarde & Simone Knuijt



## Friday - September 24 Preliminary Conference Program

### Opening - Plenary

09.00 - 09.35	Advances in nerve MRI Simonetta Gerevini - Papa Giovanni Hospital – Bergamo - Italy
09.35 - 10.25	Advances in nerve US Francis Walker - Wake Forest School of Medicine, USA
10.25 - 11.00	Advances in muscle US Nens van Alfen - Radboud UMC, Nijmegen, The Netherlands
11.00 - 11.15	Short Break
11.15 - 11.55	Abstract Pitches 6 pitches of selected abstracts by their authors
11.55 - 12.30	Lunch Break

### Parallel Session 1

12.30 - 13.05	Nerve ultrasound in inflammatory neuropathies Johan Telleman - ETZ Tilburg, The Netherlands
13.05 - 13.40	Controversy: scoring systems for nerve US: do or don't? Stephan Goedee - UMC Utrecht, Netherlands
13.40 - 14.15	NMUS practice and training consensus Eman Tawfik - Ain Shams University, Cairo, Egypt
14.15 - 14.30	Short Break

### Parallel Session 2

12.30 - 13.05	Advances in muscle MRI Krista Vandendorpe - University of Florida - USA
13.05 - 13.40	Quantitative and qualitative muscle MRI and scoring systems Karlien Mul - Radboud UMC, Nijmegen, The Netherlands
13.40 - 14.15	MRI in inflammatory neuropathies Marieke van Rosmalen - UMC Utrecht, Netherlands
14.15 - 14.30	Short Break

### Plenary Closing Session

#### Closing - Plenary

14.30 - 15.20	Francis Walker Award Lecture Award winner to be announced
15.20 - 15.55	Abstract talent award ceremony Presented by Luca Padua
15.55 - 16.20	Closing remarks - Highlights & future directions
16.20 - 16.30	ISPNI 2022: where do we go?