

INUS Nurse Workshop

Saturday June 11th 2023, 8:00—12:00

Register now for this educational course specially designed for nurses dealing with neuro-urological patients entitled „**Nursing care of neuro-urological patients needs special knowledge**“.

Objectives:

- ◇ Identify risk factors for recurrent UTIs using a systematic assessment tool
- ◇ Outline methods for performing intermittent catheterization (IC) in children and adults
- ◇ Review different types of intermittent catheters for IC
- ◇ Train IC with the trainers

Participate for free if you register for the INUS Annual Congress or book the workshop only for € 150. Please be aware that there is a limited number of participants — so book now!

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| 8:00 | Welcome | H. Madersbacher (Austria) |
| URINARY TRACT INFECTIONS IN NEUROGENIC LOWER URINARY TRACT DYSFUNCTION | | |
| Moderators: H. Madersbacher (Austria), Ch. Konstantinidis (Greece) | | |
| 8:10—8:30 | Urinary Tract Infections – the number one complication in patients with Neurogenic Lower Urinary Tract Dysfunction – reasons | A. Oeconomou (Greece) |
| 8:35—8:55 | Therapeutic strategies – antibiotics only? | L. Leitner (Switzerland) |
| 9:00—9:15 | Can surgery help? | K. Önem (Türkiye) |
| 9:15—9:30 | Discussion | |
| 9:30—10:00 | Break | |
| INTERMITTENT CATHETERIZATION | | |
| Moderators: S. Terzoni (Italy), A. Nikolia (Greece) | | |
| 10:00—10:15 | Terminology of techniques and materials | H. Madersbacher (Austria) |
| 10:20—10:35 | Assessment of UTI in IC users – which problems can arise? | S. Terzoni (Italy) |
| 10:40—10:55 | Intermittent Catheterization in children – tips and tricks | A. Furruther (Austria) D. Mair (Austria) |
| 11:00—12:00 | Hands-On-Training in small groups Supervisors: A. Nikolia, S. Terzoni | S. Baumann (Switzerland) A. Furruther (Austria) D. Mair (Austria) T. Makris (Switzerland) S. Nair (UK) S. Terzoni (Italy) |
| 12:00 | Closing remarks | |



Simultaneous translation English-Greek will be provided.

Register now on www.neuro-uro.org

Urodynamics Workshop

Thursday June 8th 2023, 14:00—18:00

Objectives theory

- ◇ Gain an understanding of the importance of standardized language for assessing lower urinary tract function
- ◇ Acquire knowledge of the key elements of urodynamic equipment, including its proper use and considerations for specific patient groups

Objectives practical hands-on:

- ◇ Develop skills in evaluating different measuring systems and recognizing their respective advantages and disadvantages
- ◇ Learn to interpret urodynamic findings within the context of clinical cases

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| 14:00 | Opening | S. Musco & L. Leitner |
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PART I: URODYNAMIC INVESTIGATION: FROM THEORY TO PRACTICE

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| 14:05—14:35 | Standards & Terminology | C. Konstantinidis |
| 14:35—15:00 | Video-urodynamic equipment, performance & transducers | R. Kirschner-Hermanns |
| 15:00—15:20 | Small body, big machine: Urodynamic in children | J. Routh |
| 15:20—15:50 | Hands-on training: System and equipment | All tutors |
| 15:50—16:05 | Break | |

PART II: URODYNAMIC FINDINGS: WHAT WE NEED TO CONSIDER IN CLINICAL PRACTICE

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| 16:05—16:45 | Feature or artefact? Find the pitfall! | J. Moreno |
| 16:45—17:55 | Hands-on training: Clinical cases & discussion | All tutors |
| 17:55—18:00 | Closing remarks | S. Musco & L. Leitner |



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Neuromodulation Workshop

Thursday June 8th 2023, 14:00—16:00

Objectives:

1. Provide scientific and clinical insights into neuromodulation including the newest innovation and its implementation and experience in clinical practice
 - ◇ Understand the innovations in technology in the context of non-invasive and invasive neuromodulation
 - ◇ Patient choice in decision making on the treatment options
 - ◇ Learn how to follow-up patients undergoing neuromodulation therapies
2. Practical hands-on part will allow to practice non-invasive neuromodulation on participants and invasive neuromodulation (sacral neuromodulation) on models
 - ◇ Positioning of patch / needle electrodes
 - ◇ Tined lead and neuromodulator implantation (rechargeable and recharge free)
 - ◇ Troubleshooting

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| 14:00 | Welcome | H. Goldman & S. de Wachter |
| 14:00—14:20 | Current overview of neuromodulation in neuro-urology | H. Goldman |
| 14:20—14:40 | Mechanisms of action of neuromodulation | J. Panicker |
| 14:40-15:00 | Future directions in neuromodulation | M. Averbeck |
| 15:00—16:00 | Hands-on session | M. Averbeck S. de Wachter H. Goldman O. Gross M. Liechti J. Panicker S. Stalder S. van der Lely |



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Neurosciences Workshop

Friday June 9th 2023, 08:00—12:00

Objectives:

- ◇ To understand the neural basis for bladder and sexual dysfunction
- ◇ To explore the interface between urological, neurological and mental health disorders
- ◇ To reflect upon the impact of neurological diseases on lower urinary tract functions

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| 8:00 | Welcome | B. Blok & J. Panicker |
| 8:00—8:35* | The role of sensory processing in the pathogenesis of OAB | U. Mehnert |
| 8:35—9:10* | Detrusor Sphincter Dysynergia- neural mechanisms for dysfunction, assessment and management | J. Stoffel |
| 9:10—9:45* | Lower spinal cord imaging as a tool to understand neurogenic voiding dysfunction | M. Liechti |
| 9:45—10:15 | Break | |
| 10:15—10:50* | Peripheral neural correlates to genital sensitivity | S. Wright |
| 10:50—11:25* | Central neural correlates to genital sensitivity | B. Blok |
| 11:25—12:00* | Unravelling the bidirectional relationship between mental health disorders and LUTS | D. Vrijens |

*all lectures include 10 minutes discussion time



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Translational Research Workshop

Friday June 9th 2023, 08:00—12:00

Objectives:

- ◇ Understanding the peripheral pathophysiology of lower urinary tract dysfunction (LUTD) in spinal cord injury (SCI) and bladder outlet obstruction
- ◇ Understand the aging-related pathophysiology of LUTD
- ◇ Understanding the central control mechanisms of micturition
- ◇ Understanding the central pathophysiology of LUTD in SCI
- ◇ Understanding of the central pathophysiology of LUT symptoms and depression

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| 8:00 | Welcome | K. Monastyrskaya & N. Yoshimura |
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PERIPHERAL MECHANISMS OF LUTD

Moderators: N. Yoshimura (Japan)

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| 8:00—8:35* | Gene expression profiles of neurogenic and obstruction-induced LUTD | K. Monastyrskaya |
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| 8:35—9:10* | Mechanistic investigation of inosine in LUTD following spinal cord injury | R. Adam |
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| 9:10—9:45* | LUTD and remodeling: impact of uro-toxic metabolites | L. Birder |
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| 9:45—10:15 | Break | |
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CENTRAL MECHANISMS OF LUTD

Moderators: K. Monastyrskaya (Switzerland)

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| 10:15—10:50* | CNS control of the lower urinary tract | A. Sartori |
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| 10:50—11:25* | LUTD in spinal cord injury - gender difference in the mouse model and new targets | N. Yoshimura |
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| 11:25—12:00* | Why are some people with LUTS depressed? | F. Hughes |
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*all lectures include 10 minutes discussion time

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Pediatrics Workshop

Friday June 9th 2023, 08:00—12:00

Objectives:

- ◇ Update of nomenclature in pediatric neurogenic bladder
- ◇ Explanation of urinary tract evaluation algorithms
- ◇ Develop knowledge and skills in urodynamics and video-urodynamic studies. The most frequent patents.
- ◇ Highlight the importance of clean intermittent catheterization.
- ◇ Update and explain medical and surgical approach and therapeutics in Pediatric neurogenic bladder.

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| 8:00 | Welcome | G. Mosiello |
| 8:05—8:20 | Nomenclature and Standardization | A. Karatzas |
| 8:20—8:35 | Spina bifida evaluation / UMPIRE project | J. Routh |
| 8:35—8:50 | Pitfalls in urodynamic studies | S. Bauer |
| 8:50—9:05 | Indications for Video-Urodynamics Vesico-ureteral reflux/renal function | C. Sager |
| 9:05—9:20 | Role of perineal EMG Sphincters Urinary continence assessment | C. Estrada |
| 9:20—9:45 | Discussion | All tutors |
| 9:45—10:15 | Break | |
| 10:15—10:30 | Clean intermittent catheterization and training programs | S. Tanaka |
| 10:30—10:45 | Pharmacological refractoriness / Botulinum toxin A | C. Sager |
| 10:45—11:00 | Augmentation cystoplasty and continent stomas | G. Mosiello |
| 11:00—11:15 | Tissue engineering in Urology | C. Estrada |
| 11:15—12:00 | Discussion and closing remarks | All tutors |



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