

INUS ANNUAL CONGRESS 2025

The 10th anniversary meeting of the International Neuro-Urology Society

Zermatt, Switzerland

16 – 18 January 2025



in association with



The International Neuro-Urology Society (INUS)

The International Neuro-Urology Society (INUS) is a medical and scientific non-profit organisation with the aim to sustainably improve and promote the medical care for patients suffering from neuro-urological disorders.

All researchers and health care professionals who deal with neuro-urological patients or research projects are eligible and welcome to apply for membership. If you are interested to become a member of the INUS please visit the society's homepage www.neuro-uro.org.

Companies, institutions, foundations or individuals who are interested to support the society can become partner of INUS. Please contact us to discuss partnership options.



INUS

Welcome

Dear friends and colleagues, ladies and gentlemen

It is my great honour and pleasure to invite you to attend the **10th anniversary INUS annual congress 2025**, to be held in Zermatt, Switzerland, from **16-18 January 2025**.

After three successful congresses in vibrant locations outside Switzerland (Istanbul, Innsbruck, Athens), the INUS Annual Congress returns to its roots in Switzerland for its 10th anniversary. It was here in 2015, from the International Neuro-Urology Meeting, that the International Neuro-Urology Society was founded. In celebration of this special milestone and taking into account the special location of the congress venue, the theme for the congress is aptly set: **Raise Neuro-Urological Science and Care to a Higher Level**. With an outstanding faculty of experts from across the globe, there is no doubt that we will achieve this ambitious goal.

The programme promises a dynamic and interdisciplinary approach, offering stimulating discussions, thought-provoking exchanges, and the forging of new collaborations. The diversity of topics and speakers ensures that everyone will find something to challenge and inspire them.

Looking ahead, we hope to continue expanding our horizons. Alongside the well-established INUS courses worldwide, our vision is to host future congresses beyond Europe—potentially in Asia or the Americas—where many young and talented clinicians and researchers are eager to advance the field of neuro-urology.

But for now, I cordially invite you to immerse yourself in the upcoming INUS Congress in Zermatt. In addition to the rich scientific programme, take time to enjoy the unique atmosphere and stunning mountain views of this remarkable location, including the Matterhorn, probably Switzerland's most famous mountain. Despite the challenges of climate change, Zermatt should still be draped in a soft, white winter blanket at this time of year.

I look forward to seeing you all in Zermatt and wish you a memorable and enriching experience!

Sincerely yours

A handwritten signature in blue ink that reads "T. Kessler". The signature is fluid and cursive, with a long horizontal line extending from the top of the "T" across the top of the name.

Prof. Thomas M. Kessler, MD
INUS President

Organising committee



Thomas M. Kessler, MD
INUS President



Irina Mantl, MSc
INUS Office

Scientific program committee



Ulrich Mehnert, MD, PhD
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Stefania Musco, MD
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Jalesh N. Panicker, MD
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Sarah Baumann (CH)
Marion Bichet (CH)
Lori Birder (US)
Bertil Blok (NL)
Tanja Bögli-Meister (CH)
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Andrea Cocci (IT)
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Sabrina De Cillis (IT)
Jacqueline de Jong (CH)
Mathijs de Rijk (NL)
Giulio Del Popolo (IT)
Murat Dinçer (TR)
Daniel Engeler (CH)
Karel Everaert (BE)
Alessandra Fanciulli (AT)
Ana Ferreira (PT)
Enrico Finazzi Agrò (IT)

Marc Furrer (CH)
Howard Goldman (US)
Oliver Gross (CH)
Julian Harrison (CH)
Claire Hentzen (FR)
Charles Hubscher (US)
Charles Joussain (FR)
Andre Kahles (CH)
Michael Kennelly (US)
Thomas Kessler (CH)
Ruth Kirschner-Hermanns (DE)
Stephanie Knüpfer (DE)
Charalampos Konstantinidis (GR)
Jan Krhut (CZ)
Klaus Krogh (DK)
Annette Kuhn (CH)
Silvia Lai (IT)
Lorenz Leitner (CH)
Limin Liao (CN)
Martina Liechti (CH)
Helmut Madersbacher (AT)
Dora Mair (AT)

Faculty

Prasad Malladi (UK)
Shawna McCallin (CH)
Ulrich Mehnert (CH)
Mehri Mehrad (IR)
Waltraut Merz (DE)
Sonja Milek (CH)
Katia Monastyrskaya (CH)
Jorge Moreno-Palacios (MX)
Giovanni Mosiello (IT)
Stefania Musco (IT)
Immer Noyola (MX)
James O'Brian (CH)
Matthias Oelke (CH)
Kadir Önem (TR)
Alaz Ozcan (CH)
Jalesh Panicker (UK)
Jürgen Pannek (CH)
Mirko Preto (IT)
Antonin Prouza (CH)
Todd Purves (US)
Cristian Sager (AR)
Gianluca Sampogna (IT)

Andrea Sartori (US)
Patrizia Seiler (CH)
Caroline Selai (UK)
Neha Sihra (UK)
Sanjay Sinha (IN)
Sivilaikul Sonthidetch (TH)
Stephanie Stalder (CH)
Alexander Stillebroer (NL)
John Stoffel (US)
Jon Stone (DK)
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Blayne Welk (CA)
Glenn Werneburg (US)
Bart Witte (NL)
Kate Wolfer (CH)



Scientific program at a glance - Day 1



Thursday 16 January			
	Session name	Time	Room
Morning	INUS board meeting	08:00 - 12:00	Residence (RES) II
	Lunch break	12:00 - 13:00	Foyer
Afternoon	Workshop: Urodynamics	13:00 - 17:00	Alexander Seiler Saal (ALE) II
	Workshop: Innovations from the lab - shaping the future of neuro-urology		Residence (RES) I
	Workshop: Neuromodulation		Alexander Seiler Saal (ALE) III
	Workshop: Urodynamics for nurses		Alexander Seiler Saal (ALE) I
	Guidelines Working group (per invitation only)	17:00 - 19:00	Alexander Seiler Saal (ALE) I

Scientific program at a glance - Day 2



Friday 17 January			
	Session name	Time	Room
Morning	Workshop: Microbiome & phages	08:00 - 12:00	Residence (RES) I
	Workshop: Neuroscience		Alexander Seiler Saal (ALE) II + III
	Workshop: Nightmare cases		Residence (RES) II
	Lunch break	12:00 - 13:00	Foyer
Afternoon	Welcome	13:00 - 13:05	Alexander Seiler Saal (ALE) II + III
	Lecture: History of INUS	13:05 - 13:30	
	Panel discussion: Upper urinary tract - stratification of risk and follow-up	13:30 - 14:15	
	Podium debate: The role of pelvic floor physiotherapy for the neurological patient	14:15 - 15:00	
	Tea break	15:00 - 15:30	Foyer
	Spotlight session: Interface between mental health disorders & LUTS	15:30 - 16:15	Alexander Seiler Saal (ALE) II + III
	Panel discussion: Bowels, bladder and the bedroom	16:15 - 17:00	
	Poster sessions 1 - 4 (parallel)	17:00 - 18:00	PS1: ALE I PS2: ALE II + III PS3: RES I PS4: RES II
INUS general assembly (members only)	18:15	Alexander Seiler Saal (ALE)	

Scientific program at a glance - Day 3



Saturday 18 January			
	Session name	Time	Room
Morning	Spotlight session: Transgender - challenges for the neuro-urologist	08:00 - 09:00	Alexander Seiler Saal (ALE) II + III
	Spotlight session: Pregnancy in neuro-urological patients	09:00 - 09:45	
	Coffee break	09:45 - 10:15	Foyer
	Panel discussion: Journey through the ages - from pediatric to geriatric care	10:15 - 11:15	Alexander Seiler Saal (ALE) II + III
	Panel discussion (EAN & ICS): Red flags in neuro-urology & when to suspect a neurological cause of LUTD	11:15 - 12:00	
	Lunch break	12:00 - 13:00	Foyer
Afternoon	The Future in Neuro-Urology Session: Young talents present their cutting edge research and compete for the SCF Award	13:00 - 15:00	Alexander Seiler Saal (ALE) II + III
	State-of-the-art presentation (SIU & PACS): Surgical management of incontinence - from open to nano	15:00 - 15:45	
	Tea break	15:45 - 16:15	Foyer
	Overview on guidelines in neuro-urology & presentation NEUROGED guidelines	16:15 - 16:30	Alexander Seiler Saal (ALE) II + III
	Podium debate (EAUN & SIUD): Catheter use - curse or blessing?	16:30 - 17:15	
	State-of-the-art presentation (TAU & SBU): UTIs in the neuro-urological patient - definition, epidemiology, treatment, antibiotic resistance & prophylaxis	17:15 - 18:00	
	Highlights of the poster sessions & poster prize	18:00 - 18:25	
Closing remarks	18:25 - 18:30		



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Scientific programme | Thursday 16 January 2025

13:00 - 17:00

WORKSHOP: URODYNAMICS
(limited seats, separate registration required)

ROOM: ALE II

Chairs: Stefania Musco, Lorenz Leitner

Tutors: Enrico Finazzi Agrò, Ruth Kirschner-Hermanns, Jorge Moreno,
Cristian Sager

Objectives:

- Understanding the importance of standardized language for assessing lower urinary tract function
- Learn key elements and proper use of urodynamic equipment, considering specific patient groups
- 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

Scientific programme | Thursday 16 January 2025

WORKSHOP: URODYNAMICS

ROOM: ALE II

13:00 - 13:05 Welcome

S. Musco & L. Leitner

PART I: URODYNAMIC INVESTIGATION FROM THEORY TO PRACTICE

13:05 - 13:35 Standards & terminology

E. Finazzi Agrò

13:35 - 14:00 Video-urodynamic equipment, performance & transducers

R. Kirschner-Hermanns

14:00 - 14:25 Small body, big machine: urodynamics in children

C. Sager

14:25 - 14:50 Hands-on-training: system and equipment

All tutors

14:50 - 15:20 Tea break

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

15:20 - 15:45 Feature or artefact? Find the pitfall

J. Moreno

15:45 - 16:55 Hands-on-training: clinical cases & discussion

All tutors

16:55 - 17:00 Closing remarks

S. Musco & L. Leitner

Scientific programme | Thursday 16 January 2025

13.00 - 17.00

WORKSHOP:

**INNOVATIONS FROM THE LAB -
SHAPING THE FUTURE OF NEURO-UROLOGY**
(limited seats, separate registration required)

ROOM: RES I

Chairs:

Célia Cruz, Andrea Sartori

Tutors:

Rosalyn Adam, Lori Birder, Ana Ferreira, Charles H. Hubscher,
Katia Monastyrskaya, Todd Purves, Anne Verstegen

Objectives:

- To explore the relevance of animal models to understand neurogenic lower urinary tract dysfunction (LUTD).
- To understand the mechanisms of tissue remodeling in the lower urinary tract under pathological conditions.
- To highlight the latest advances in understanding the neural control of lower urinary tract function (LUTF).
- To discuss innovative techniques and approaches for managing LUTD.

Scientific programme | Thursday 16 January 2025

WORKSHOP: **INNOVATIONS FROM THE LAB -
SHAPING THE FUTURE OF NEURO-UROLOGY**

ROOM: RES I

13:00 - 13:05	Welcome	C. Cruz & A. Sartori
13:05 - 13:35	Animal models for the study of LUT dysfunction of neurogenic origin	A. Ferreira
13:35 - 14:05	Animal models of diabetic bladder dysfunction	T. Purves
14:05 - 14:35	An innovative approach for the management of peripheral neuropathy	L. Birder
14:35 - 15:00	Neuronal populations in Barrington's nucleus and the control of LUT function	A. Verstegen
15:00 - 15:30	Tea break	
15:30 - 16:00	Molecular signature of detrusor overactivity in SCI- and EAE-induced bladder dysfunction	K. Monastyrskaya
16:00 - 16:30	Therapeutic strategies for LUT dysfunction following spinal cord injury	R. Adam
16:30 - 17:00	Spinal cord epidural stimulation for bladder control after spinal cord injury: from rats to humans	C. Hubscher

Scientific programme | Thursday 16 January 2025

13.00 - 17.00

WORKSHOP:

NEUROMODULATION

ROOM: ALE III

(limited seats, separate registration required)

Chairs:

Bertil Blok, Marcio Averbeck

Tutors:

Giulio Del Popolo, Marc Furrer, Howard Goldman, Oliver Gross,
Martina Liechti, Stephanie Stalder, Alexander Stillebroer, Bart Witte

Objectives:

1. Provide scientific and clinical insights into neuromodulation including the latest innovations and their implementation in clinical practice
 - Understand the latest technological advances in the context of non-invasive and invasive neuromodulation
 - Implement a patient-centered decision making concerning treatment options
 - Learn how to follow-up patients undergoing neuromodulation therapies
2. Hands-on training focuses on both non-invasive neuromodulation (with live demonstrations) and invasive neuromodulation (sacral neuromodulation) using pelvic models.
 - Placement of patch and needle electrodes
 - Implantation of quadripolar leads and neuromodulators (rechargeable and non-rechargeable)
 - Troubleshooting techniques

Scientific programme | Thursday 16 January 2025

WORKSHOP: NEUROMODULATION

ROOM: ALE III

PART I: CONCEPTS, TECHNIQUES AND EXPECTED OUTCOMES OF NEUROMODULATION

13:00 - 13:20	Introduction & historical perspective	B. Blok
13:20 - 13:40	Mechanisms of action of neuromodulation	G. Del Popolo
13:40 - 14:00	Ideal lead placement - What are the challenges in neuro-urological patients?	A. Stillebroer
14:00 - 14:20	Outcomes of SNM in neurogenic lower urinary tract dysfunction	M. Liechti
14:20 - 14:40	Future directions in neuromodulation	M. Averbek
14:40 - 15:10	Tea break	

PART II: CLINICAL CASES AND HANDS-ON NEUROMODULATION

15:10 - 15:40	Clinical case discussion (SNM programming, role of rescue programs, how to align patients' expectations concerning treatment at short, medium, and long-term?)	H. Goldman
15:40 - 16:55	Hands-on-training (SNM, PTNS/TTNS)	All tutors
16:55 - 17:00	Closing remarks	M. Averbek

Scientific programme | Thursday 16 January 2025

13.00 - 17.00

WORKSHOP:

URODYNAMICS FOR NURSES

ROOM: ALE I

(limited seats, separate registration required)

Chairs:

Sarah Baumann, Helmut Madersbacher, Mehri Mehrad,
Sivilaikul Sonthidetch

Tutors:

Tanja Bögli-Meister, Dora Mair, Immer Noyola, Patrizia Seiler, Kadir Önem

Objectives:

This specialized workshop is tailored for nurses, recognizing their crucial role in the performance of urodynamic investigations, particularly in managing neurogenic Lower Urinary Tract Dysfunction (neurogenic bladder). Urodynamics are essential for accurately measuring urinary tract pressures, as abnormal pressures in one part can affect the function of other parts, potentially leading to damage. Nurses are key to ensuring accurate measurements, patient care, and proper equipment handling throughout the process. Learning Objectives include:

- Learn why urodynamics are critical for managing neurogenic bladder and how measuring pressures during storage and voiding helps prevent complications.
- Gain practical knowledge of the latest urodynamic equipment used in clinical settings and understand which methods are recommended for different patients.
- Nurse's Role Before, During, and After Procedures:
 - » Learn best practices for preparing patients and equipment before the investigation begins.
 - » Understand the nurse's vital role during the procedure in ensuring accurate data collection and patient comfort.
 - » Master post-procedure responsibilities, including proper equipment maintenance.

Scientific programme | Thursday 16 January 2025

WORKSHOP: URODYNAMICS FOR NURSES

ROOM: ALE I

PART I: GENERAL INFORMATION ON URODYNAMICS

Chairpersons: H. Madersbacher, S. Sonthidetch

13:00 - 13:30	Basic information about the pressures in the urinary tract during storage and voiding and their clinical relevance	H. Madersbacher
13:30 - 14:10	Urodynamic equipment which is currently used	I. Noyola
14:10 - 14:40	Which method is recommended for which patient	K. Onem
14:40 - 15:10	Tea break	

PART II: THE ROLE OF THE NURSE BEFORE, DURING AND AFTER THE URODYNAMIC INVESTIGATION

Chairpersons: S. Baumann, M. Mehrad

15:10 - 15:30	Essentials of Terminology and Good Practice in Urodynamics	S. Baumann
15:30 - 15:50	What has to be done before Urodynamics starts	D. Mair
15:50 - 16:10	The role of the nurse during the Urodynamic investigation	T. Bögli-Meister
16:10 - 16:30	The role of the nurse after the Urodynamic investigation – post-processing of the Urodynamic equipment	P. Seiler
16:30 - 17:00	Q&A	All

Scientific programme | Thursday 16 January 2025

17.00 – 19.00

GUIDELINES WORKING GROUP (per invitation only)

ROOM: ALE I

Chair: Glenn Werneburg

Panel: Marcio Averbeck, Bertil Blok, Oliver Gross, Michael Kennelly, Thomas Kessler, Limin Liao, Ulrich Mehnert, Giovanni Mosiello, Stefania Musco, Jalesh Panicker, Cristian Sager, John Stoffel, Pawan Vasudeva, Blayne Welk

Objectives:

Neurogenic lower urinary tract dysfunction (NLUTD) has been the subject of development of multiple clinical practice guidelines worldwide. The guidelines are based on the same body of evidence, and are therefore subject to the same gaps and limitations. Additionally, several aspects of the conclusions and recommendations of the guidelines are similar. This duplicative work represents an unnecessary expenditure of time and effort, and resources could be refocused on filling evidence gaps through research. In this working group, we seek to develop a global, unified approach to create a single, resource-independent, comprehensive guidance on NLUTD, neurogenic sexual, and neurogenic bowel dysfunction. Targeted research addressing the evidence gaps will be called for and pursued. In this first meeting of the working group, we seek to 1. Identify and develop the most suitable methodology for the construction of the universal guidance, 2. Identify the gaps and redundancies of the current guidelines, 3. Identify specific areas wherein adherence to existing guidelines requires resource abundance, and work to construct alternatives for resource-limited settings, and 4. Identify critical open areas for research necessary to fill the current guidance gaps.

Scientific programme | Thursday 16 January 2025

GUIDELINES WORKING GROUP (per invitation only)

ROOM: ALE I

- 17:00 Welcome
- 17:05 DISCUSSION OF CORE RECOMMENDATIONS AND IDENTIFICATION OF GAPS/REDUNDANCIES OF THE CURRENT GUIDELINES
Discussion, assign team, and develop timeline.
- 17:30 DEVELOP THE MOST SUITABLE METHODOLOGY FOR THE CONSTRUCTION OF UNIVERSAL GUIDANCE BASED ON THE AREAS IDENTIFIED
Discussion, assign team, and develop timeline.
- 18:00 IDENTIFY SPECIFIC AREAS WHEREIN ADHERENCE TO EXISTING GUIDELINES REQUIRES RESOURCE ABUNDANCE, AND WORK TO CONSTRUCT ALTERNATIVES FOR RESOURCE-LIMITED SETTINGS
Discussion, assign team, and develop timeline.
- 18:30 IDENTIFY CRITICAL OPEN AREAS FOR RESEARCH NECESSARY TO FILL THE CURRENT GUIDANCE GAPS
Discussion, assign team, and develop timeline.

Scientific programme | Friday 17 January 2025

08:00 – 12:00

WORKSHOP:

MICROBIOME & PHAGES

ROOM: RES I

(limited seats, separate registration required)

Chairs:

Shawna McCallin, Lorenz Leitner

Tutors:

Marion Bichet, Julian Harrison, Andre Kahles, Lorenz Leitner, Sonja Milek, James O'Brian, Alaz Ozcan, Kate Wolfer

Objectives:

The workshop will kick off with two plenary sessions, offering a comprehensive overview of the state of UTIs and the growing need for new therapeutic approaches. Experts in the field will discuss the current challenges posed by antimicrobial resistance and how phage therapy represents a potential avenue for treatment.

Following the plenaries, the workshop will dive into the practical aspects of microbiome research, with sessions on studying urine samples using 16S and whole-genome sequencing (WGS) metagenomics, metabolomics, immunological assays, and viable culture techniques. Participants will gain insight into the most advanced methods for analyzing the urine microbiome, learning how these tools can inform both clinical practice and research efforts.

The technical aspect of the workshop will feature two dedicated talks on physical sample preparation and data management and analysis. These sessions are essential for ensuring that research outcomes are both accurate and reproducible, and they will cover best practices for handling and interpreting microbiome data.

The workshop will conclude with a 30-minute open Q&A session, offering participants the opportunity to engage with experts, ask questions, and receive personalized feedback on their research challenges.

Scientific programme | Friday 17 January 2025

WORKSHOP: MICROBIOME & PHAGES

ROOM: RES I

08:00 - 08:05	Welcome	
08:05 - 08:30	Urinary tract infection and antimicrobial resistance: need for new treatments	L. Leitner
08:30 - 08:55	Phage therapy for urinary tract infections	S. McCallin
08:55 - 09:15	Bladder models	M. Bichet
09:15 - 09:30	An observational study of the lower urinary tract	S. Milek
09:30 - 10:00	Coffee break	
10:00 - 10:20	Urinary microbiome	J. O'Brian
10:20 - 10:40	Urine metabolomics	K. Wolfer
10:40 - 11:00	Urinary immunology	A. Ozcan
11:00 - 11:20	Expanded urinary culture	J. Harrison
11:20 - 11:40	Big data & data integration	A. Kahles
11:40 - 12:00	Q&A, Discussion	All

Scientific programme | Friday 17 January 2025

08.00 – 12.00

WORKSHOP:

NEUROSCIENCE

ROOM: ALE II + III

(limited seats, separate registration required)

Chairs:

Claire Hentzen, Jalesh Panicker

Tutors:

Bertil Blok, Mathijs de Rijk, Charles Joussain, Jan Krhut, Prasad Malladi

Objectives:

The neurosciences workshop will explore the neural pathways involved in the control of pelvic muscles to understand the role of motor efferents on continence. As sensory afferent dysfunction plays an important role in bladder disorders, the neural mechanisms involved will be reviewed, and the contribution of dermatomal sensory evoked potentials in understanding pelvic innervation will be discussed. The central neural changes associated with peripheral nerve stimulation will be detailed to improve the understanding of the mechanisms of this treatment and discuss future nerve targets to manage bladder, bowel, or sexual dysfunction.

In neurogenic detrusor overactivity, the induced changes in bladder sensations and sensory pathways will be explored to determine future therapeutic approaches.

To broaden our view of the autonomic nervous system, the relationships between cardiovascular and urogenital function will be explored, to determine whether there is a correlation between dysfunctions of one or the other, and to provide practical tools for clinical assessment.

Scientific programme | Friday 17 January 2025

WORKSHOP: NEUROSCIENCE

ROOM: ALE II + III

08:00 - 08:05	Welcome	J. Panicker
08:05 - 08:35	Central neural control of pelvic floor muscle activity - insights from functional imaging studies	B. Blok
08:35 - 09:10	Central neural correlates to peripheral nerve stimulation for LUTS	J. Krhut
09:10 - 09:45	Dermatomal sensory evoked potentials to understand the pelvic somatic peripheral innervation	P. Malladi
09:45 - 10:15	Coffee break	
10:15 - 10:50	Central and Peripheral Interplay in Bladder Sensory Processing	M. de Rijk
10:50 - 11:25	Bladder sensation assessment and changes observed in neurological LUTD	C. Hentzen
11:25 - 12:00	Targeting sensory pathways for treating neurogenic detrusor overactivity	C. Jousain

Scientific programme | Friday 17 January 2025

08:00 – 12:00

WORKSHOP:

NIGHTMARE CASES IN NEURO-UROLOGY

ROOM: RES II

(limited seats, separate registration required)

Chairs:

Blayne Welk, Ulrich Mehnert

Tutors:

Emmanuel Braschi, Daniel Engeler, Karel Everaert,
Charalampos Konstantinidis, Pawan Vasudeva, Desiree Vrijens

Objectives:

To present six complex and challenging cases covering various neuro-urological topics, providing valuable learning opportunities through real-world examples.

- **Expert Insights:** Each case will be presented by a leading expert in neuro-urology, showcasing the complexity of diagnosis and treatment in particularly difficult scenarios.
- **Comprehensive Learning:** Participants will learn to identify common pitfalls in neuro-urological management and understand strategies for resolving complications that arise in clinical practice.
- **Discussion & Interaction:** Ample time will be allocated for open discussions after each case, allowing participants to engage with the experts, ask questions, and gain deeper insights into the decision-making process behind each case.
- **Learning From Mistakes:** By reviewing „nightmare“ cases, participants will explore how errors or unexpected developments can occur and how to manage such challenges effectively.
- **Practical Application:** The workshop will conclude with the opportunity for participants to present and discuss their own difficult cases, fostering collaborative problem-solving and knowledge-sharing among peers and experts.

Scientific programme | Friday 17 January 2025

WORKSHOP: NIGHTMARE CASES IN NEURO-UROLOGY

ROOM: RES II

08:00 - 08:30	Case 1: Augmentation cystoplasty & Catherizable channel	P. Vasudeva
08:30 - 09:00	Case 2: Recurrent UTI	D. Vrijens
09:00 - 09:30	Case 3: Autonomic dysreflexia	C. Konstantinidis
09:30 - 10:00	Coffee break	
10:00 - 10:30	Case 4: Nocturia / nighttime LUTS	K. Everaert
10:30 - 11:00	Case 5: Stress urinary incontinence in the myelomeningocele patient: Artificial sphincter/slings vs. Bulking Agents	E. Braschi
11:00 - 11:30	Case 6: Pain	D. Engeler
11:30 - 12:00	Discussion, participants may present own difficult cases	All

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Swiss Continenence Foundation

The Swiss Continenence Foundation (SCF) is a non-profit organization founded in April 2011 with the goal of supporting and advancing research and further education in the field of Neuro-Urology and functional urology. A central issue of the foundation is the considerable improvement in the quality of patient care and in the patients' quality of life. In addition, the foundation's support in high-quality advanced training and education in the field of Neuro-Urology and functional urology is supposed to contribute to the distribution of the knowledge gained from research and science to physicians, nursing specialists and to the interested public.

In order to achieve these goals we depend on your financial support and would be very pleased to receive a donation.



Bank details of the Swiss Continenence Foundation:

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www.swisscontinenencefoundation.ch

Scientific programme | Friday 17 January 2025

13:00 – 13:05	Welcome	Thomas Kessler
13:05 – 13:30	History of INUS	Helmut Madersbacher
13:30 – 14:15	Panel discussion: The upper urinary tract in LUTD - risk stratification and follow-up	
	<u>Session chair:</u> Pawan Vasudeva	
	<u>Discussion panel:</u> Limin Liao, Silvia Lai, Kadir Onem, Glenn T. Werneburg	
	The urologist's view	K. Onem
	The nephrologist's view	S. Lai
14:15 – 15:00	Podium debate: The role of pelvic floor physiotherapy for the neurological patient	
	<u>Session chair:</u> Claire Hentzen	
	<u>Discussion panel:</u> Nicole Carcangiu, Jaqueline de Jong, Jorge Moreno, Natalia Vasquez	
	The urologist's view	J. Moreno
	The physiotherapist's view	N. Vasquez
15:00 – 15:30	Tea break	

Scientific programme | Friday 17 January 2025

15:30 - 16:15 **Spotlight session: Interface between mental health disorders & LUTS**

Session chair: Jalesh Panicker

Discussion panel: Marcio Averbeck, Caroline Selai, Jon Stone, Desiree Vrijens

Affective disorders and LUTS D. Vrijens

Functional neurological disorders and LUTS J. Stone

What a urologist should know when facing patients with mental health symptoms C. Selai

16:15 - 17:00 **Panel discussion: Bowels, bladder and the bedroom**

Session chair: Blayne Welk

Discussion panel: Giulio Del Popolo, Charles H. Hubscher, Klaus Krogh, Mehri Mehrad

Bowel and bladder interaction K. Krogh

Genitourinary dysfunction and the bedroom G. Del Popolo

Scientific programme | Friday 17 January 2025

17:00 - 18:00 **Poster sessions**

Poster session 1: Alexander Seiler Saal (ALE) I

Poster session 2: Alexander Seiler Saal (ALE) II + III

Poster session 3: Residence (RES) I

Poster session 4: Residence (RES) II

For further details see pages 32 - 35.

During the individual poster sessions, the posters will be presented exclusively as screen projections in the specified order (pages 32–35). Printed posters will not be used.

Each poster will follow the following time frame: 2 minutes for presentation and 3 minutes for discussion.

Additionally, all posters, including non-discussion posters (page 36), can be viewed and downloaded at any time via the INUS webpage and can also be accessed on designated screens in the foyer (break and catering area) during the congress.

18:00 **General Assembly (for INUS members only)**

Scientific programme | Friday 17 January 2025

17:00 – 18:00

Poster session 1

ROOM: ALE I

Session chairs: Howard Goldman, Stephanie Knüpfer, Gianluca Sampogna

Abstract title	Presenting Author
Early Diagnosis of Bladder Cancer in People with Neurogenic Lower Urinary Tract Dysfunction	Gianluca Sampogna
Factors Predicting Successful Sacral Neuromodulation: The Experience of a Tertiary Referral Center	Gianluca Sampogna
Temporal dynamics of urological management during acute spinal cord injury rehabilitation	Collene Anderson
Beyond the threshold: Sex differences in maximum storage detrusor pressures in patients with spinal cord injury	Veronika Birkhäuser
Assessment of sensory qualities of neobladders during storage phase and correlation to video-urodynamic parameters in patients after robotic-assisted radical cystectomy: a cohort Study	Katharina Böhrer
Intracellular and intercellular calcium signalling in the intact urothelium	Ashlee Caldwell
Bilateral pudendal nerve block reduces maximum urethral pressure in SCI patients with DESD	Christopher Chermansky
Correlations between fatigue, depression, and pathological urodynamic findings in people with multiple sclerosis	Stephanie Knüpfer
Diagnoses and treatment recommendations—interrater reliability of uroflowmetry in people with multiple sclerosis	Stephanie Knüpfer
Functional MRI in the lumbosacral spinal cord during electrical stimulation of the tibial nerve	Christian Kündig

Scientific programme | Friday 17 January 2025

17:00 – 18:00

Poster session 2

ROOM: ALE II + III

Session chairs: Daniel Engeler, Emmanuel Braschi, Neha Sihra

Abstract title	Presenting Author
An examination of SNM safety, effectiveness, and patient experience in treating overactive bladder and urinary retention	Gwen Gonzales
Development of Psychoeducation Tool for Clinicians' use after Diagnosing Chronic Idiopathic Urinary Retention (CIUR) / Fowler's Syndrome: a scoping review	Collette Haslam
Clinical and urodynamic benefit of adding antimuscarinics after a loss of efficacy of intradetrusor botulinum toxin in patients with multiple sclerosis. A retrospective study	Claire Hentzen
Midline Sacral Meningeal Cysts: correlation with pelvic sensory and visceral symptoms and neurophysiology findings	Claire Hentzen
Penk Neurons in Barrington's nucleus mediate sex-specific control of lower urinary tract function	Natalie Klymko
Decision making of healthcare workers when prescribing urinary catheters: a nationwide survey study	Coen Christiaans
The willingness of Dutch healthcare workers and patients to use a reusable catheter for the treatment of urinary retention: a nationwide survey study	Coen Christiaans
Patient satisfaction and Quality of Life in long-term urinary catheter users in the Netherlands: a nationwide survey study	Coen Christiaans
Decoding kidney function: evaluating arterial resistive index and cystatin C serum values in individuals with neurogenic lower urinary tract dysfunction	Jörg Krebs
Current concepts put to the test: the course of lower urinary tract dysfunction after spinal cord injury or disease	Jörg Krebs

Scientific programme | Friday 17 January 2025

17:00 – 18:00

Poster session 3

ROOM: RES I

Session chairs: Michael Kennelly, Oliver Gross, Sabrina De Cillis

Abstract title	Presenting Author
Is there a role of ambulatory urodynamics in Neuro-Urology?	Oliver Gross
Responder profile of spinal cord injury patients undergoing sacral neuromodulation	Martina Liechti
Role of dermatomal somatosensory evoked potentials (dSEPs) in confirmed cauda equina syndrome cases	Prasad Malladi
Normative values of S2, S3 and S4 dermatomal evoked potentials (dSEPs) in healthy controls	Prasad Malladi
Bacteriophage therapy plus fecal microbiota transplantation to treat recurrent urinary tract infection (rUTI): a case series	Shawna McCallin
Impact of urinary symptoms and sexual dysfunction in patients with neurogenic lower urinary tract dysfunction.	Laura Coretta Mejía-Rios
Surgical and Functional Outcomes Following Peno-Scrotal Flap Vaginoplasty in Transgender Women	Mirko Preto
Urological Outcomes of 5-Year-Old Patients Following Open Prenatal Spina Bifida Aperta Repair	Antonin Prouza
Refractory neurogenic bladder in Children and adolescents	Cristian Roberto Sager
Cystoplasty and complications in children under 18 years of age.	Cristian Roberto Sager

Scientific programme | Friday 17 January 2025

17:00 – 18:00

Poster session 4

ROOM: RES II

Session chairs: Enrico Finazzi Agrò, Jorge Moreno, Immer Noyola

Abstract title	Presenting Author
Minimal clinically important Difference for percutaneous nerve evaluation in overactive bladder: a preliminary analysis of a prospective cohort study	Dennis Frings
Comparison between urethral sphincterotomy and intra-sphincteric botulinum toxin A in the treatment of sphincteric dyssynergia in spinal cord injured patients	Enrico Ammirati
Urodynamic VS video-urodynamic evaluation in neurogenic bladder: which is the best diagnostic tool?	Enrico Ammirati
A novel catheter associated urinary tract infection (CAUTI) mouse model to study bladder dysfunction and pain.	Laura Schillebeeckx
Ice water test unmasks detrusor overactivity in apparently normal conventional cystometry	Lara Stächle
International standards to document remaining autonomic function after spinal cord injury (ISAFSCI) second edition: Reliability of the German version in relation to bladder, bowel, and sexual function in patients with SCI during the sub-acute phase	Matthias Walter
Neurogenic bladder symptom score (NBSS) before and after rehabilitation therapy with or without transcranial direct current stimulation (tDCS) in a randomized controlled clinical trial cohort	Glenn Werneburg
Innovations to resist catheter-related complications: bio-inspired zwitterionic surface treatment for indwelling catheters	Glenn Werneburg
Comparison of the effects of tissue engineering bladder enlargement and enterocystoplasty on the treatment of neurogenic bladder - a summary of single-center experience	Fan Zhang
Similar artefact susceptibility for water- and air-filled urodynamic systems: a non-inferiority randomized controlled trial	Lorenz Leitner

Scientific programme | Friday 17 January 2025

Non-discussion posters

Abstract title	Author (first)
Posterior Tibial Nerve Stimulation for the Treatment of Neurogenic Detrusor Underactivity in Multiple Sclerosis Patients: Insights from a Single-Center Experience	Nader Aldossary
Multidisciplinary Transition Of Adolescents With Spina Bifida	Cristian Sager
Case report: an unusual artefact observed during video-urodynamics	Katharina Böhler
Botulinum Toxin A Injections in Patients after Augmentation Cystoplasty or Total Bladder Replacement: A Literature Review	Beatrice Breu
Long-term functional outcomes of artificial urinary sphincter implantation for the treatment of stress urinary incontinence-a single-center experience of China	Fan Zhang
A case study of a male patient with detrusor overactivity (DO provoked by water running sound	Chiharu Shibata
Genital Numbness in demyelinating conditions: Multiple Sclerosis and Myelin Oligodendrocyte Antibody disease (MOGAD)	Sarah Wright
Pediatric Sacral Neuromodulation: Insights from a Single-Center Experience in patients with Lower Urinary Tract Dysfunction.	Nader Aldossary

Become part of the next generation
to explore the depths of the neuro-urology universe



Apply for the Swiss Continnence Foundation Award
until November 10, 2024, and compete for a prize of CHF 10'000

Scientific programme | Saturday 18 January 2025

08:00 - 09:00 **Spotlight session: Transgender - challenges for the neuro-urologist**

Session chair: Michael Kennelly

Discussion panel: Andrea Cocci, Annette Kuhn, Mirko Preto, Caroline Selai

Terminology & surgical techniques

M. Preto

LUT and sexual dysfunction after transgender surgery

A. Kuhn

09:00 – 09:45 **Spotlight session: Pregnancy in neuro-urological patients**

Session chair: Annette Kuhn

Discussion panel: Marcio Averbeck, Ruth Kirschner-Hermanns, Silvia Lai, Waltraut Merz, Jürgen Pannek

Challenges during pregnancy (the urologist's view)

J. Pannek

Challenges during pregnancy and delivery (the obstetrician's view)

W. Merz

09:45 – 10:15 **Coffee break**

Scientific programme | Saturday 18 January 2025

10:15 - 11:15 Panel discussion: Journey through the ages - from pediatric to geriatric care

Session chair: Todd Purves

Discussion panel: Karel Everaert, Silvia Lai, Antonin Prouza, Christian Sager

Focus areas in pediatric care of neuro-urological patients C. Sager

Focus areas in geriatric care of neuro-urological patients K. Everaert

11:15 - 12:00 Panel discussion (EAN & ICS): Red flags in neuro-urology & when to suspect a neurological cause of LUTD



Session chair: John Stoffel

Discussion panel: Alessandra Fanciulli, Claire Hentzen, Jorge Moreno, Jalesh Panicker, Sanjay Sinha, Jon Stone



The urologist's view S. Sinha (ICS)

The neurologist's view A. Fanciulli (EAN)

12:00 – 13:00 Lunch break

Scientific programme | Saturday 18 January 2025

13:00 – 15:00

The future in Neuro-Urology



Rising stars in the field will showcase their cutting-edge scientific discoveries, offering a glimpse into the future of neuro-urology, while competing for the prestigious **Swiss Continenence Foundation Award, with a prize of 10'000 Swiss francs.**

Check the QR-code for Application and awarding criteria



Session chair: Ulrich Mehnert

Award candidates: Mathijs de Rijk, Alice Giannotti, Michael Kleindorfer, Andrea Sartori
Federica Semproni

Award jury: Célia Cruz, Martina Liechti, Jalesh Panicker, John Stoffel,
Glenn Werneburg

15:00 – 15:45

State-of-the-art presentation (SIU & PACS): Surgical management of urinary incontinence



Session chair: Daniel Engeler

Discussion panel: Emmanuel Braschi, Helmut Madersbacher, Matthias Oelke, Blayne Welk

from open ...

H. Madersbacher (PACS)

... to nano

M. Oelke (SIU)



15:45 - 16:15

Tea break

Scientific programme | Saturday 18 January 2025

16:15 - 16:30 Overview on neuro-urology guidelines & presentation of new NEUROGED guideline

Existing guidelines on neuro-urology and their limitations
Summary of the working group meeting from 16 January 2025 Glenn Werneburg

New interdisciplinary NEUROGED guideline Jalesh Panicker

16:30 - 17:15 State-of-the-art presentation (EAUN & SIUD): Catheter use - curse or blessing?



Session chair: Stefania Musco

Discussion panel: Enrico Ammirati, Sarah Baumann, Bertil Blok, Michael Kennelly,
Stefano Terzoni, Pawan Vasudeva

The urologist's perspective E. Ammirati (SIUD)

The nurse's perspective S. Terzoni (EAUN)



Scientific programme | Saturday 18 January 2025

17:15 - 18:00 **Podium discussion (SBU & TAU): UTIs in the neuro-urological patient**



Session chair: Lorenz Leitner

Discussion panel: Murat Dinçer, Klaus Krogh, Shawna McCallin, Neha Sihra,
José Carlos Truzzi



Definition(s), epidemiology and antibiotic resistance

J. Truzzi (SBU)

Prophylaxis and treatment

M. Dinçer (TAU)

18:00 - 18:25 **Highlights of the poster sessions & poster awards**

Blayne Welk

18:25 – 18:30 **Concluding remarks**

Thomas Kessler

20:15 **Annual dinner**

limited seats, separate registration required, see page 46 for details

CME accreditation

The following CME credits will be granted:

Swiss Urology / Schweizerische Gesellschaft für Urologie (SGU): **22 credits**

European Accreditation Council for Continuing Medical Education (EACCME®): **17.5 credits**

Information regarding the conversion of EACCME® credits:

Credit will be converted based on one (1) hour of participation equalling one credit for all activities. Physicians wishing to convert EACCME® credits to AMA PRA Category 1 Credit™ will be required to access the AMA website at <https://edhub.amaassn.org/pages/applications> to obtain the necessary paperwork and instructions. Physicians and other health care professionals will be required to pay a processing fee to the AMA. For other countries, please contact the relevant national/regional accreditation authority.

Certificate of attendance

All participants of the INUS Congress will receive detailed instructions regarding the process for obtaining their Certificate of Attendance (CoA) and CME credits after the congress. Please note that completing an evaluation form will be a prerequisite for obtaining the CoA. CME credits will only be awarded for workshops/sessions that have been attended. This information will be sent via email to the address provided during registration.

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11th Congress of the
European Academy
of Neurology

Helsinki
2025

June 21 – 24

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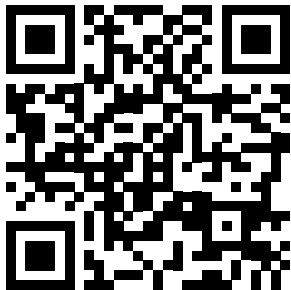
Neurology within society



Venue details

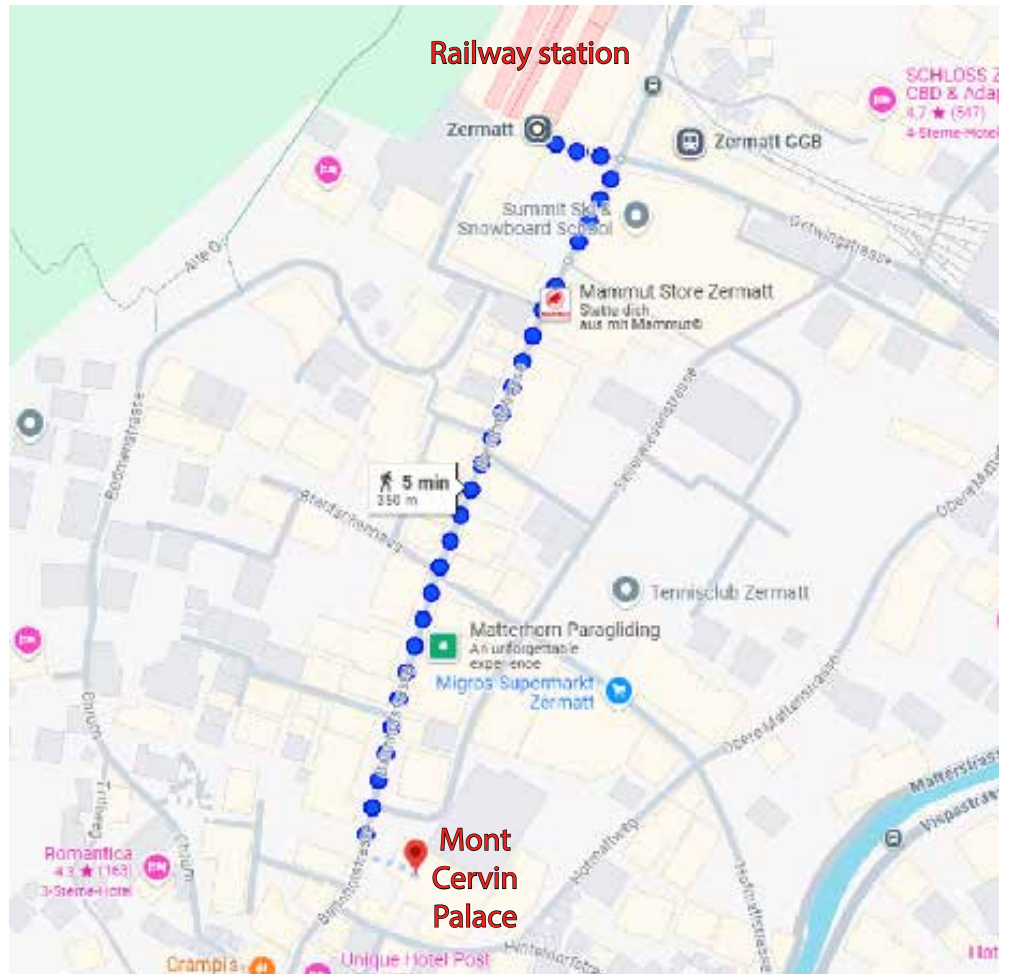
Venue

Mont Cervin Palace
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7.74706506729126



Directions



Car-free Zermatt can be reached by train, taxi or helicopter. Drivers park their private automobiles in a convenient parking garage in Täsch. Air travellers take the train directly from the airport and reach Zermatt in 3½ hours from Zurich-Kloten and in 4 hours from Geneva-Cointrin. Alternative: taxis, Glacier Express.

Trains run directly to car-free Zermatt. A trip to Zermatt by automobile ends 5 km away in Täsch. Then it continues by shuttle train or by taxi to the resort at the foot of the Matterhorn.

Please check <https://www.zermatt.ch/en/arrival> (QR-code on the top left) for further details and timetables.

Train connections and corresponding tickets can be conveniently purchased online via the Swiss Federal Railways (SBB) website: <https://www.sbb.ch/en> (QR-code in the bottom right).



Special events

Saturday 18 January 2025

20:15 **Annual dinner** at Mont Cervin Palace (with Swiss Continece Foundation Award ceremony)



Care Pathways Help Guide your Patients to Better Health

The care pathway enables you to provide a full journey of diagnostic through to therapeutic solutions for patients with lower urinary tract challenges. Laborie offers a variety of products throughout this care pathway, allowing you to more seamlessly guide patients to better urological health.



Evaluate

Diagnostics

- Portascan 3D™ Bladder Scanners
- Flowmaster Uroflowmeter
- Flowstar Uroflowmeter
- Urocap™ IV Uroflowmeter



1st Line

Behavioral Therapy

- Urostatym® Pelvic Floor rehabilitation



2nd Line

Medication

- Laborie does not currently have any pharmaceutical offerings.



Reasses

Advanced Diagnostics

- Aquarius® Family of Urodynamics Systems
- Nexam Pro Urodynamics System
- T-DOC® Air-Charged™ Urodynamics Catheters
- e-Sense® Electronic Urodynamics Catheters
- Fluid Filled Urodynamics Catheters



3rd Line

Advanced Therapies

- Urgent PC® PTNS Therapy
- InjeTAX® Cystoscopy Needles
- Macroplastique® Bulking Agent



Innovative
Technologies

- Optilume® Urethral Drug Coated Balloon

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