

Start	End	Topic	Speakers
16:00	16:30	Introduction	Hashim Hashim Emre Huri Laura Thomas Gianluca Sampogna Arun Sahai Salvador Arlandis Guzmán Diana Carolina Ochoa Vargas Beatrice Bouchard
16:30	17:30	Hands on Training	Hashim Hashim Emre Huri Laura Thomas Gianluca Sampogna Arun Sahai Salvador Arlandis Guzmán Diana Carolina Ochoa Vargas Beatrice Bouchard

Description

Over the past three decades, InterStim™ SNM therapy has revolutionized the treatment of functional urinary and fecal incontinence, propelled by major technological advancements, rigorous clinical research, and an unwavering commitment to patient-centric care.

The Sacral Neuromodulation (SNM) workshop will start with a general overview from the experts covering the current state of SNM therapy including the patient indications, clinical data, clinical guidelines, hospital set up needed for optimal therapy utilization, technology innovations covering new products (Sure Scan MRI safe leads and InterStim X) and the necessary patient follow-up. The delegates will then be divided into nine small groups of 2-3 delegates on each station and rotate after 20 minutes through insertion of percutaneous nerve evaluation leads station, advanced timed lead and battery implant station and programming. They will practice on pelvic models and there will be visual aids. Tips and tricks will also be discussed with the experts and at the end of the session.

The handout will be the paper published in Continence related to the workshop:

<https://www.sciencedirect.com/science/article/pii/S2772973724006386>

Purpose: This review is based on the International Continence Society (ICS) Workshop on Hands-On Sacral Neuromodulation (SNM)- Ideal Lead Placement presented at the Annual Congress in 2023. This workshop briefly reviewed appropriate patient selection, focused most of the time on hands on skills to teach appropriate needle and lead placement techniques. Six very experienced experts worked with attendees on lifelike models to teach them how to achieve lead placement efficiently and appropriately. Tips and tricks for getting the best responses were reviewed.

Materials and methods : The review follows the structure adopted by workshop, where SNM-Ideal Lead Placement is discussed in four sections: main/extended indications and ideal patient profile, sacral neuromodulation techniques included basic evaluation (PNE), advanced evaluation, ideal lead placement and novel technology. **Results:** The learning objectives were achieved at the end of the workshop. These were: understanding the role of sacral neuromodulation, recognize the latest technological developments, their clinical implications and getting the best outcome with SNM, stress the importance of patient selection process and current SNM indications, reviewing standard surgical technique for optimal lead placement and gain understanding of choices for recharge versus fixed battery (as well as use in neurological disease).

Conclusions: Hands-on training workshops on sacral neuromodulation is efficient training modules to ensure learning objectives for participants. Accurate needle/temporary lead placement, lead placement with permanent lead, smart programming with programmers are the main parts of hands-on training session with using realistic phantom and 3D printed models in workshop.

Aims of Workshop

Sacral neuromodulation is now standard treatment for patients with OAB, idiopathic retention and fecal incontinence who have failed conservative management. This workshop will briefly review appropriate patient selection but will then focus most of the

time on hands on skills to learn appropriate needle and lead placement techniques. Six very experienced experts will work with attendees on lifelike models to teach them how to achieve lead placement efficiently and appropriately. Tips and tricks for getting the best responses will be reviewed.

Educational Objectives

This is a practical hands-on workshop that will allow the participants to practice on pelvis models the different steps of performing sacral neuromodulation therapy including primary percutaneous nerve evaluation, advanced tined lead placement (using standardization technique), battery implantation and device programming and also troubleshooting.

Learning Objectives

1. Understand the role of sacral neuromodulation, recognize the latest technological developments, their clinical implications and getting the best outcome with SNM
2. Understand the patient selection process and current SNM indications
3. Review standard surgical technique for optimal lead placement and gain understanding of choices for recharge versus fixed battery (as well as use in neurological disease)

Target Audience

Urology, Urogynaecology and Female & Functional Urology, Bowel Dysfunction

Advanced/Basic

Intermediate

Suggested Learning before Workshop Attendance

Goldman HB, Lloyd JC, Noblett KL, et al. International Continence Society best practice statement for use of sacral neuromodulation. *Neurourology and Urodynamics*. 2018;1–26. <https://doi.org/10.1002/nau.23515>

Matzel KE, Chartier-Kastler E, Knowles CH, Lehur PA, Munoz-Duyos A, Ratto C et al (2017) Sacral Neuromodulation: Standardized Electrode Placement Technique. *Neuromodulation* 20(8):816–824

Neuromodulation special issue in Continence - <https://www.sciencedirect.com/special-issue/10B0X02DPW5>