

Start	End	Topic	Speakers
		Introduction: Brief history of neuromodulation and neurostimulation for sacral area dysfunctions	Michele Spinelli
		Safety and efficacy of new rechargeable systems for sacral neuromodulation	Philip Van Kerrebroeck
		Current evidence and latest technological achievements in sacral neuromodulation and sacral anterior root stimulation	Gianluca Sampogna
		Real data about emerging new approaches in neuromodulation and neurostimulation for sacral area dysfunctions	Philip Van Kerrebroeck
		Registered study protocols regarding chronic tibial neuromodulation and other innovative approaches to treat sacral area dysfunctions	Julien Renard
		Conclusions: What are the ideal systems and implantation methods?	Michele Spinelli
		Discussion	Michele Spinelli Philip Van Kerrebroeck Julien Renard Gianluca Sampogna

Aims of Workshop

The aim of the workshop is to explore and discuss the real aims of our efforts and the future directions of neuromodulation and neurostimulation to treat sacral area dysfunctions. To start with, the speakers will present an in-depth review of the state of the art concerning latest technological advancements in the field of sacral neuromodulation. Later, emerging new approaches, from pudendal nerve stimulation to chronic tibial neuromodulation, will be discussed rigorously to present available data and evidence from ongoing studies. At the conclusion, participants will know how to approach new systems of neuromodulation and neurostimulation for sacral area dysfunctions.

Learning Objectives

To improve the clinical outcomes through neuromodulation and neurostimulation in people affected by sacral area dysfunctions

Target Audience

Urology, Urogynaecology and Female & Functional Urology, Bowel Dysfunction, Pure and Applied Science, Conservative Management

Advanced/Basic

Advanced

Suggested Learning before Workshop Attendance

1. Blok B, Van Kerrebroeck P, de Wachter S, et al. Two-year safety and efficacy outcomes for the treatment of overactive bladder using a long-lived rechargeable sacral neuromodulation system. *Neurourol Urodyn*. 2020;39(4):1108-1114. doi: 10.1002/nau.24317.
2. Coolen RL, Groen J, Blok B. Electrical stimulation in the treatment of bladder dysfunction: technology update. *Med Devices (Auckl)*. 2019;12:337-345. doi: 10.2147/MDER.S179898.
3. De Wachter S, Knowles CH, Elterman DS, et al. New Technologies and Applications in Sacral Neuromodulation: An Update. *Adv Ther*. 2020;37(2):637-643. doi: 10.1007/s12325-019-01205-z.
4. Matzel KE, Chartier-Kastler E, Knowles CH, Lehur PA, Muñoz-Duyos A, Ratto C, Rydningen MB, Sørensen M, van Kerrebroeck P, de Wachter S. Sacral Neuromodulation: Standardized Electrode Placement Technique. *Neuromodulation*. 2017;20(8):816-824. doi: 10.1111/ner.12695.
5. Sampogna G, Montanari E, Spinelli M. Computer-Assisted Lead Placement for Peripheral Nerve Evaluation Test in a Candidate for Sacral Neuromodulation. *Int Neurourol J*. 2020;24(4):382-386. doi: 10.5213/inj.2040096.048.
6. Spinelli M, del Popolo G, Renard J, De Wachter S. (2019) Pudendal Neuromodulation. In: Liao L, Madersbacher H. (eds) *Neurourology*. Springer, Dordrecht. doi: 10.1007/978-94-017-7509-0_38.
7. Vollstedt A, Gilleran J. Update on Implantable PTNS Devices. *Curr Urol Rep*. 2020;21(7):28. doi: 10.1007/s11934-020-00980-5.