

W10: ICS Institute Modern Technology. Advances in Neurostimulation: Technology-Based Approach; Hands-On Training with 3D Printed Models

Workshop Chair: Emre HURI, Turkey
07 September 2022 11:00 - 14:30

Start	End	Topic	Speakers
11:00	11:15	INTRODUCTION AND SIMULATION-BASED STANDARD FUNCTIONAL UROLOGIC SURGERY CURRICULUM WITH 3D APPLICATIONS :EUROSOMT	Emre HURI
11:15	11:35	STANDARDISATION OF SACRAL NEUROSTIMULATION AND PUDENDAL NERVE STIMULATION	Martijn Smits
11:35	11:55	THE BEST TECHNOLOGICAL ADVANCES FOR CLINICAL SIDE OF SACRAL NEUROSTIMULATION: TECHNIQUES AND CLINICAL OUTCOMES	David Castro-Diaz
11:55	12:15	NOVAL TECHNOLOGICAL SIDE OF PERIPHERAL STIMULATION	John Heesakkers
12:15	12:30	STEP BY STEP SACRAL NEUROSTIMULATION METHOD ON LIVE/CADAVERIC/3D PRINTED MODELS- COMPARATIVE VIDEO PRESENTATION	Emre HURI
12:30	13:00	Break	None
13:00	13:15	Discussion	David Castro-Diaz
13:15	14:00	HANDS-ON TRAINING SESSION WITH 3D PRINTED MODELS: SNS AND TNS	Emre HURI David Castro-Diaz John Heesakkers

Aims of Workshop

The School of Modern Technology will work to deliver gold standard educational resources and project proposals in Modern Technology to ICS members through eLearning and work placements at international centres of excellence. The aims of workshop are: - talking on novel technological improvements related to neurostimulation procedures - increasing awareness of 3D medical printing and simulation modalities within the scope of neurostimulation - approach to refractory OAB and pelvic pain syndrome patient with using new technological instruments - discuss new technology on neurostimulation modalities.

The WS will conduct usage of 3D modelling and presurgical planning for Neurostimulation and get feedbacks from audiences

Educational Objectives

The participants will engage and interact the faculty with interactive discussion part and hands-on training session. The workshop will include important topics on sacral and peripheric stimulation. The aims of workshop are: - talking on novel technological improvements related to neurostimulation procedures - increasing awareness of 3D medical printing and simulation modalities within the scope of neurostimulation - approach to refractory OAB and pelvic pain syndrome patient with using new technological instruments - discuss new technology on neurostimulation modalities. The education will be translated into clinical practice with using 3D modeling technology and 3D printed SNS physical simulators

Learning Objectives

Neurostimulation technology

Target Audience

Urology, Bowel Dysfunction

Advanced/Basic

Intermediate

Suggested Learning before Workshop Attendance

www.eurosomt.com 3D modelling and 3D printing in functional urology: the future perspective.

Huri E, Mourad S, Bhide A, Digesu GA.

Int Urogynecol J. 2020 Oct;31(10):1977-1978. doi: 10.1007/s00192-020-04286-5. Epub 2020 Apr 2.