

Special Session: Innovation and Education in IOM

17.30-17.45 Continuous dynamic mapping with a suction device during brain tumor surgery
17.50-18.05 Continuous dynamic mapping with the ultrasonic surgical aspirator during brain tumor surgery
18.10-18.25 Continuous dynamic mapping with the ultrasonic surgical aspirator during spinal cord tumor surgery
18.30-18.45 Back to the future: New perspectives in teaching IONM in developing countries
18.50-19.20 Keynote Lecture 2: What young neurosurgeon should know about IOM? A perspective from the EANS Training Committee

Saturday December 16

7.45-9.00 Breakfast seminar I (How I do it)
BS1 Monitoring SEPs, MEPs and D-wave in spinal cord surgery
BS2 IONM assisted vestibular schwannoma surgery
BS3 Developing strategies to support global IOM
BS4 IONM assisted tethered cord surgery
BS5 IONM assisted brainstem surgery

Part II Innovations and controversies in spine and spinal cord surgery

9.05-9.25 What's new in IONM for pedicle screw and other spinal procedures
9.25-9.30 Discussion
9.30-9.50 Extramedullary spinal cord tumors: Reflections on more than 100 monitored cases
9.50-9.55 Discussion
9.55-10.15 Intramedullary spinal cord tumors: Myth and reality on D-wave monitoring
10.15-10.20 Discussion

10.50-11.10 Neuromonitoring in Spinal Cord Injury
11.10-11.30 New perspectives in monitoring spinal cord reflexes
11.30-11.45 Discussion
11.45-12.05 Tethered cord surgery: Dutch experience
12.05-12.25 Tethered cord surgery: Indian experience
12.25-12.35 Discussion

13.35-15.30 Round table discussion: Controversies and future perspectives in neuromonitoring (Training, Education, Medico legal aspects, ...)

15.30 Conclusions

Preliminary Faculty

M. Arraez (Spain)	G. Pinna (Italy)
L. Bello (Italy)	J. Prell (Germany)
A. Bizzi (Italy)	R. Quatrate (Italy)
S. Constantini (Israel)	A. Raabe (Switzerland)
P. Costa (Italy)	V. Rajshekhar (India)
V. Deletis (Croatia)	G. Ricciardi (Italy)
D. D'Avella (Italy)	F. Ringel (Germany)
V. Esposito (Italy)	F. Sala (Italy)
I. Fernandez-Conejero (Spain)	J. Sarnthein (Switzerland)
A. Gabarros (Spain)	S. Sarubbo (Italy)
S. Ho Hong (Korea)	M. Scerrati (Italy)
E. Hoving (Holland)	K. Seidel (Switzerland)
K. Kodama (Japan)	F. Servadei (Italy)
A. Korn (Israel)	J. Shils (USA)
K. Kothbauer (Switzerland)	M. Skrap (Italy)
G. Lo Russo (Italy)	F. Soto (Chile)
M. Malcharek (Germany)	G. Spena (Italy)
M. Meglio (Italy)	C. Strauss (Germany)
N. Morota (Japan)	A. Szelenyi (Germany)
A. Pasqualin (Italy)	F. Tomasello (Italy)
T. Picht (Germany)	

Registration Fees and Symposium Information

EANS / ISIN individual member standard fee - €400
Non-member standard fee - €450

The registration fee includes all coffee breaks and lunches throughout the symposium, as well as a networking dinner on Friday 15th December. Accommodation is not included in the registration fee.

Meeting Location

The scientific programme will take place at the University of Verona.

University of Verona, Polo Didattico Zanotto
Viale dell'Università 4, 37129 Verona, Italy

EANS: A professional community to enhance the quality of neurosurgical patient care through training, education and research.

We are a fast-growing, independent association, both of European neurosurgical societies and of individual neurosurgeons all over the world. Our aim is to enable our members to enhance the care they deliver to their patients by facilitating the exchange of scientific information at the highest level. In pursuit of this goal, we arrange a wide range of meetings, symposia and educational courses.



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

Intraoperative Neurophysiology in Neurosurgery: Innovation, Controversies, & Future Perspectives

14 - 16 December 2017
Verona, Italy

www.veronaneuromonitoring.com

www.eans.org





Dear friends and colleagues,

Following the successful first edition of this unique EANS Symposium, we are delighted to renew the invitation to join us in Verona at the end of this year for the Second Edition of "Intraoperative Neurophysiology in Neurosurgery".

Intraoperative Neurophysiology (ION) represents the quintessence of modern Neurosurgery, expanding the traditional concept of stereotactic and functional neurosurgery towards the broader view of neurophysiology-assisted Neurosurgery. Whilst the first edition of this meeting focused on "The Essentials" of ION, this year we will be addressing novel techniques, controversies and future perspectives.

In collaboration with the International Society of Intraoperative Neurophysiology and the Neuromonitoring Committee of the World Federation of Neurosurgical Societies, we will expand the discussion beyond Europe. A distinguished international Faculty will guide us in bridging neurosurgical and neurophysiological expertise.

Verona, the City of Love, is even more cheerful during the Holiday Season. From the Christkindlmarkt to the wonderful Comet Star across the Arena, everything is permeated by a unique, joyful atmosphere; the perfect place to meet old friends and new colleagues.

Looking forward to welcoming you to Verona,

Francesco Sala and Massimo Scerrati
(Congress Co-Chairs)

Local Scientific Committee:

Mario Meglio, Alberto Pasqualin, Giampietro Pinna

Preliminary Programme

Thursday December 14

8.15-8.30 Welcome and Introduction

Introduction to IONM

8.30-8.50 Safety in IONM
8.50-9.10 Anesthesia in IONM
9.10-9.20 Discussion

Functional presurgical mapping

9.20-9.40 Tractography
9.40-9.55 navigated TMS for motor localisation
9.55-10.10 navigated TMS for language localisation
10.10-10.30 motor and language fMRI
10.30-10.45 Discussion

SUPRATENTORIAL SURGERY Part I: Tumors

Motor areas: From bench to bedside

11.15-11.35 New frontiers in intraoperative electrophysiology of the motor system in humans
11.35-11.40 Discussion

Motor areas: Controversies in the operating room

11.40-12.00 Muscle MEP Monitoring and subcortical mapping: Warning sign hierarchy
12.00-12.15 Muscle MEP monitoring: Which threshold criteria should we use?
12.15-12.30 Subcortical mapping: How far are we?
12.30-12.45 Discussion
12.45- 13.00 Asleep versus awake: What we really do in the OR? A European survey

Language and cognitive areas: From bench to bedside

14.00-14.20 New insights from subcortical connectivity

Language and cognitive areas: Innovations and tricks of the trade in the operating room

14.20-14.40 Neuropsychological testing around the clock
14.40-15.00 Cortical language organization in multilingual patients undergoing awake brain mapping
15.00-15.15 Discussion
15.15-15.35 Monitoring and mapping visual pathways
15.35-15.40 Discussion

Part II Vascular

15.40-16.00 IONM in aneurysm clipping
16.00-16.15 IONM versus other monitoring tools during aneurysm surgery: A critical appraisal
16.15-16.30 Discussion
17.00-17.20 MEP warning criteria in spinal cord and brain surgeries: One size fits all?

Special Joint WFNS-ISIN Session

IONM in Neurosurgery: Challenges and perspectives around the world

17.20-17.30 India
17.30-17.40 Africa
17.40-17.50 South America
17.50-18.00 Korea
18.00-18.10 North America
18.10-18.20 Japan
18.20-18.30 Europe

18.30-19.00 Keynote Lecture 1: Global IONM in the context of global Neurosurgery

19.00-19.30 Round table discussion

Friday December 15

7.45-9.00 Breakfast seminar I (How I do it)

BS1 Monitoring and mapping in asleep surgery for brain tumors in motor areas

BS2 Insular glioma: Awake? Asleep?

BS3 IONM in epilepsy surgery

BS4 IONM in intramedullary spinal cord tumor surgery

BS5 How to establish awake surgery at your institution?

Part III Epilepsy

9.05-9.25 IONM in Epilepsy Lecture I

9.25-9.45 IONM in Epilepsy Lecture II

9.45-10.05 IONM in Epilepsy Lecture III

10.00-10.20 Discussion

POSTERIOR FOSSA SURGERY Part I: Techniques

10.50-11.10 Monitoring oculomotor cranial nerves

11.10-11.20 Free-running EMG for facial nerve monitoring

11.30-11.50 Corticobulbar MEPs

11.50-12.10 Mapping the brainstem

12.10-12.20 Discussion

Part II IONM assisted Surgery

12.20-12.40 Skull base surgery

12.40-13.00 Brainstem surgery

13.00-13.20 Vestibular Schwannoma

13.20-13.30 Discussion

SPINE AND SPINAL CORD SURGERY

Part I Monitoring and mapping the Spinal Cord

14.30-14.45 Dorsal column mapping

14.45-15.00 Motor mapping of the spinal cord: What are we really stimulating?

15.00-15.15 Discussion

15.15-15.30 Monitoring the bulbocavernosus reflex in tethered cord surgery

15.30-15.35 Discussion