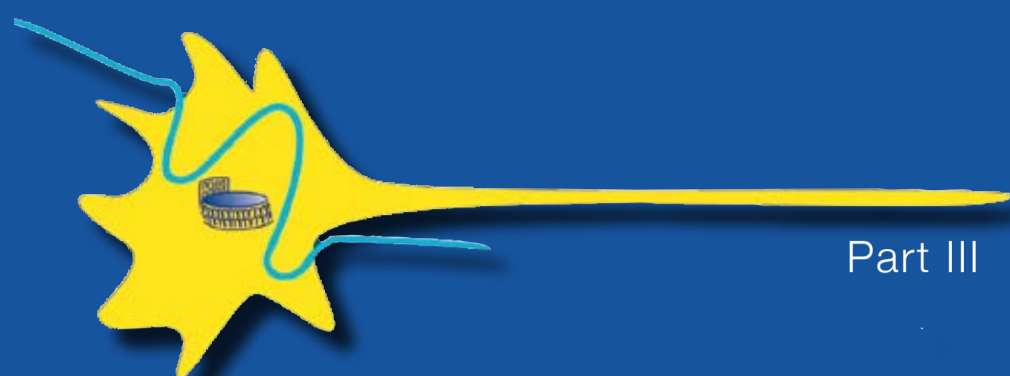




## CONGRESS PRESIDENTS

Franco Faccioli M.D.  
Massimo Gerosa M.D.  
Giampietro Pinna M.D.

# INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING IN NEUROSURGERY



Part III

# SPINE AND SPINAL CORD SURGERY

LAZISE (Verona, Italy)  
DOGANA VENETA

18 - 20 OCTOBER 2012

## ADVANCED PROGRAMME

### Thursday October 18: Surgery of the Conus-Cauda Region

#### 14.15-16.00 **Session I: Embryology and Neurophysiology**

Embryogenesis and surgical treatment of spinal dysraphic malformations (D. Pang)  
Intraoperative Neurophysiology of the lumbosacral system (V. Deletis)  
Neurophysiology of the bladder. Pre- and post-operative evaluation in tethered cords (D. Vodusek)

#### 16.30-18.30 **Session II: Surgery**

Intraoperative neurophysiological monitoring in surgery for spinal dysraphism. (D. Pang)  
The evolution of intraoperative neurophysiological mapping criteria to guide selective dorsal rhizotomy in cerebral palsy (R. Abbott)  
Free papers

### Friday October 19: Surgery of the Spine and the Spinal Cord

#### 8.00-11.00 **Session III: Neurophysiological techniques in spinal cord monitoring**

Anesthesia for intraoperative spinal cord neuromonitoring in adults and children (T. Sloan)  
Somatosensory evoked potentials: a different role in different surgeries? (D. MacDonald)  
Motor evoked potentials : monitoring and mapping the corticospinal tract (V. Deletis)  
EMG in spinal cord monitoring: What it adds to motor evoked potential monitoring? (S. Skinner)  
Round table discussion: which motor evoked potential criteria should be used?

#### 11.00-13.30 **Session IV: Extra-medullary Spine Surgery**

Surgery of the cranio-vertebral junction: An embryological perspective (D. Pang)  
Neuromonitoring in complex spinal surgery (S. Skinner)  
Neuromonitoring for minimally invasive pedicle screw placement (J. Shils)  
Neuromonitoring for intradural extramedullary lesions: Why not? (F. Servadei)  
Free papers

#### 14.30-16.50 **Session V: Spinal Cord Tumor Surgery**

Intramedullary spinal cord ependymomas: The role of neuromonitoring from the surgeon's side (R. Abbott)  
Intramedullary spinal cord astrocytomas: The role of neuromonitoring from the surgeon's side (S. Constantini)  
The value of intraoperative neurophysiology in spinal cord tumor surgery: Lucerne and New York experience (K. Kothbauer)  
The value of intraoperative neurophysiology in spinal cord tumor surgery: Verona experience (F. Sala)  
Round table discussion: Intraoperative neurophysiology in spinal cord tumor surgery: When to stop?  
The value of intraoperative neurophysiology in spinal and spinal cord surgery: an evidence and cost-effectiveness analysis (K. Kothbauer)  
Free papers

### Saturday October 20: Neuromonitoring: research and future perspectives

#### 8.15-11.30 **Session VI: Spinal cord injury**

Clinical and experimental research in acute spinal cord injury: A personal view on the role of Neurophysiology ? (W. Young)  
The acute phase of spinal cord injury: Electrophysiological and molecular insights from a Lab Model (A. Nistri)  
Intraoperative Neurophysiology in acute spinal cord injury: A clinical study (P. Costa)  
Intraoperatively recorded killed-end potential as a neurophysiological marker of complete SCI: Preliminary clinical evidence (F. Sala)  
How intraoperative neurophysiology can help a restorative neurology project for the injured spinal cord (M. Dimitrijevic)

#### 11.30-13.30 **Session VII: The future of neuromonitoring**

Remote monitoring and automated neuromonitoring systems: Where are we going in the United States? (S. Skinner)  
The need for training: a perspective from ASNM and ISIN (T. Sloan, J. Shils)  
Medico-legal aspects of intraoperative neuromonitoring: Where are we heading ? (S. Constantini)  
Conclusion

INTERNATIONAL SOCIETY OF  
INTRAOPERATIVE NEUROPHYSIOLOGY  
**EDUCATIONAL COURSE**  
CYCLE ONE - PART TWO: BRAIN

**ISIN**  
LAZISE (Verona, Italy)  
DOGANA VENETA

15 - 17 OCTOBER 2012



MORE INFORMATION:  
[www.veronaneuromonitoring2012.com](http://www.veronaneuromonitoring2012.com)

## AUSPICES



## PRELIMINARY FACULTY

Rick Abbott, New York, USA  
Albino Bricolo, Verona, Italy  
Shlomi Constantini, Tel-Aviv, Israel  
Paolo Costa, Turin, Italy  
Vedran Deletis, Split, Croatia  
Milan Dimitrijevic, Vienna, Austria  
Franco Faccioli, Verona, Italy  
Massimo Gerosa, Verona, Italy  
Karl Kothbauer, Lucerne, Switzerland  
David MacDonald, Riyadh, Saudi Arabia  
Andrea Nistri, Trieste, Italy  
Dachling Pang, Oakland, CA, USA  
Giampietro Pinna, Verona, Italy  
Rocco Quatralo, Mestre, Italy  
Francesco Sala, Verona, Italy  
Franco Servadei, Reggio Emilia, Italy  
Jay Shils, Burlington, MA, USA  
Stan Skinner, Minneapolis, MN, USA  
Tod Sloan, Denver, CO, USA  
David Vodusek, Ljubljana, Slovenia  
Wise Young, Rutgers, NJ, USA

MORE INFORMATION & REGISTRATION FORM: [www.veronaneuromonitoring2012.com](http://www.veronaneuromonitoring2012.com)



## SCIENTIFIC COMMITTEE

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Franco Faccioli, M.D.  
Antonio Fiaschi, M.D.  
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Paolo Manganotti, M.D.  
Giuseppe Moretto, M.D.  
Giampietro Pinna, M.D.  
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## ORGANIZING SECRETARIAT

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## MEETING VENUE

Dogana Veneta  
Piazzetta Partenio, 10  
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## ECM (CME)

Only for Italian participants CME accreditation will be requested to the Ministry of Health for a maximum of 150 among medical doctors (specialties: Neurosurgery, Anesthesia, Neurology, Neurophysiology, Orthopedics), Nurses and Neurophysiology Technicians