1st International Congress on Minimally Invasive NeuroSurgery

Florence, Italy
20-23 March 2012

www.ismins.org
PRE-CONGRESS INSTRUCTIONAL COURSE
9.30-12.30 / 14.00-17.00
ISMINS Instructional Course for Young Neurosurgeons

9.30-10.15 Endoscopy of the sellar and parasellar space
Engelbert Knosp (Austria)

10.15-11.00 Navigation of cerebral lesions
Stefan Wolfsberger (Austria)

11.00-11.45 Minimal invasiveness in the treatment of cerebral aneurysms: from coil to keyhole surgery
Andreas Gruber (Austria)

11.45-12.30 Endoscopic endonasal pituitary and / or skull base surgery
Matteo de Notaris (Spain)

14.00-14.45 Contemporary surgical management of prolapsed lumbar disc
Enrique Ferrer (Spain)

14.45-15.30 Neuronavigation guidance in lumbar surgery
Ramon Florensa (Spain)

15.30-16.15 Anterior versus posterior surgical approach in cervical spinal disc disease
Enrique Urculo (Spain)

16.15-17.00 Fundamentals in contemporary stereotactic surgery
Jordi Rumià (Spain)
SPONSORED INSTRUCTIONAL COURSES

8.30-11.00  Course A: Innovative tools and approaches for everyday neurosurgery  
(Sponsored by Medtronic)  
Chairman: Lucia Benvenuti (Italy)

11.30-13.30 Course B: Minimvasive lumbar posterior motion preservation  
(Sponsored by Cousin-Biotech)  
Chairman: Giancarlo Guizzardi (Italy)

14.30-16.30 Course C: Neuroendoscopy (1)  
(instruments supplied by Karl Storz)

17.00-19.00 Course D: Neuroendoscopy (2)  
(instruments supplied by Karl Storz)
### Plenary Symposium: CLIP OR COIL: WHICH IS MORE BENEFICIAL FOR CEREBRAL ANEURYSM

Chairmen: **Fernando Diaz** (USA), **Feng Ling** (China)

**Coiling**

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>9.00-9.10</td>
<td>Endovascular neurosurgery as a first line therapy for the treatment of cerebral aneurysms</td>
<td><strong>Yuichi Murayama</strong> (Japan)</td>
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<td>9.10-9.20</td>
<td>Endovascular treatment of PICA involving VA dissecting aneurysm</td>
<td><strong>Yong-Sam Shin</strong> (Korea)</td>
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<td>9.20-9.30</td>
<td>Intracranial endovascular reconstruction by endovascular neurosurgery</td>
<td><strong>Pedro Lylik</strong> (Argentina)</td>
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**Clipping**

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<tbody>
<tr>
<td>9.30-9.40</td>
<td>Clipping after coiling and coiling after clipping</td>
<td><strong>Atos Alves De Sousa</strong> (Brazil)</td>
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<tr>
<td>9.40-9.50</td>
<td>Surgical strategies for aneurysms when coiling carries higher risk</td>
<td><strong>Joshua Bederson</strong> (USA)</td>
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<td>9.50-10.00</td>
<td>Keyhole clipping surgery</td>
<td><strong>Kentaro Mori</strong> (Japan)</td>
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<td>10.00-10.10</td>
<td>Original artery reconstruction</td>
<td><strong>Hirotoshi Sano</strong> (Japan)</td>
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<td>10.10-10.30</td>
<td>Questions &amp; answers</td>
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<td>10.30-10.50</td>
<td>Break</td>
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**Sala Verde**

### Video Session

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<td>9.00-13.30</td>
<td>Video Session</td>
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10.50-12.40  Plenary Symposium
MINIMALLY INVASIVE APPROACHES TO THE DEGENERATIVE SPINE PATHOLOGY
Chairmen: Roberto Delfini (Italy), Marcos Masini (Brazil)

10.50-11.10  The concept of “minimally invasive” surgery of the spine degenerative disease
Michael Mayer (Germany)

11.10-11.25  Endoscopic approaches to the cervical spine: indications and results with 2 years of follow-up
Jean Destandau (France)

11.25-11.40  Endoscopic approaches to the thoracic spine: indications and late follow-up
Daniel Rosenthal (Germany)

11.40-11.55  Endoscopic approach for extremolateral and migrated hernias in lumbar spine
Enrique Osorio (Columbia)

11.55-12.15  Microsurgical vs. endoscopic approaches in the lumbar degenerative spine
Luca Papavero (Germany) vs Larry Teik-Man Khoo (USA)

12.15-12.30  Minimally invasive anterior approach to cervical OPLL using interbody cage fixation
Hiroshi Nakagawa (Japan)

12.30-12.40  Questions & answers

12.40-13.30  Lunch break

13.30-14.10  Invited Lectures

13.30-13.50  The birth of minimal invasive procedures for pituitary adenoma
Armando Basso (Argentina)

13.50-14.10  What does minimally invasive neurosurgery mean?
Peter Black (USA)
14.10-15.45  PARALLEL SESSIONS

Symposium
SURGICAL ANATOMY
Chairmen: Kazadi K.N. Kalangu (Zimbabwe), Yoko Kato (Japan)

14.10-14.25  Endoscope-assisted microneurosurgery: a new surgical point of view
Renato Galzio (Italy)

14.25-14.40  Muscles preservation in spine microsurgery
Pierre Rabischong (France)

14.40-14.55  Surgical anatomy for MIN: concept, approaches and clinical planning
Klaus Resch (Germany)

14.55-15.10  Anatomy of the mesial temporal lobe
Alvaro Campero (Argentina)

15.10-15.25  Anatomy of the orbit
Alvaro Campero (Argentina)

15.25-15.40  The use of a three-dimensional novel computer-based model for training and analysis of the endonasal endoscopic approach to the midline skull base. Anatomic considerations
Matteo de Notaris (Spain)

15.40-15.45  Questions & answers

SALA VERDE

Symposium
PEDIATRIC CRANIOPHARYNGIOMA
Chairmen: Armando Cama (Italy), Concezio Di Rocco (Italy)

14.10-14.30  Microsurgical approach for craniopharyngioma
Graciela Zuccaro (Argentina)

14.30-14.50  Keyhole approaches for pediatric craniopharyngioma
Charles Teo (Australia)

14.50-15.10  Controversies in the management of craniopharingioma
Maurice Choux (France)

15.10-15.30  Intracystic bleomycin treatment
Nelci Zanon (Brazil)

15.30-15.45  Questions & answers

15.45-16.00  Break
16.00-18.00  Oral Presentations

16.00-18.00  Oral Presentations

19.00-20.00  Opening Ceremony at the Palazzo Vecchio - Salone dei 500

and

Welcome Reception at the Cortile di Michelozzo
ADVANCED PROGRAMME

THURSDAY, 22 MARCH 2012
AUDITORIUM

8.30-10.10  Plenary Symposium
FUNCTIONAL AND STEREOTACTIC NEUROSURGERY
Chairmen: Giovanni Broggi (Italy), Yves Keravel (France)

8.30-8.40  “Off label” targets for brain neuromodulation
Angelo Franzini (Italy)

8.40-8.50  Dystonia surgery
Joachim Krauss (Germany)

8.50-9.00  Epilepsy surgery
Aesthetic preservation in temporal lobectomy
Vincenzo Esposito (Italy)

9.00-9.10  Neuromodulation (VNS-DBS)
Carlo Marras (Italy)

9.10-9.20  Ablative surgery
Giorgio Lorusso (Italy)

9.20-9.30  Cranial nerves neuralgia
Trigeminal neuralgia
Fabio Calbucci (Italy)

9.30-9.40  Cranial nerves compression syndromes
Marc Sindou (France)

9.40-10.10  Questions & answers

10.10-10.30  Break

SALA VERDE

9.00-13.20  Video Session
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| 10.30-12.30| Plenary Symposium NEUROENDOSCOPY  
Chairmen: Engelbert Knosp (Austria), Guillermo Fernández Molina (Argentina) |
| 10.30-10.45| General concepts of neuroendoscopy 
Luiz Carlos de Alencastro (Brazil) |
| 10.45-11.00| The Marburg Concept of Minimally Invasive Endoscopic Neurosurgery (MIEN) 1988-2008  
Dieter Hellwig (Germany) |
| 11.00-11.15| A shift in the algorithm in treatment of pituitary adenomas  
Charles Teo (Australia) |
| 11.15-11.30| Endoscopic treatment of cerebral cysts and tumors  
J. André Grotenhuis (The Netherlands) |
| 11.30-11.45| The extend approaches of skull-base tumors  
Paolo Cappabianca (Italy) |
| 11.45-12.00| Technical advances in endoscopic transsphenoidal surgery: the 3-D endoscope  
Nelson M. Oyesiku (USA) |
| 12.00-12.15| The role of endoscopy in vascular surgery  
Nikolai J. Hopf (Germany) |
| 12.15-12.30| Questions & answers |
| 12.30-13.20| Lunch break |
| 13.20-14.00| Invited Lectures |
| 13.20-13.40| Neuroimaging  
Anton Valavanis (Switzerland) |
| 13.40-14.00| Role of neuronavigated brain stimulation in planning minimally invasive neurosurgery  
Francesco Tomasello (Italy) |
14.00-15.45 PARALLEL SESSIONS  
Symposium  
RADIOSURGERY  
Chairmen: Laura Fariselli (Italy), Massimo Gerosa (Italy)

14.00-14.20 Changing perspectives in radiosurgery  
Massimo Gerosa (Italy)

14.20-14.40 Open problems in radiosurgery: from functional disease to acoustic NF2 neuromas  
Jean Régis (France)

14.40-15.00 AVM: embolisation, surgery and radiosurgery  
Shunya Hanakita (Japan)

15.00-15.40 Skull base meningiomas; from single shot to multisession radiosurgery  
Julio Antico (Argentina), Leopoldo Casentini (Italy)

15.40-15.45 Questions & answers

Symposium  
RECENT NEUROIMAGING MODALITIES  
Chairmen: Larry Khoo (USA), Fernando Ugarriza (Spain)

14.00-14.20 Stand up MRI  
Jean-Pierre Elsig (Switzerland)

14.20-14.40 Intraoperative MRI  
Rudolf Fahlbusch (Germany)

14.40-15.00 Multimodality visualization guided minimal invasive brain surgery  
Amir Samii (Germany)

15.00-15.20 Multimodal planning and navigation in neurosurgery  
Stefan Wolfsberger (Austria)

15.20-15.40 Fibertracking  
Charles Raybaud (Canada)

15.40-15.45 Questions & answers

15.45-16.00 Break  
AUDITORIUM

16.00-18.00 Oral Presentations  
SALA VERDE

16.00-18.00 Oral Presentations  
AUDITORIUM

18.00-19.00 General Assembly
8.30-10.20 Plenary Symposium
PERI-OPERATIVE MANAGEMENT AND COMPLICATIONS IN MINIMALLY INVASIVE NEUROSURGERY
Chairmen: Lucia Benvenuti (Italy), Enrique Ferrer (Spain)

8.30-8.45 Peri-operative management
Isabelle M. Germano (USA)

8.45-9.00 Prevention and treatment of infections
Cleopatra Charalampaki (Austria)

9.00-9.15 Leaking prevention and treatment
Nicola Desogus (Italy)

9.15-9.30 Prevention and treatment in vascular complications
Enrique Urculo (Spain)

9.30-9.45 Prevention of complications in spinal procedures
Davide Locatelli (Italy)

9.45-10.00 Complications of keyhole approaches
Harjinder Singh Bhatoe (India)

10.00-10.20 Questions & answers

10.20-10.40 Break

10.40-12.20 Plenary Symposium
TIPS AND PITFALLS IN MINIMALLY INVASIVE NEUROSURGERY
Chairmen: Armando Basso (Argentina), Francesco Tomasello (Italy)

10.40-10.55 Tips and pitfalls in minimally invasive neurosurgery
Jacques Brotchi (Belgium)

10.55-11.10 Endoscopic management of intracranial arachnoid cysts
Gianpiero Tamburrini (Italy)

11.10-11.25 Alternative approaches for mininvasive surgery of sellar and parasellar lesions
Paolo Ferroli (Italy)

11.25-11.40 Surgical treatment of brain stem hemangioblastoma: techniques and complications
Ying Mao (China)

11.40-11.55 The application of ICG videoangiography in cerebrovascular surgery
Yoko Kato (Japan)

11.55-12.20 Questions & answers

13.00-14.00 Lunch break
14.00-14.50 Invited Lectures

14.00-14.30 Evolution of neurological approaches: from maximum to minimal
Madjid Samii (Germany)

14.30-14.50 Endoscopic approaches to intraventricular cystic lesions
Sampath Somanna (India)

14.50-16.30 PARALLEL SESSIONS

Symposium
MININVASIVE APPROACHES FOR INTRADURAL EXTRAMEDULLARY TUMOURS
Chairmen: Gianpaolo Cantore (Italy), Junichi Mizuno (Japan)

14.50-15.10 Lecture
Minimal invasive approaches for intraspinal tumours: remembering
Axel Perneczky
Nikolai J. Hopf (Germany)

15.10-15.25 Mininvasive approaches for I.E.T. in cervical and thoracic spine
Feng Zeng Jian (China)

15.25-15.40 Minimum invasive surgery for CVJ ventral lesions through
postero-lateral approach
Kazutoshi Hida (Japan)

15.40-15.55 Minimally invasive surgery in intramedullar hemangioblastomas
Jacques Brotchi (Belgium)

15.55-16.10 The treatment of the “recurrences” in I.E.T.
Natale Francaviglia (Italy) vs Laura Fariselli (Italy)

16.10-16.30 Questions & answers
14.50-16.30 PARALLEL SESSIONS

Symposium
PERIPHERAL NERVE
Chairman: Alberto Alexandre (Italy), Indira Devi Bhagavatula (India)

14.50-15.05  Title to be defined
             Grazia Salimbeni (Italy)

15.05-15.20  New frontiers in facial nerve repair
             Stefano Ferraresi (Italy)

15.20-15.35  C5-C6 avulsive injuries of the brachial plexus: results of a new personal technique
             Stefano Ferraresi (Italy)

15.35-15.50  Open method of carpal tunnel decompression is also minimally invasive
             Indira Devi Bhagavatula (India)

15.50-16.05  Title to be defined
             Debora Garozzo (Italy)

16.05-16.30  Questions & answers
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