



CATTEDRA DI NEUROCHIRURGIA

Titolare prof. Luigi Ferrante

Roma International skull base and cerebrovascular workshop

Honorary President: Prof. Giampaolo Cantore (Pozzilli – ITA)

Presidents and Promoters of the Workshop: Prof. Takanori Fukushima (Raleigh, NC – USA)
Prof. Luigi Ferrante (Roma – ITA)

Scientific Committee: Prof. Alessandro Ducati (Torino – ITA) – Chairman
Prof. Luc De Waele (Ghent – Belgium)
Dr. Luciano Mastronardi (Roma – ITA)

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Kaoru Kurisu (Hiroshima, Japan)
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Rokuya Tanikawa (Abashiri, Japan)
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Imad Kanaan (Riyad, Saudi Arabia)
Nand Jha Ajaya (New Delhi, India)
Radley Mittal (Jaipur, India)

Italian Faculties:

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Albino Bricolo (Verona)
Fabio Calbucci (Bologna)
Giampaolo Cantore (Pozzilli)
Paolo Cappabianca (Napoli)
Massimo Collice (Milano)
Enrico De Divitiis (Napoli)
Roberto Delfini (Roma)
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Luigi Ferrante (Roma)
Bernardino Fraioli (Roma)
Renato Galzio (L'Aquila)
Miran Skrap (Udine)
Angelo Taborelli (Como)
Francesco Tomasello (Messina)

Dear Friends,

On behalf of the scientific committee I am very pleased and honored to welcome you to the International Cerebrovascular and Skull Base Workshop organized in Roma next June (19-22 June 2008). The promoter of this Meeting is a great Teacher of Neurosurgery and of Life, Prof. Takanori Fukushima, who prompted Prof. Luigi Ferrante, Prof. Alessandro Ducati, and me to organize this event 3 years ago. The honorary President of the Meeting is Prof. Giampaolo Cantore, a mentor of the Italian Neurosurgical Community. The workshop has the Patronage of the Italian Society of Neurosurgery (SINch).

The meeting program will be articulated in 2 days, with lectures on the state of the art and discussion on current opinions on cerebrovascular and skull base surgery by an outstanding International and Italian Faculty. Invited lectures, communications, videos, and posters will be considered. A pre-conference on the BrainSuite (19 June 2008) and a temporal bone dissection course (20 June 2008) in the Sant'Andrea Hospital will precede the workshop.

. We are particularly happy and proud about the great number of registrations from so many parts of the world. I hope this meeting will add another contribution in reducing cultural, political, religious, and linguistic or whatever barriers may exist between countries. It will be a wonderful occasion for all of us to intensify our feeling of belonging to one big family of active and enthusiastic neurosurgeons devoted to the best care of our patients and to the progress of our knowledge on cerebrovascular and skull base surgery.

As the organization of this unique event would not have been possible without the continuous help and effort of many people, I hereby wish to give them all my sincere respect and appreciation.

Finally, I recommend to all of you the special and unforgettable feelings of Rome, especially during the month of June. The Eternal City, "*Roma Caput Mundi*", is a unique city worldwide because of the completely opposite styles of art and life that manage to live side by side there: the Imperial and Baroque Rome, the sophisticated and working-class Rome is waiting for you...

I wish you a pleasant stay in Roma.

Luciano Mastronardi

Scientific Secretary

Roma International Cerebrovascular and Skull Base Workshop

Roma International skull base and cerebrovascular workshop

19th June 2008 – 8 a.m. ***Brainsuite demonstration: live surgery (Neurosurgical ward, 2nd floor, Ospedale Sant'Andrea, Roma)*** Via di Grottarossa 1035

20th June 2008 – 8 a.m. ***Temporal bone dissection course (Aula B, Ospedale Sant'Andrea, Roma)***
Via di Grottarossa 1035

- Special Guest: Prof. **Takanori Fukushima** (North Carolina, USA)
- Presidents of the course: Prof. Luigi Ferrante (Roma), Prof. Alessandro Ducati (Torino)
- Directors of the course: Dr. Luciano Mastronardi (Roma), Dr. Francesco Zenga (Como)
- Logistic organization: Neuromed (Torino), High Tech Screw (Roma)

PROGRAM

- 8 - 8.30 Registration of participants and introduction (Takanori Fukushima)
 - 8.30 **Mastoidectomy** (Takanori Fukushima, Yoichi Nonaka)
 - 9.00 Hands-on dissection
 - 12.30 Luncheon video seminar (Takanori Fukushima)
 - 13.30 Dissection technique of internal auditory canal (**inner petrosa**) (Francesco Zenga)
 - 13.45 Extradural **middle fossa** approach (Luciano Mastronardi)
 - 14.00 Hands-on dissection
 - 18.00 Cleaning of stations and adjourn
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For registration and hotel assistance contact Mrs Federica Nardi (federica.nardi@vastravel.it).

INFO: Luciano Mastronardi (mastro@tin.it) www.romecvsb.it

Roma International skull base and cerebrovascular workshop

21st June 2008 – Skull base lectures (Ambasciatori Hotel, Via V. Veneto 62, Roma)

8.00 Welcome address and workshop opening (Giampaolo Cantore – Honorary President)

8.10 Introduction and aims of the meeting (Takanori Fukushima)

8.20 SESSION I: Skull base approaches and techniques

Moderators: G. Cantore – T. Fukushima

1. Two step surgery for large intracranial tumors – L. De Waele (Ghent, Belgium)
2. Pterional approach and its extensions in vascular and neoplastic pathology management - F. Biroli (Bergamo, I)
3. Technique for removal of foramen magnum tumors – H. Bertalanffy (Zurich – Switzerland)
4. Skull Base Surgical Techniques for Giant Intracranial Aneurysms – A. Bernardo (NY, USA)
5. Endoscopic Endonasal Skull Base Surgery – P. Cappabianca (Napoli, I)
6. Open vs. expanded endoscopic approaches to the skull base: indications and limitations - F. Gentili (Toronto, Canada)
7. Microsurgical anatomy and clinical application of preservative petrosectomy for petroclival tumors – HK Kim (Daejeon, S. Korea)
8. Maxillary swing (zygomatico-maxillary osteotomy for skull base tumor) – R. Mittal (Jaipur – India)
9. Craniofacial resection for Malignancy of the Paranasal Sinuses – F. De Monte (Houston, USA)
10. Quantification of extended subtemporal approach to the basilar apex region – P. Spangenberg (Aachen – Germany)
11. Combined micro- and radiosurgical treatment for cranial base tumours – T. Mathiesen (Stockholm, Sweden)

Coffee break

10.40 SESSION II: Pituitary

Moderators: T. Kuroiwa – E. De Divitiis

1. Less Invasive endoscopic and microscopic pituitary surgery – K. Kurisu (Hiroshima, Japan)
2. Transsphenoidal or transcranial techniques for voluminous pituitary adenomas and non adenomatous supra-, retro- and latero-sellar tumours – B. Fraioli (Roma, I)
3. Endonasal versus Endoscopic Pituitary Surgery, a Swinging Pendulum – C. Rosen (Morgantown, USA)
4. Challenges in Management of Cushing disease - I. Kanaan (Riyad – Saudi Arabia)
5. Prolactin secreting pituitary adenomas – O. Voznyak (Kiev, Ukraine)

11.30 SESSION III: Chordomas

Moderators: F. Gentili – A. Ducati

Key Note speaker I: Takanori Fukushima presented by Alessandro Ducati

Radical resection of skull base chordomas: results in 100 cases – T. Fukushima (Raleigh – NC)

1. Chordomas of the Skull Base. Surgical Series and Molecular Predictors of Tumor Recurrence – G. Maira (Roma, I)
2. Clival chordomas – F. De Monte (Houston, USA)

12.10 SESSION IV: Miscellaneous 1

Moderators: L. De Waele – P. Cappabianca

1. Intraoperative MRI – rationale, indications and results – J. Ajaya (New Delhi – India)
2. Intraoperative imaging and navigation in skull base surgery – C. Nimsy (Erlangen, Germany)
3. Complication avoidance in SB surgery – R. Juul (Trondheim, Norway)
4. Correlation between latency and amplitude of peak V in the brainstem auditory evoked potentials during MVD operations – T. Hatayama (Aomori City, Japan)
5. Osteosynthesis and bone management in skull-base surgery – U. Spetzger (Karlsruhe, Germany)

Lunch (13.00 – 14.00)

14.00 SESSION IV: Miscellaneous 2

Moderators: H. Bertalanffy – A. Ducati

1. Microvascular decompression in posterior cranial fossa – F. Calbucci (Bologna, I)
2. Hemifacial Spasm Caused by Organic Lesions Other Than Neurovascular Compression – R. Taniguchi (Honolulu, USA)
3. A Safe Entry Zone Accessing the Midbrain – J. Zhong (Shanghai, China)
4. Venous reconstruction in meningioma surgery – R. Tanikawa (Abashiri, Japan)
5. Combined micro- and radiosurgical treatment for cranial base tumours – T. Mathiesen (Stockholm, Sweden)

15.00 Key Note speaker II: Toshihiko Kuroiwa (Osaka, Japan) presented by Takanori Fukushima
Surgery for anterior skull base tumors – T. Kuroiwa (Osaka, Japan)

15.20 SESSION V: Meningiomas 1

Moderators: T. Fukushima – F. Birolì

1. Current management of petroclival meningiomas – V. Seifert (Frankfurt, Germany)
2. Meningiomas of the internal third of sphenoid wing – F. Calbucci (Bologna, I)
3. Variation on Skull base approach for resection of anterior fossa/suprasellar Meningioma – I. Kanaan (Riyad – Saudi Arabia)
4. Surgical approaches to posterior skullbase meningiomas – RJ Galzio (L'Aquila, I)
5. Management of the Difficult Meningioma – W. Couldwell (Salt Lake City, USA)
6. Classification of CPA Meningiomas – C. Kim (Seoul, S. Korea)

Coffee/tea break

16.40 SESSION VI: Meningiomas 2

Moderators: V. Seifert – F. Calbucci

1. Endoscopic transnasal resection of anterior cranial base meningiomas – E. De Divitiis (Napoli, I)
2. Emergent craniotomy in the management of petroclival meningiomas – T. Kuroiwa (Osaka, Japan)
3. Giant petroclival meningiomas operated on by retrosigmoid approach – M. Skrap (Udine, I)
4. Endoscope-assisted microsurgical removal of skullbase meningiomas – H. Schroeder (Greifswald, Germani)
5. Giant sphenocavernous meningiomas – F. Tomasello (Messina, I)
6. Microsurgery of tuberculum sellae meningiomas using key-hole approach – G. Zapuhlii (Chisinau, Moldova)

18.00 Key Note speaker III: Bernard Gorge presented by Luc De Waele
Surgery in and around the jugular Foramen – B. George (Paris, France)

18.20 SESSION VII: Schwannomas

Moderators: B. George – RJ Galzio

1. Classification and treatment of trigeminal neurinomas – G. Alessi (Ghent, Belgium)
2. Trigeminal neurinomas – R. Delfini (Roma, I)
3. Facial Nerve –Genuclate Ganglion schwannoma – L. De Waele (Ghent, Belgium)
4. Microsurgical excision of vestibular schwannoma via retromastoid approach, clinical outcome and personal experience – A. Madawi (Suez Canal, Egypt)

18.50 Final Remarks

20.00 Guided visit of Capitoline Museums and official dinner on the Terrace Caffarelli with Concert of International Jazz Band

Roma International skull base and cerebrovascular workshop

22nd June 2008 – Cerebrovascular lectures (Ambasciatori Hotel, Via V. Veneto 62, Roma)

9.30 SESSION I: Therapeutic strategies

Moderators: V. Dolenc – F. Tomasello

1. Balloon occlusion test and occlusion of the Internal Carotid artery in aneurysms – B. George (Paris, France)
2. Cerebral aneurysms: the experience of a single institute on 450 cases – A. Ducati (Torino, I)
3. Consecutive aneurysms treated with embolization as first choice of treatment: Outcomes – Ajaya J (New Delhi, India)
4. Surgical strategies for supratentorial giant aneurysms – M. Collice (Milano, I)
5. Management of Asymptomatic Aneurysms: ISUIA Past, Present and the Future – F. Gentili (Toronto, Canada)
6. Intraoperative angio-MRI during aneurysm surgery – L. Ferrante (Roma, I)
7. Intradural exposure and clip-reconstruction techniques in complex & giant paraclinoid aneurysms V. Seifert (Frankfurt, Germany)
8. Carotid-ophtalmic aneurysms – R. Delfini (Roma, I)

11.00 Key note speaker I: Vinko Dolenc presented by Helmut Bertalanffy

Myths and Reality in Treatment of Intracranial Aneurysms – V. Dolenc (Ljubiana, Slovenia)

Coffee break

11.40 SESSION II: Surgical approaches and techniques

Moderators: H. Bertalanffy – A. Ducati

1. Skull base approaches for complex and giant vertebrobasilar aneurysms – RJ Galzio (L'Aquila, I)
2. Cavernous sinus manipulation for direct clipping of parasellar aneurysms – HK Kim (Daejeon, S. Korea)
3. Extra-intradural approach in the management of ophthalmic aneurysms – M. Sames (Prague, Czech Republic)
4. Endoscope-assistance in cerebrovascular surgery – H. Schroeder (Greifswald, Germany)
5. Less invasive cisternal approach preserving pial vessels and veins for cerebral aneurysms – R. Tanikawa (Abashiri, Japan)
6. Surgery for ruptured intracranial aneurysms without spatula: our experience in six years – A. Taborelli (Como, I)
7. Clipping of cerebral aneurysms in 2008 – R. Romani, J. Hernesniemi (Helsinki, Finland)

Lunch (13.00 – 14.15)

14.20 SESSION III: Revascularization

Moderators: P. Stieg – R. Delfini

1. The Göteborg experience of intracranial high-flow by-pass surgery with ELANA technique – K. Gatzinsky (Goteborg, Sweden)
2. Strategies for optimizing high flow Carotid Bypass of the Skull Base – W. Couldwell (Salt Lake City, USA)
3. Cerebral revascularization in the complex aneurysm treatment – Y. Mao (Shanghai, China)
4. Skull Base Bypass – Y. Nonaka (Raleigh, USA)
5. Changing Indications and Techniques of Vascular Bypass – C. Rosen (Morgantown, USA)
6. Indication protocol and outcome of EC-IC bypass for hemodynamic ischemia – M. Sames (Prague, Czech Republic)
7. Cerebrovascular reconstructions using arterial graft for cerebral aneurysms – R. Tanikawa (Abashiri, Japan)

15.30 Key note speaker III: Takanori Fukushima presented by Luc De Waele
[Vascular reconstruction for difficult - complex cerebrovascular skull base lesions – T. Fukushima \(Raleigh, USA\)](#)

16.00 DVD demonstration (T. Fukushima, H. Bertalanffy, R. Tanikawa) and *coffee/tea break*

17.00 SESSION IV: AVM & Cavernomas

Moderators: W. Couldwell – RJ Galzio

Key Note speaker IV: Helmut Bertalanffy presented by William Couldwell

[Management of brainstem cavernomas - H. Bertalanffy \(Zurich, Switzerland\)](#)

1. [Brain stem cavernomas – A. Bricolo \(Verona, I\)](#)
2. [Surgery for the cerebral AVM – K. Hongo \(Matsumoto, Japan\)](#)
3. [Team Approach for Intracranial AVMs – P. Stieg \(NY, USA\)](#)
4. [3-D ultrasound navigation with the Sonowand for AVM-surgery – T. Mathiesen \(Stockholm, Sweden\)](#)
5. [Surgical treatment of cavernoma in brain stem – ST Li \(Shanghai, China\)](#)

18.10 Final Remarks, closure of the meeting, and adjourn: T. Fukushima

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