

**INTERNATIONAL COURSE:  
STATE OF ART IN SURGERY OF MIDLINE TUMORS**

*Neurosurgical Laboratory, Dabit I  
Department of Neurosurgery and Gamma Knife Radiosurgery  
San Raffaele Scientific Institute, Vita-Salute University  
Chairman: Prof. P. Mortini, M.D.*

*Milan, Italy  
November 7-9, 2013*

**INTERNATIONAL FACULTY**

*M. Ammirati (Columbus, OH, USA)  
M. Buchfelder (Erlangen, Germany)  
A.J. Caputy (Washington, DC, USA)  
R. Delfini (Rome, Italy)  
D. Bresson (Paris, France)  
M. Reinert (Lugano, Switzerland)*

**LOCAL FACULTY**

*F. Bandello (Neuroophthalmology)  
L. Beretta (Neuroanesthesia)  
M. Bussi (ENT)  
F. Biglioli (Maxillo-facial surgery)  
S. Cappa (Neuropsychology)  
G. Comi (Neurophysiology)  
N. Di Muzio (Radiotherapy)  
C. Doglioni- M.Terreni (Neuropathology)  
A. Falini (Neuroradiology)  
M. Losa (Neuroendocrinology)  
M. Reni (Neurooncology)  
P. Mortini, L.R. Barzaghi, N. Boari, A. Franzin, F. Gagliardi, P. Picozzi  
(Neurosurgery)*

**COURSE DIRECTOR: PROF. P. MORTINI**

**THURSDAY 7<sup>TH</sup> NOVEMBER, 2013**

- 08:30-09:00 Registration  
09:00-09:10 Welcome and Introduction (*P. Mortini*)

**MIDLINE SKULL BASE TUMORS**

- 09:10-09:40 Surgical anatomy of midline skull base (*M. Ammirati*)  
09:40-10:10 Radiological anatomy of midline skull base (*A. Falini*)  
10:10-10:30 Pathology and differential diagnosis of midline skull base tumors  
(*C. Doglioni – M. Terreni*)

10:30-11:00 **Coffee break**

- 11:00-11:20 Malignancy of the anterior skull base (*M. Bussi*)  
11:20-11:40 Olfactory groove meningiomas (*A.J. Caputy*)  
11:40-12:00 Neuro-ophthalmological assessment (*F. Bandello*)  
12:00-12:20 Tuberculum sellae meningiomas (*P. Mortini*)  
12:20-12:40 Non-adenomatous sellar lesions (*M. Buchfelder*)  
12:40-13:00 Image-guided surgery in midline tumors (*M. Reinert*)

13:00-14:00 **Lunch**

- 14:00-14:20 Clival and petroclival meningiomas (*P. Mortini*)  
14:20-14:40 Skull base chordomas (*N. Boari*)  
14:40-15:00 Non-chordomatous clival lesions (*F. Gagliardi*)  
15:00-15:30 Tumours of the cranio-cervical junction (*R. Delfini*)  
15:30-16:00 Minimalistic approaches to cranio-vertebral junction extraaxial tumors (*M. Ammirati*)  
16:00-16:20 Neuro-anesthesia and intensive care (*L. Beretta*)

16:20-16:40 **Coffee break**

- 16:40-17:00 Role of radiosurgery (*A. Franzin*)  
17:00-17:20 Role of fractionated radiation therapies (*N. Di Muzio*)  
17:20-17:40 Reconstruction techniques in skull base surgery (*F. Biglioli*)  
17:40-18:00 Indications for EC-IC bypass in skull base surgery (*M. Reinert*)

**FRIDAY 8<sup>TH</sup> NOVEMBER, 2013**

***INTRA- AND EXTRA-AXIAL TUMORS OF MIDLINE INTRADURAL SPACE***

09:00-09:30 Surgical anatomy (*M. Ammirati*)  
09:30-10:00 Radiological anatomy and functional imaging (*A. Falini*)  
10:00-10:30 Pathology and differential diagnosis (*C. Doglioni – M. Terreni*)

10:30-11:00 ***Coffee break***

11:00-11:20 Neuro-endocrinological assessment (*M. Losa*)  
11:20-11:40 Neuro-physiological monitoring (*G. Comi*)

***Midline lesions***

11:40-12:00 Overview of midline intra-axial tumors (*M. Buchfelder*)  
12:00-12:30 Role of chemotherapy (*M. Reni*)  
12:30-12:50 Falcial meningiomas (*L.R. Barzaghi*)  
12:50-13:15 Brainstem cavernomas (*P. Mortini*)

13:15-14:00 ***Lunch***

***Tumours of the third and fourth ventricle***

14:00-14:30 Third ventricles and surrounding areas tumors (*P. Mortini*)  
14:30-14:50 Neuroendoscopy in intraventricular tumors (*A.J. Caputy*)  
14:50-15:10 Pineal region tumors (*D. Bresson*)  
15:10-15:30 Tumors of the fourth ventricles and of the bulbo-cervical junction (*P. Mortini*)  
15:30-16:00 Surgical approaches to the third and fourth ventricles (*M. Ammirati*)

16:00-16:30 ***Coffee break***

16:30-16:50 Role of stereotaxis and radiosurgery (*P. Picozzi*)  
16:50-17:10 Role of fractionated radiation therapies (*N. Di Muzio*)  
17:10-17:30 Neuro-psychological assessment (*S. Cappa*)

**SATURDAY 9<sup>TH</sup> NOVEMBER, 2012**

***HOW I DO IT SESSION***

***Techniques, Clinical Cases, Videos***

***08:30-10:30 Midline skull base tumors***

- Tuberculum sellae meningiomas
- Clival chordomas
- Clival and petroclival meningiomas
- CCJ meningiomas

***10:30-11:00 Coffee break***

***11:00-13:00 Intra- and extra-axial tumors of midline intradural space***

- Giant pituitary adenomas
- Craniopharyngiomas
- Brain stem cavernomas
- Bulbo-medullary tumors

***13:00-13:15 Conclusions and certificate delivery***