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ACKNOWLEDGMENTS



International Hands-On Dissection Course: Surgery of Sellar and Suprasellar Tumors

Milano, Italy
May 10th-12th, 2012

San Raffaele Scientific Institute, Vita-Salute University
Department of Neurosurgery and Gamma Knife Radiosurgery
Neurosurgical Laboratory

Course Director: Prof. PIETRO MORTINI

SCIENTIFIC PROGRAM

Thursday, May 10th, 2012

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

Sellar Region

09:10 Embriology of sellar and suprasellar region (V. Garcia-Martinez)
09:30 Surgical anatomy of the sellar region (P. Mortini)
09:50 Surgical anatomy of the nose and paranasal sinuses (M. Trimarchi)
10:10 Radiological anatomy (A. Falini)

10:30 **COFFEE BREAK**

Sellar Tumors

11:00 Pathology of sellar tumors (C. Doglioni/M. Terreni)
11:30 Endocrinological assessment of sellar tumors (E. Bosi)
12:00 Ophthalmological evaluation (F. Bandello)
12:30 Anesthesia and intensive care in sellar surgery (L. Beretta)

13:00 **LUNCH**

Pituitary Adenomas

14:00 Transsphenoidal microsurgical approach (P. Mortini)
14:20 Endoscopic endonasal approach (A. Caputy)
14:40 Transcranial approaches (N. Boari)
15:00 Intraoperative MRI in pituitary surgery (M. Buchfelder)

15:20 **COFFEE BREAK**

16:00 Recurrence of pituitary adenomas (M. Losa)
16:30 Radiosurgery (P. Picozzi)
17:00 Fractionated radiotherapy (A. Fodor)

17:30 Round table. The unanswered questions.

- Surgical techniques
- Intraoperative imaging
- Treatment strategies

M. Buchfelder, A.J. Caputy, E.H. Oldfield, P. Mortini

Friday, May 11th, 2012

Pituitary Adenomas Treatment

08:30 Non functioning tumors (P. Mortini)
08:45 PRL-secreting tumors - Medical aspects (L. Persani)
09:00 PRL-secreting tumors (M. Losa)
09:15 GH-secreting tumors - Medical aspects (A. Giustina)
09:30 GH-secreting tumors (M. Buchfelder)
09:45 ACTH-secreting tumors - Medical aspects (P. Loli)
10:00 ACTH-secreting tumors (E.H. Oldfield)
10:15 TSH-secreting tumors - Medical Aspects (P. Beck-Peccoz)
10:30 TSH-secreting tumors (M. Losa)

10:45 **COFFEE BREAK**

11:15 Surgical treatment of giant tumors (P. Mortini)
11:30 Management of aggressive tumors (M. Buchfelder)
11:45 Management of recurrent tumors (E.H. Oldfield)
12:00 Intracranial injectable tumor model for neurosurgical training (C. Gragnaniello/ F. Gagliardi)
12:10 Pituitary surgery: Faculty clinical cases and personal experience

13:15 **LUNCH**

Craniopharyngiomas

14:00 Embriology (V. Garcia-Martinez)
14:20 Regulation of tumor cell migration in craniopharyngiomas (M. Buchfelder)
14:40 Craniopharyngiomas clinical presentation (F. Cavagnini)
15:00 Transsphenoidal surgery (E.H. Oldfield)
15:20 Transcranial surgery (P. Mortini)

15:40 **COFFEE BREAK**

16:00 Post-operative management of electrolyte disorders (L.R. Barzaghi)
16:15 Stereotactic drainage and Gamma Knife Radiosurgery (A. Franzin)
16:30 Fractionated radiation therapy (A. Fodor)
16:45 Management of craniopharyngiomas in adults and children (P. Mortini)
17:00 Lessons from a national database: Kranionet experience (H. Müller)

17:45 Faculty clinical cases

Saturday, May 12th, 2012

HANDS-ON SESSION

Transsphenoidal surgery

09:00 Microsurgical transsphenoidal approach
09:30 Dissections by participants
11:00 Endoscopic endonasal approach
11:30 Dissections by participants

13:00 **LUNCH**

Transcranial surgery

14:00 Subfrontal approaches
14:30 Dissections by participants
16:00 Fronto-temporal approaches
16:30 Dissections by participants
18:00 Conclusions