ESSFN 3rd Hands-On-Course 2007
Radiosurgery
Marseille, France
November 12-14th, 2007.

Organized by
Jean Régis, Serge Blond, Marc Levivier,
Yves Lazorthes, Giovanni Broggi

Invited Faculty :
D. Benzil, F. Colombo, J. Dhaens, L.Fariselli, M. Gerosa, A. Kemeny, R.
Liscak, A. Muacevic, R. Wurm.

Scientific Committee :
Y. Lazorthes, G. Broggi, J. Krauss, B. Nuttin, D. Sakas,

Sponsors :
Accuray, Brainlab & Elekta
Monday

08h00 Welcome & Introduction       Y Lazorthes & J Régis

Basics
08h30 Technical principles of radiosurgery       Denis Porcheron
09h00 Basic of Radiobiology       Laura Fariselli
09h30 Histological changes       Andras Kemeny
10h00 Coffee Break

10h30 Imaging and quality contrôle       Marc Levivier
11h00 Dose delivery and quality contrôle with Gamma Knife       Denis Porcheron
11h15 Dose delivery and quality contrôle with Linac       Reinhard Wurm
11h30 Conformity selectivity and gradient indexes in GK       Marc Levivier
11h45 Conformity selectivity and gradient indexes in Linac       Reinhard Wurm
12h00 Discussion     Attendees
12h30 Lunch at the 13th floor « Restaurant l’Arc en Ciel »

14h00 Vestibular Schwannomas
Surgical Aspects (10min)       Yves Lazorthes
Doseplanning and clinical results (15min)       Jean Régis
Strategy, Combined approaches (15min)       Pierre Roche
Specificities of NFII (10min)
Fractionated treatments & Cancersgenesis Issue (10min)       Deborah Benzil
Discussion (30min)     Attendees

15h30 Coffee breack

16h00 Meningiomas
Surgical Aspects (5min)       Joachim Krauss
General principles (10min)       Serge Blond
Longitudinal Sinus (10min)       Reinhard Wurm
Cavernous Sinus & Paraoptic (15min)       Massimo Gerosa
Petroclival (10min)       Alexander Muacevic
Discussion (10min)     Attendees

17h00 Brief OverView of tomorrow cases
17h30 Closure for the day.
Tuesday

06h00 Frame Application, Imaging.

08h00 Breakfast

08h30 Group Hands On for Doseplanning on the three systems

09h30 Coffee break

09h45 Group Hands On for Doseplanning on the three systems

11h15 Coffee break

11h30 Group Hands On for Doseplanning on the three systems

12h30 Lunch at the 13th floor « Restaurant l’Arc en Ciel »

14h00 **Vascular**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Radiobiological aspects of AVM (10min)</td>
<td>Andras Kemeny</td>
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<tr>
<td>Angioarchitecture and targetting (10min)</td>
<td>Olivier Levrier</td>
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<tr>
<td>Results &amp; predictive factors (15min)</td>
<td>Roman Liscak</td>
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<tr>
<td>Large AVM indications, strategies (10min)</td>
<td>Jean D’Haens</td>
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<tr>
<td>Strategy &amp; Combined approaches (15min)</td>
<td>Federico Colombo</td>
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<tr>
<td>Discussion (20min)</td>
<td>Attendees</td>
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16h30 Coffee break

17h00 **Trigeminal Neuralgia**

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<tbody>
<tr>
<td>Surgical Aspects (5min)</td>
<td>Giovanni Broggi</td>
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<tr>
<td>Trigeminal Neuralgia Radiosurgery (15min)</td>
<td>Jean Régis</td>
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<tr>
<td>Discussion (10min)</td>
<td>Attendees</td>
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17h30 **Pituitary**

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<tr>
<td>Clinical aspects in secreting adenomas (10min)</td>
<td>Thierry Brue</td>
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<tr>
<td>Doseplanning in secreting and NS (10min)</td>
<td>Marc Levivier</td>
</tr>
<tr>
<td>Discussion (10min)</td>
<td>Attendees</td>
</tr>
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18h00 Brief OverView of tomorrow cases (15 min)

20h00 Dinner
Wednesday

06h00 Frame Application, Imaging.

08h00 Breakfast

08h30 Group Hands On for Doseplanning on the three systems

09h30 Coffee break

09h45 Group Hands On for Doseplanning on the three systems

11h15 Coffee break

11h30 Group Hands On for Doseplanning on the three systems

12h30 Lunch at the 13th floor « Restaurant l’Arc en Ciel »

14h00 **Brain Metastases**  
- Results & predictive factors (20min)  
- Role of WBRT (20min)  
- Strategy & patient selection. (20min)  
- Discussion (15min)  

**Malignancy**  
- Gliomas (10min)  
- Other CNS tumors (10min)  
- Ocular Tumors (10min)  
- Discussion (15min)  

15h15 **Malignancy**  
- Gliomas (10min)  
- Other CNS tumors (10min)  
- Ocular Tumors (10min)  
- Discussion (15min)  

16h00 Coffee break

16h30 **Spine**  
- Imaging aspects of spine radiosurgery (15 min)  
- Tolerance issue in spine radiosurgery (15min)  
- Clinical Results of spine radiosurgery (15min)  
- Discussion (15min)  

17h30 **Conclusion**: Where we were, are and may be in the futur.  
Closure by the President of the ESSFN.

18h00 Closure
3rd ESSFN HANDS-ON COURSE: RADIOSURGERY

Date: November 12-14, 2007
Location: Hôpital de La Timone, Department of Neurosurgery
          264, rue Saint-Pierre - 13385 Marseille - FRANCE

SCIENTIFIC PROGRAM

Theoretical Courses
- Principles, definitions and treatment modalities
- Radiological and fundamental data
- Dedicated systems: Leksell Gamma Knife, Novalis and Cyberknife
- Cranial applications (AVM, tumors and functional)
- Spinal applications

Hands-On
- Three parallel workshops on dedicated planning stations
- Instruction in algorithms for treatment planning

Intraoperative demonstration (in operative room and Gamma Unit Center)

ORGANIZATION

Organizing Committee: J. Régis, S. Blond, M. Levivier, Y. Lazorthes, G. Broggi
Invited Faculty: L. Farinelli, D. Benzil, F. Colombo, J. Dhaens, M. Gerosa,
                 A. Kemeny, R. Liscak, A. Muacevic, R. Wurm
Scientific Committee: Y. Lazorthes, G. Broggi, J. K. Krauss, B. Nuttin, D. Sakas,
                     and J. Régis, S. Blond, M. Levivier

REGISTRATION

Limited to 24 participants. The candidates should be young neurosurgeons who plan
to engage themselves in radiosurgery. The applicants must be ESSFN members or
apply for membership. They should send a letter of intent, a CV and a
recommendation letter by the head of the department or by another ESSFN member.

Applications must be sent before June 15, 2007 to:
Jean REGIS or Yves LAZORTHES
Radiosurgery Department
Hôpital La Timone
13385 Marseille - France

Expenses:
Inscription fees (including lunches) will be minimal (100 €)
A limited number of travelling and housing grants will be available.

Sponsors:
Accuray Brain Lab Elekta