

Toulouse, September 2005

The second ESSFN Hands-on course in Stereotactic and Functional Neurosurgery will be held on September 15-16, 2005.

**2th E.S.S.F.N. HANDS-ON COURSE
SURGERY FOR PAIN**

LOCALISATION: FACULTÉ DE MÉDECINE TOULOUSE-RANGUEIL

Plenary session : Bâtiment Administratif – Salle des Conférences

Workshops : - Laboratoire d'Anatomie – Salles de Travaux Pratiques A1
- Salles d'Enseignements Dirigés (1,3 et 4) A1 – 1er étage
- or Multimedia Room

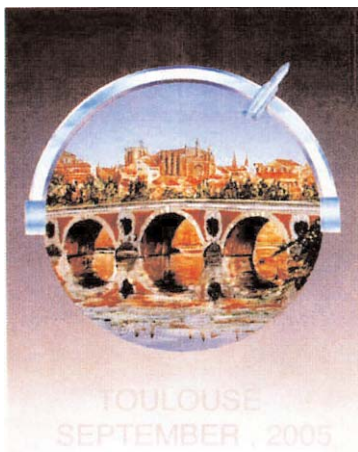
Lunch : Medical School Restaurant (RU III)

ORGANISATION:

Language: English

WORKSHOPS:

- | | |
|---|------|
| - Participants (n=30) 3 groups | 10x3 |
| - Humana Cadavers (n=6) | 2x3 |
| - Operative tables 7 Y rays (n=6) <Maquet> (Mr Lemauff) | 2x3 |
| - Operative microscope Zeiss + video camera (n=4) (microscope de table) | 2x3 |
| - Mobile X-ray fluoroscop GE (n=6) +2 to3 GE technicians GE | 2x3 |
| - RF generator Radionics (n=3) (Mr Mimart – Sophysa) | |
| - Neuronavigation Medtronic (1) (Eric Blondel) | |
| - Video-projecteur (U.Matic / VHS) (n=1) | |
| - Medtronic systems (neurostimulators, pumps) +4 to 6 technicians | |



SPECIFIC:

- Insurance for human cadaver manipulation
- Cortical stimulation (JP Nguyen)
- Phantom head with markers Medtronic
- Neuronavigateur Stealth station
- Video-projecteur (U.Matic / VHS)
- DREZ-otomy
- Cervical cordotomy (X-ray)
- Course assessment (Jean-Christophe Sol)

European Society for Stereotactic and Functional Neurosurgery

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CONFERENCES. :

PLENARY SESSION = Salle des Conférences (n = 200 places assies + 4 en chaire +5 latérales)

WORKSHOPS = Salles 1, 3 et 4 (Bâtiment Anatomie) (50 places)

SCIENTIFIC PROGRAMM

SEPTEMBER 15 (Thursday)

8 h 00 Plenary Session Salle de Conférences
Welcome (D.A. Bosh)
Presentation of the Course (Y. Lazorthes)

8 h 10 **CONFERENCES: MECHANISMS AND MANANGEMENT OF PAIN**

- Pathophysiology of chronic pain: fram basic science to treagment.
Didier Bouhassira (Paris) (60 min)
- General indications for pain sugery.
Consensus conferences on the Neurosurgical mangement of pain.
ves Lazrorthes (Toulouse) (20 min)
- Principles an classification fo the surgical procedures.
Ciovanni Broggi (Milan) (20 min)

10 h 00 Coffee Break

10 h 30 **WORKSHOP1 - ABLATIVE TECHNIQUES: PERCUTANEOUS SURGERY**

- 10h30 Principle and description of RF generators
(+ continous practical demostration)
- 10h45 Practical exercises on human cadavers (3groups: I-II-III)
Monitors:
 - A - S.Blond / G. Broggi
 - B - J.Kraus / Y.Lazorhtes / J.C. Verdié
 - C - Y.Kanpolat

A - GASSER/IX SPHENO
(RF, balloon, glycerol)

B - C2- RADICOTOMY
FACET post Branch

C - CERVICAL
CORDOTOMY

| | | | |
|---------|-----|-----|-----|
| 10 h 45 | I | II | III |
| 11 h 30 | III | I | II |
| 12 h 15 | II | III | I |

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13 h 00 Lunch (RU III)

14 h 00 PLENARY SESSION

< DORSAL ROOT ENTRY ZONE SURGERY: THE ANATOMICAL BASIS AND SURGICAL TECHNIQUES >
Marc Sindou (Lyon)

14 h 30 **WORKSHOP 2 - ABLATIVE TECHNIQUES: OPEN SURGERY**

Hands-on: microsurgical instruments

Practical exercises on human cadavers

Monitors: - A - G. Broggi / P. Ferroli / J. Krauss
- B - M. Sindou / ...
- C - S. Blond / Y. Kanpolat / ect...

Practical Exercises on human cadaves

A - C.P.A. Approach: V. IX
B - CERVICAL
DREZ - otomy

Demo on Video

C - INTERRUPTIVE
PAIN SURGERY
(Cordotomy, APC and V,
Drez-otomy, RF - coag...

| | | | |
|---------|-----|-----|-----|
| 14 h 30 | I | II | III |
| 15 h 30 | II | III | I |
| 16 h 30 | III | I | II |

17 h 30 Coffee Break

18 h 00 PLENARY SESSION - ROUND TABLE

< SURGICAL STRATEGY FOR ESSENTIAL TRIGEMINAL NEURALGIA >
(Discussion on clinical cases)

Moderator: Y. Lazorthes

Participants: S. Blond / A. Bosch / G. Broggi / Y. Kanpolat
J. Krauss / M. Sindou / J.C. Verdié

Programm: Discussion on clinical cases
Decision-making algorithm

SEPTEMBER 16 (Friday)

8 h 30 **PLENARY SESSION**
ELECTRICAL NEUROSTIMULATION FOR PAIN CONTROL
< THE MECHANISM OF ACTION >
Serge Blond (Lille)

9 h 00 **WORKSHOP 3 - NEUROSTIMULATION**

Hands-on: Electrodes, stereotaxy, image-guided brain surgery

Practical exercises on human cadavers

Demonstration on video

Monitors: - A - Yves Lazorthes / Jean-Christoph Sol / Jean-Claude Verdié
 - B - Jean-Paul Nguyen / Serge Blond
 - C - Giovanni Broggi / Joachim Krauss (Power + Video)

| | - A - EPIDURAL STIMULATION | - B - CORTICAL STIMULATIO | - C- DEEP BRAIN STIMULATIO |
|---------|-------------------------------|------------------------------|-------------------------------|
| 9 h 00 | I | II | III |
| 10 h 00 | II | III | I |
| 11 h 00 | ----- Coffe Break ----- | | |
| 11 h 30 | III | I | II |
| 13 h 00 | Lunch (RU III) | | |

14 h 00 **WORKSHOP4 - INTRATHECAL DRUGS and IMPLANTABLE DEVICES**

Hands-on: catheter, programmable pumps, neurostimulation devices ...

Demostration on Video.

Practical exercises on human cadavers.

Monitors: - A - Y. Lazorthes / J-Ch. Sol / J-Cl. Verdié
 - B - Medtronic Staff (3 or 4)
 - C - Medtronic Staff (3 or 4)

| | - A - INTRATHECAL CATHETERS | - B - PUMP PROGRAMMATION | - C - NEUROSTIMULATOR PROGRAMMATION |
|---------|---|--------------------------------|---|
| 14 h 00 | I | II | III |
| 14 h 30 | II | III | I |
| 15 h 00 | III | I | II |
| 15 h 30 | Coffee Break | | |
| 16 h 00 | PLENARY SESSION - ROUND TABLE <SURGICAL MANAGEMENT OF SEVERE NEUROPATHIC PAIN> | | |
| | Moderator: Serge Blond | | |
| | Participants: All Faculty | | |
| | Conclusion of the course (D. A. Bosch) | | |