

ESSFN Hands On Course Stereotactic & Functional Neurosurgery Fundamentals



30 OCTOBER - 1ST NOVEMBER, 2017
HOTEL AULAC - LAUSANNE, Switzerland



BASICS OF STEREOTACTIC AND FUNCTIONAL NEUROSURGERY AND BASIC RESEARCH

ORGANIZED BY THE EDUCATIONAL COMMITTEE OF THE ESSFN: Jean Régis (France), Jocelyne Bloch (Switzerland), Stephan Chabardes (France), Angelo Franzini (Italy), Jorge Guridi (Spain), Joachim Krauss (Germany), Massimo Sceratti (Italy), Gaston Schechtman (Sweden), Ludvik Zrinzo (UK)

INVITED FACULTY: David Benninger (Switzerland), Jocelyne Bloch (Switzerland), Stephan Chabardes (France), Laura Cif (France), Bogdan Draganski (Switzerland), Antonio Goncalvez Ferreira (Portugal), Jorge Guridi (Spain), Marwan Hariz (UK), Elena Jiltsova (Sweden), Jean-François Knebel (Switzerland), Joachim Krauss (Germany), Eduardo Martin Moraud (Switzerland), Etienne Pralong (Switzerland), Jean Régis (France), Damianos Sakas (Greece), Gaston Schechtmann (Sweden)

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BASICS OF STEREOTACTIC AND FUNCTIONAL NEUROSURGERY AND BASIC RESEARCH
LAUSANNE 30 OCTOBER-1 NOVEMBER 2017 HOTEL AULAC

DAY 1 **MONDAY 30 OCTOBER 2017**

BASICS OF STEREOTACTIC AND FUNCTIONAL NEUROSURGERY

- 08:00-08:10** Introduction of the course. *J. Bloch*
- 08:10-08:30** Introduction of ESSFN its history and mission. *D. Sakas*
- 08:30-08:50** Insights of the first neurosurgeon having completed the ESSFN hands on training course. *E. Jiltsova*
- 08:50-09:15** PRECOURSE EVALUATION
- 09:15-09:45** History & definition of Stereotaxis. *J. Regis*
- 09:45-10:15** Stereotaxis and calculations in the stereotactic space. *A. Goncalvez Ferreira*
- 10:15-10:45** COFFEE BREAK
- 10:45-11:15** Atlases (printed and probalistic) historical aspects, principles & guidelines. *J. Krauss*
- 11:15-11:45** The main stereotactic systems and frames. *J. Krauss*
- 11:45-12:45** Hands On with sponsors  
- 12:45-13:45** LUNCH
- 13:45-14:15** Undirect targeting in stereotaxis. *S. Chabardes*
- 14:15-15:00** Imaging, technical aspects, CT, angio, morphological MR, tractography, Functional MR. *B. Draganski*
- 15:00-15:30** Stereotactic Imaging. *M. Hariz*
- 15:30-16:00** COFFEE BREAK
- 16:00-16:30** Stereotactic and functional anatomy of the STN. *J. Guridi*
- 16:30-17:00** Stereotactic and functional anatomy of the GPi. *L. Cif*
- 17:00-17:30** Stereotactic and functional anatomy of the thalamus. *A. Goncalvez Ferreira*
- 17:30-18:00** WRAP UP DAY 1

FACULTY DINNER

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DAY 2

TUESDAY 31 OCTOBER 2017

BASICS OF STEREOTACTIC AND FUNCTIONAL NEUROSURGERY AND BASIC RESEARCH

- 08:00-08:30** Precision accuracy and quality control in stereotaxis. *J. Regis*
- 08:30-09:00** Mechanisms of action of electrical stimulation Lausanne. *E. Martin Moraud*
- 09:00-09:45** Neurophysiological mapping & microrecording. *E. Pralong*
- 09:45-10:15** COFFEE BREAK
- 10:15-10:45** TMS. *D. Benninger*
- 10:45-11:30** Lesions, different techniques. *M. Hariz, J. Regis*
- 11:30-12:00** Stereotactic biopsies, techniques, pathology. *G. Schechtmann*
- 12:00-13:30** LUNCH
- 13:30-14:00** Hands On with sponsors  **Elekt**
- 14:00-14:20** How to start research. *J. Bloch*
- 14:20-14:40** How to find financial resources. *J. Bloch*
- 14:40-15:10** COFFEE BREAK
- 15:10-15:40** How to write a manuscript. *J. Regis*
- 15:40:16:10** How to review a manuscript. *G. Schechtmann*
- 16:10-16:40** Hands On with sponsors  **Medtronic**
Further, Together
- 16:40-17:10** WRAP UP DAY 2

TRAINEES AND
FACULTY DINNER AT L'EVÊCHÉ



DAY 3

WEDNESDAY 1 NOVEMBER 2017

BASIC RESEARCH

- 08:00-09:00** **Statistics: how to read most popular stats.** *JF. Knebel*
- 09:00-10:00** **Critical reading and discussion (interactive).** *JF. Knebel*
- 10:00-10:30** *COFFEE BREAK*
- 10:30-11:30** - **How to design a project**
- **Pilot study: when and how, limits**
- **Phase 2 studies: sampling, designs (double blind, placebo, etc)**
- **Multi centric studies.** *S. Chabardes*
- 11:30** **POST COURSE EVALUATION**
- 12:15** *LUNCH*

<http://essfntrainingcourse.mcocongres.com>

WE WOULD LIKE TO THANK OUR SPONSORS FOR THEIR SUPPORT :

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