

**ESSFN HANDS ON COURSE MARSEILLE 31 OCTOBER – 1 NOVEMBER 2022**
BASICS OF STEROTACTIC AND FUNCTIONAL NEUROSURGERY**FACULTY***Harith Akram**Patric Blomstedt**Laura Cif**Lórand Eross**Alexandre Eusebio**António José Gonçalves Ferreira**Marwan Hariz**Joachim K. Krauss**Jean Regis**Rick Schuurman***DAY 1 - MONDAY 31 OCTOBER**08.00-08.10 *Welcome to Marseille.**J. Regis*

08.10-08.30 Introduction of ESSFN and the hands on course cycle.

A. Goncalvez

08.30-08.40 Introduction of the course.

P. Blomstedt

08.40-09.10 The history of stereotactic & functional neurosurgery.

P. Blomstedt

09.10-09.40 Development and definition of Stereotaxis.

*J. Regis***09.40-09.55 COFFEE BREAK****09.55-10.25 Boston Scientific Workshop**

10.25-10.45 Stereotaxis & calculations in the stereotactic space.

P. Blomstedt

10.45-11.10 Atlases

J.K. Krauss

11.10-11.40 Stereotactic systems and frames.

L. Eross

11.40-12.00 How to mount a stereotactic frame.

*P. Blomstedt***12.00-12.45 LUNCH****12.45-13.15 Abbott workshop**

13.15-13.30 Manual calculation of stereotactic coordinates

M. Hariz

13.30-13.45 Navigation systems.

L. Eross

13.45-14.00 Choosing a trajectory through the brain

R. Schuurman

14.00-14.45 Anatomy of the thalamus & basal ganglia.

L. Cif

ESSFN Hands On Courses

BASICS



October 31st & November 1st 2022,
Marseille, France

essfn European Society for
Stereotactic and Functional Neurosurgery



14.45-15.00 COFFEE BREAK

Medtronic
Further Together

15.00-15.30 Medtronic workshop

15.30-16.00 Atlas based targeting.

J.K. Krauss

16.00-16.30 Visual anatomical targeting.

P. Blomstedt

16.30-17.00 Precision, accuracy & quality control in stereotaxis.

J. Regis

17.00-17.20 What sequence for what target

H. Akram

17.20-17.40 Diffusion imaging & tractography technic, limits

H. Akram

17.40-18.00 Introduction to the main targets...

GPi, VIM, STN, subthalamic area...

J. Regis

18.00-18.30 Intraoperative clinical & electrophysiological evaluations. *A. Eusebio*

 BRAINLAB

18h30-19h00 BrainLab Workshop

19h00 Dinner "Cave De Baille" (Walking distance from the hospital)

**DAY 2 – TUESDAY 1 NOVEMBER**

08.00-08.30

08.00-08.30 Perioperative stereotactic imaging

M. Hariz

08.30-09.00 DBS - mechanisms of action.

P. Blomstedt

09.00-09.30 Stereotactic biopsies.

*L. Eross***09.30-09.45 COFFEE BREAK****09.45-10.15 Workshop Elekta**

10.15-10.45 An overview of lesional techniques

J. Regis

10.45-11.15 How to perform a RF lesion

M. Hariz

11.15-11.45 How to implant a DBS system

P. Blomstedt

11.45-12.00 How to change a neuropacemaker

*P. Blomstedt***12.00-12.45 LUNCH**

Advancing science for life™

**12.45-13.45 Workshop Boston Scientific & Brainlab**

13.45-14.10 The main targets for movement disorders.

*J.K. Krauss*14.10-14.35 The main targets for psychiatric disorders
and other indications.*R. Schuurman*

14.35-14.50 The main targets for pain surgery

J. Régis

14.50-15h05 The main targets for epilepsy surgery.

A. Goncalves

15.05-15.30 Ethics

*M. Hariz***15.30-15.45 COFFEE BREAK**

15.45-16.30 Exam

16.30-16.45 Closing remarks.

P. Blomstedt, J. Regis

ESSFN Hands On Courses

BASICS



October 31st & November 1st 2022,
Marseille, France

essfn European Society for
Stereotactic and Functional Neurosurgery



**WE WOULD LIKE TO THANK THE COURSE PARTNERS
FOR THEIR SUPPORT**



**Boston
Scientific**

Advancing science for life™



Medtronic

Further, Together