

# Treatment of Severe Spasticity with ITB Therapy

A course for implanters

October 27 and 28, 2017

Lisbon, Portugal



## Course Director

Prof. Antonio Gonçalves-Ferreira

## Faculty

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## Preliminary agenda

Published: July 11, 2017

## Day 1

Venue: Hospital De Santa Maria

### 8:30 **Welcome & course introduction - Prof. Gonçalves-Ferreira**

*Welcome to the course, ECMT introduction video, hospital de Santa Maria presentation, objectives of the course, agenda of the course, presentation of course participants*

### 9:00 **General overview on the neurophysiology and clinical management of spasticity**

**Prof. Gonçalves-Ferreira**

*Neuropathophysiology of spasticity, Etiology of spasticity (SCI, TBI, CP, Stroke), Treatment options for spasticity, Multidisciplinary approach to spasticity management*

### 9:30 **Introduction to intrathecal drug delivery therapy for the treatment of severe spasticity**

**Dr. Campos**

*What is ITB therapy? Phases of this therapy (patient identification, trialing, implant, chronic management), Benefits and risks, Main clinical evidence about the efficacy and the cost-effectiveness*

### 10:00 **Intrathecal drug delivery therapy in paediatric population - Dra. Reizinho**

10:30 Coffee break

### 11:00 **Patient selection, a crucial stage towards therapeutic success - Dra. Lopes**

*Patient selection criteria, Patient assessment (muscle tone, spasms, pain, quality of life, functional independence), Discussing treatment objectives with the patients and caregivers, Patient and caregivers education*

### 12:00 **Screening test, how to confirm if a patient is a suitable candidate? - Dr. Campos**

*Overview of the screening test procedure (algorithm), Key tasks prior to the screening test (concomitant medication, goals of the screening test, patient and caregivers education), Bolus injection dosage*

13:00 Lunch

### 14:00 **Implantation of the infusion system - Dr. Campos**

*Overview of the infusion system components, Overview of the infusion system implant procedure (video), Preoperative tasks (determination of the initial dose, identification of the most appropriate pump pocket site), Postoperative care, Particularities of the pump replacement procedure*

16:00 Coffee break

### 16:30 **Therapy optimization and maintenance - Dra. Lopes**

*Drug dosing and titration (initial dose, titration period, maintenance period), Concomitant conventional treatments (physical therapy, orthoses, oral medication, botulinum toxin), How to refill the pump, Potential adverse effects (drug related, procedure related, system related and other), Suggested treatments for drug overdose and underdose or withdrawal, Troubleshooting system complications*

18:00 End of program day 1

20:00 Group dinner

## Day 2

Venue: Hospital De Santa Maria

- 9:00 **Review of useful landmarks for the implantation of the catheter - Prof. Gonçalves-Ferreira, Dr. Campos, Dra. Reizinho, Dr. Brás**  
*Review of the paramedian approach, Using fluoroscopy to reach the intrathecal space*
- 10:30 **Lab hands-on workshop: implant procedure - Prof. Gonçalves-Ferreira, Dr. Campos, Dra. Reizinho, Dr. Brás**  
*Practicing catheter implantation procedure, Tunneling toward the pump implant side, Pump implant*
- Parallel workshop: refill and programming - Dra. Lopes**  
*Best practices in pump refill, Avoiding complications*
- 12:30 **Final questions and answers - All**
- 13:00 Lunch
- 14:00 End of program