

#### Course Director

- Dr. Isaac Peña  
Sevilla, Spain

#### Faculty

- Dr. Astrid Adarmes Gomez  
Sevilla, Spain
- Dr. Francisco Arteaga  
Sevilla, Spain
- Dr. Gregor Bara  
Düsseldorf, Germany
- Dr. Jesús Benito  
Badalona, Spain
- Dr. Erkan Kurt  
Nijmegen, The Netherlands
- Dr. Fabian Piedimonte  
(virtual)  
Buenos Aires, Argentina
- Dr. Elke Pucks-Faes  
Hochzirl, Austria

#### Target audience

Specialists involved in the treatment of Severe Spasticity, Chronic & Cancer Pain with limited experience in Targeted Drug Delivery therapy

- Neurosurgeons
- Paediatric neurosurgeons
- Anaesthesiologists/Pain Management physicians

#### Accreditation

An application for accreditation has been submitted with RIZIV in Belgium  
September 15: ID 23015950  
September 16: ID 23015952

#### Venue FRIDAY

Instituto de Biomedicina de Sevilla – IBiS  
Campus Hospital Universitario Virgen del Rocío  
Av. Manuel Siurot, S/n  
41013 Sevilla, Spain

#### On-site assistance

Tamara Franssen  
+31 6 18099653

## Treatment of Severe Spasticity, Chronic & Cancer Pain with Targeted Drug Delivery therapy

### Fundamental training program for implanting physicians

**September 15 and 16, 2023**

Course objectives are to ensure implanters are confident with Targeted Drug Delivery therapy, pump implant technique and can perform an implant independently. The course will cover all steps of the implant and participants will have the opportunity to practice and mimic each step of the procedure under supervision of experienced Faculty. The course will also include a hands-on workshop, to practice the implant technique for TDD pumps, a refill procedure and programming.

## Day I - Therapy Overview, the implant procedure and hardware components

**Friday, September 15, 2023**

- |              |   |
|--------------|---|
| <b>14:30</b> | <b>Introduction, welcome and learning objectives</b><br>Dr. Peña  |
| <b>14:45</b> | <b>Overview of neurophysiological and clinical management of spasticity and pain</b><br><i>Neuropathophysiology of spasticity, etiology of spasticity &amp; pain management (SCI, TBI, CP, Stroke, Cancer Pain), treatment options for spasticity &amp; pain management</i><br>Dr. Adarmes Gomez                |
| <b>15:15</b> | <b>Introduction to intrathecal drug delivery therapy for the treatment of severe spasticity &amp; pain management</b><br><i>What is TDD therapy? Phases of this therapy (patient identification, trialing, implant, chronic management) benefits and risks - System components</i><br>Dr. Piedimonte (virtual)  |
| <b>15:45</b> | <b>Indications and Patient selection, a crucial stage towards therapeutic success</b><br><i>Best indications for TDD therapy, patient selection criteria, patient assessment, discussing treatment objectives with the patient and caregivers, patient and caregivers' education</i><br>Dr. Kurt                |
| <b>16:15</b> | <b>Afternoon break</b>  |
| <b>16:30</b> | <b>Screening test, how to confirm if a patient is a suitable candidate?</b><br><i>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</i><br>Dr. Benito |
| <b>17:00</b> | <b>Introduction to the different implant techniques:</b><br><i>Subfascial for pediatric and certain adult populations and subcutaneous. Which patient for which approach?</i><br>Dr. Arteaga  |
| <b>17:30</b> | <b>Clinical evidence: efficacy and the cost-effectiveness of TDD therapy</b><br><i>Main clinical evidence to support the therapy from an efficacy and cost-effectiveness point of view</i><br>Dr. Bara  |
| <b>18:00</b> | <b>Multidisciplinary approach to spasticity and chronic pain management</b><br><i>The importance of a well-functioning team, short and long term</i><br>Dr. Pucks-Faes  |

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#### Venue SATURDAY

Universidad Loyola  
Avda. de las Universidades s/n  
41704 Dos Hermanas, Sevilla

#### Registration

Please contact [info@ecmt-training.com](mailto:info@ecmt-training.com)

#### On-site assistance

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- 18:30 Q&A session with Faculty and Participants  
All
- 18:45 Recap of day I  
Dr. Peña
- 19:00 Closure of day I
- 21:00 Group dinner

## Day II - Hands-on practical training

Saturday, September 16, 2023

- 08:30 Welcome and Day II Introduction - prepare for Anatomy lab  
Dr. Peña

*Start of rotating sessions (4,5 hours + 30 minutes lunch break)*

- 09:00 Station I: Review of useful landmarks, catheter implant, tunneling towards the pump implant side, pump implant & Pediatric implant technique, subfascial implant, Implanting the infusion system  
*System components, pre- peri- and post-implant tasks and steps*  
Dr. Bara

Station II: Refill and Programming: best practices in pump refill, pump refill in subfascial implantation, how to avoid complications, troubleshooting  
Dr. Peña & team

Station III: Programming for therapy optimization & advanced programming (mixtures, flexible modes)  
Mrs. Rojo

- 13:30 Therapy optimization and maintenance  
*Drug management, dosing, titration, combining with conventional treatments (physiotherapy, etc.) over- and underdose management*  
Dr. Peña

- 14:00 Conclusion and Adjourn  
Dr. Peña

Informal lunch

- 14:30 End of training - Return to airport or train station