

## GENERAL INFORMATION

### DATES AND LOCATION

June 14th-15th, 2023. Barcelona, Spain

**LECTURES:** "Sala de Actos" Clinic University Hospital. Villarroel 170.08036 Barcelona Spain. Location: Left Wing from main entrance in Villarroel Street 170. Take the Stairs number 9 to 11. 3rd Floor.

**CADAVER. HANDS-ON DEMONSTRATION:** Dissection Room. Department of Anatomy, Barcelona University Medical School. Location Underground floor. Main entrance from Casanova Street 143

### Course Directors

#### Prof. Jose De Andrés

Professor of Anesthesia, Valencia University Medical School Chairman, Department of Anesthesiology and Critical Care and Pain Management

Director of the Multidisciplinary Pain Management Center Valencia University General Hospital. Valenci. Spain

#### Prof. Albert Prats

Professor of Anatomy, Barcelona University Medical School Casanova 143. 08036 Barcelona. Spain

#### Dr Gustavo Fabregat-Cid

Staff Anesthesiologist. Multidisciplinary Pain Management Center

Department of Anesthesiology and Critical Care and Pain Management

Valencia University General Hospital. Valencia. Spain

#### Dr Xavier Sala-Blanch

Associate Professor of Anatomy

Staff Anesthesiologist. Department of Anesthesiology and Critical Care

Hospital Clinic i Provincial. Barcelona. Spain

### TARGET AUDIENCE

This course is designed for pain practitioners (pain specialists, anesthesiologists, neurosurgeons) utilizing intrathecal drug delivery for pain management both in cancer and non cancer patients. The course is also interesting for those who treat severe spasticity.

Physicians attending the course should have at least 2 years of practice with ongoing use of neuromodulation techniques in the treatment of chronic pain and/or spasticity patients, and with basic knowledge of spinal analgesia using intrathecal drug delivery.

### OBJECTIVES

After participation in this educational meeting, participants should have an understanding of:

1. Basic neuroanatomy related with the performance of intrathecal drug delivery
2. Current imaging and neurophysiology relevant for performing diagnosis and performing the intrathecal drug

delivery for pain & spasticity treatment

3. Identify questions that need to be addressed to increase knowledge of intrathecal techniques used in chronic pain treatment

4. Current indications of Intrathecal drug delivery in chronic pain and recommendations for the evaluation and management of these pain conditions

5. Evidence-Based recommendations and strategies in the patient screening and follow-up, in the management of intrathecal drug delivery analgesia

6. Learning Case scenarios for the acquisition of critical assessment and management skills

### ACCREDITATION

An Application has been made to the EACCME ® for CME accreditation of this event.

### NEXT COURSES

COURSE 14th June 2025. Barcelona, Spain

### REGISTRATION

REGISTRATION: 1.700,00€

To register for this programme, please contact with:

Cristina Cruz. ACADEMY FUNDOLOR

Email: academyfundolor@fundolor.org

Multidisciplinary Pain Management Department Anesthesia

Department

Consorcio Hospital General Universitario de Valencia

Avda. Tres Cruces, s/n. 46014-Valencia (Spain)

Email: cristina.cruz@academyfundolor.org

Phone + 34 96 3455485

The fee includes:

- Registration
- Conference package
- Meals (2 lunch work and 1 dinner)
- Accommodation (bed & breakfast) 2 nights in a 4\* hotel close to the venue

Each delegate is responsible for his/her travel arrangements, according the course schedule.

Our gratitude for the collaboration given by the following companies:

## ADVANCED CADAVER COURSE

## BASIC & CLINICAL SCIENCE FOR THE MANAGEMENT OF PATIENTS WITH CHRONIC PAIN: INTRATHECAL DRUG DELIVERY COURSE 13th

June 14th-15th, 2024

Barcelona, Spain

Organised by:



ANESTHESIOLOGY ACADEMIC AREA  
DPT OF SURGERY AND SURGICAL SPECIALITIES.  
HUMAN ANATOMY AND EMBRIOLOGY UNIT.  
UNIVERSITY OF BARCELONA

Under the auspicious of



Congress Organiser:

Cristina Cruz

ACADEMY FUNDOLOR

Multidisciplinary Pain Management Department

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MORE INFORMATION ON [www.academyfundolor.org](http://www.academyfundolor.org)

Day 1 - Friday 14th June 2024\_BASIC SCIENCE

| Time        | Session   | Faculty                        |
|-------------|---|--------------------------------|
| 08.00-08.15 | <b>Introduction and Welcome</b>   | José De Andrés<br>Albert Prats |
| 08.15-08.40 | <b>ANATOMY FOR PAIN CLINICIANS</b>  |                                |
| 08.15-08.40 | Relevant Anatomy for Spinal Drug Delivery   | Albert Prats                   |
| 08.40-13.45 | <b>BASIC KNOWLEDGE OF NEUROPHYSIOLOGY &amp; PHARMACOLOGY INVOLVED IN IDD EFFECTS</b>  |                                |
| 08.40-09.05 | Spinal and Supraspinal Mechanisms of Pain and Spasticity  | Michael Saulino                |
| 09.05-09.30 | Mechanisms of action of current intrathecal agents  | Tony L. Yaksh                  |
| 09.30-09.55 | Cerebrospinal Fluid Dynamics: Relevance to IDD  | Tony L. Yaksh                  |
| 09.55-10.15 | Pharmacokinetics of intrathecal agents: hydrophilic/hydrophobic uptake and distribution; effect of rate and volume  | Jason Pope                     |
| 10.15-10.35 | Catheter position according Cerebrospinal Fluid Dynamics  | Christophe Perruchoud          |
| 10.35-10.55 | Break   |                                |
| 10:55-13.35 | <b>BASIC KNOWLEDGE OF IDD CLINICAL APPLICATION</b>  |                                |
| 10.55-11.15 | Clinical applications and evidence for current intrathecal analgesic agents   | Salim Hayek                    |
| 11.15-11.35 | Chronic pain patient selection and optimization prior to IDD  | Jason Pope                     |
| 11.35-11.55 | IDD trialling for chronic pain: Bolus technique   | Sam Eldabe                     |
| 11.55-12.15 | IDD trialling for chronic pain: Catheter technique  | Christophe Perruchoud          |
| 12.15-12.35 | Why IDD? Rationale and general uses   | Sam Eldabe                     |
| 12.35-12.55 | Polyanalgesic consensus. Rationale for drug mixtures and drug-drug interactions (DDIs). The way for improving outcome?  | Salim Hayek                    |
| 12.55-13.15 | Intrathecal agents in management of Spasticity  | Michael Saulino                |
| 13.15-13.35 | Cancer Pain management  | Salim Hayek                    |
| 13.45-15.00 | <b>Lunch</b>  |                                |
| 15.30-20.30 | <b>CADAVER. HANDS-ON DEMOSTRATION</b>   |                                |
|             | <b>1. Cadaver Station</b><br>- Paraspinal Puncture and Catheter fixation at spine level<br>- Practice of anchoring and removal of fixation  | Sam Eldabe                     |
|             | <b>2. Cadaver Station</b><br>- Surgical performance of subcutaneous pocket<br>- Refilling procedure with ultrasonography guidance   | Christophe Perruchoud          |
|             | <b>3. Cadaver Station</b><br>- Surgical performance of subfascial subcutaneous pocket<br>- Programming of roller Study Priming bolus 0.01 ml over 1 min   | Jason Pope                     |
|             | <b>4. Cadaver Station</b><br>- Puncture and catheter feeding in subarachnoid space<br>- Catheter tunnelling and pump connection   | Salim Hayek                    |
|             | <b>5. Ultrasonography Station</b><br>- Neuraxial structures<br>- Transversus abdominis Plane (TAP) block with Ultrasonography guidance for field anesthesia in pump implant   | Manfred Greher                 |
|             | <b>6.-Technical Station: Devices and programming</b><br>The use of MyPTM (external patient control), both to provide autonomy to the patient in managing pain and to help dose titration. Programming of periodic boluses, improving the dispersion of the drug and achieving better outcome. Programming by sections, adapting to the needs of each patient. | Michael Saulino                |
| 20.30       | <b>Dinner</b>   |                                |

Day 2 - Saturday 15th June 2024\_CLINICAL SCIENCE

| Time        | Session  | Faculty                                 |
|-------------|--|---|
| 08.00-10.30 | <b>TECHNICAL ASPECTS OF INTRATHECAL DRUG DELIVERY</b>  |   |
| 08.00-08.30 | Avoiding implant complications: Pre-implant optimization, intraoperative and immediate post-operative care<br><i>Practical interactive approach</i>  | Jason Pope                              |
| 08.30-08.50 | Programming IDD pump strategies<br><i>Practical interactive approach</i>   | Christophe Perruchoud                   |
| 08.50-09.10 | Implanted patient factors in IDD management: Interactions<br><i>Practical interactive approach</i>   | José De Andrés                          |
| 09.10-09.40 | Troubleshooting related with IDD and its management<br><i>Practical interactive approach</i>   | Michael Saulino                         |
| 09.40-10.10 | Principles underlying intrathecal drug pathology<br><i>Practical interactive approach</i>  | Tony Yaksh                              |
| 10.10-10.30 | Break  |   |
| 10.30-13.30 | <b>DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT WITH IDD</b>  |   |
| 10.30-10.50 | Day to day management of intrathecal pump<br><i>Practical interactive approach</i>   | Michael Saulino                         |
| 10.50-11.20 | <b>Rapid Fire: IDD in chronic non cancer pain clinical scenarios</b><br>Spine Pain<br>Neuropathic Pain<br>CRPS<br><i>Practical interactive approach</i>  | Jason Pope<br>Sam Eldabe<br>Salim Hayek |
| 11.20-11.50 | Managing IDD complications<br><i>Practical interactive approach</i>  | José De Andrés                          |
| 11.50-12.20 | <b>Rapid Fire: Improving IDDS</b><br>Catheter<br>Pump<br><i>Practical interactive approach</i>   | Tony Yaksh<br>Salim Hayek               |
| 12.20-12.50 | New Targets for IDD out of current indications? Forecasting the future!<br>Neuroinflammation as target. Systemic diseases in the search of adequate pain relief<br><i>Practical interactive approach</i> | Tony Yaksh                              |
| 12.50-13.20 | Rapid Fire: Share your clinical case and open discussion<br><i>Practical interactive approach</i>  | All together                            |
| 13.20-14.00 | Summary of the course and "Take home messages"<br><i>Practical interactive approach</i>  | José De Andrés                          |
| 15.30       | <b>Departures</b>  |   |

List of Speakers

**José De Andrés MD, PhD, FIPP, EDRA, EDPM**

Anesthesiologist  
Professor of Anesthesia. Valencia University Medical School.  
Chairman. Department of Anesthesiology and Critical Care.  
Director of Multidisciplinary Pain Management Center  
General University Hospital. Valencia. Spain.

**Sam Eldabe, MD**

Anesthesiologist  
The James Cook University Hospital  
Middlesbrough. United Kingdom

**Manfred Greher, MD**

Anesthesiologist  
Herz- Jesu Hospital  
Vienna, Austria

**Salim Hayek, MD**

Anesthesiologist  
University Hospitals of Cleveland  
Cleveland. USA

**Christophe Perruchoud, MD**

Anesthesiologist  
Pain clinic, Hôpital de la Tour  
Geneva, Switzerland

**Jason Pope, MD**

Anesthesiologist  
Evolve Restorative Center  
Santa Rosa, CA, USA.

**Albert Prats, MD, PhD**

Professor of Anatomy  
Anatomy Department University of Barcelona.  
Barcelona Spain

**Michael Saulino MD PhD**

Chair, Department of Physical Medicine & Rehabilitation  
Cooper University Health Care  
Professor of Physical Medicine & Rehabilitation  
Cooper Medical School of Rowan University

**Tony L. Yaksh, MD, PhD**

Anesthesiology and Pharmacology  
University of California. San Diego. USA