

## GENERAL INFORMATION

### DATES AND LOCATION

June 28th-29th, 2019. 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  
Tres Cruces s/n, 46014-Valencia (Spain)

#### Prof. Carmen Gomar

Professor of Anesthesia, Barcelona University Medical  
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Senior Specialist, Department of Anesthesiology and  
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Villarroel 170.08036 Barcelona Spain

#### Prof. Albert Prats

Professor of Anatomy, Barcelona University Medical School  
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#### Dr Gustavo Fabregat Cid

Staff Anesthesiologist. Multidisciplinary Pain Management  
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#### Dr Xavier Sala-Blanch

Associate Professor of Anatomy

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Villarroel 170.08036 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. Also interesting for those  
who treat severe spasticity.

Physicians attending the course should have at least 2  
years of practice with ongoing use of Intrathecal drug  
delivery techniques in the treatment of chronic pain and/or  
spasticity patients, and with basic knowledge of spinal  
anesthesia 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 man-  
agement 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.

### REGISTRATION

REGISTRATION: 1600€

To register for this programme, please contact with:

Cristina Cruz. FUNDOLOR

Email: fundolor\_hgv@gva.es

Multidisciplinary Pain Management Department

Anesthesia Departmen

Consorcio Hospital General Universitario de Valencia

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

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Phone + 34 96 1199626

The fee includes:

- Registration
- Conference package
- Meals (2 lunch work and 1 dinner)
- Accommodation (bed & breakfast) 2 nights

Each delegate is responsible for his/her travel arrange-  
ments, according the course schedule

### NEXT COURSES

COURSE IX - June 19th-20th, 2020. Barcelona. Spain

Our gratitude for the collaboration given by the following  
companies:



PHILIPS

# ADVANCED CADAVER COURSE INTRATHECAL DRUG DELIVERY COURSE VIII BASIC & CLINICAL SCIENCE FOR THE MANAGEMENT OF PATIENTS WITH CHRONIC PAIN:

June 28th - 29th, 2019

Barcelona, Spain

Organised by:



SERVICIO DE ANESTESIOLOGÍA  
REANIMACIÓN Y TRATAMIENTO  
DEL DOLOR



UNIVERSITAT  
ID VALÈNCIA  
Facultat de Medicina i Odontologia  
Department de Cirurgia



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

FUNDOLOR

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

Day 1 - Friday 28th June 2019\_BASIC SCIENCE

Time	Session	Faculty
08.15-08.30	Introduction and Welcome	José De Andrés Carmen Gomar Albert Prats
08.30-09.30	<b>ANATOMY FOR PAIN CLINICIANS: Spinal Cord and Spine for IDD</b>	
08.30-09.00	Anatomy of DRG, intrathecal nerve roots, epidural fat and epidural nerves. Anatomy of spinal vasculature	Albert Prats
09.00-09.30	The spinal meninges and their role in the spinal movement	Miguel Angel Reina
09.30-10.00	Catheter position and dynamics of CSF relevant for IDD	Jose De Andrés
10.00-11.30	<b>IMAGING TECHNIQUES FOR PAIN CLINICIANS</b>	
10.00-10.30	MRI and CT-Scan (modalities) How to make the best selection for the intended diagnosis	Beatriz Gómez-Ansón
10.30-11.00	<b>Break</b>	
11.00-11.30	SAFETY AND SETTINGS FOR BETTER X-RAY IMAGES 1.-What do you need to know about your machine. 2.-How to use correctly-safety procedures 3.-Which C arm must I buy for doing my practice?	Jordi Blasco
11.30-13.30	<b>BASIC KNOWLEDGE OF NEUROPHYSIOLOGY &amp; PHARMACOLOGY INVOLVED IN IDD EFFECTS</b>	
11.30-12.00	Spinal cord physiology	Antony Dickenson
12.00-12.30	Spinal cord pharmacokinetics: properties and routes defining the movement of molecules from the epidural and intrathecal sites of injection into the parenchyma of the central nervous system	Tony L. Yaksh
12.30-13.00	Potential mechanisms of action of spinally administered drugs	Antony Dickenson
13.00-13.30	Intrathecal Drug Agents: Mechanism of Spinal drug toxicity	Tony L. Yaksh
13.45-15.00	<b>Lunch</b>	
15.00-20.30	<b>CADAVER. HANDS-ON DEMONSTRATION</b> <b>1. Cadaver Station</b> -Surgical performance of subcutaneous pocket -Refilling procedure with Ultrasonography guidance CADAVER (1) SUPINE Trunk Pelvis <b>2. Cadaver Station</b> -Surgical performance of subfascial subcutaneous pocket -Programming of roller Study Priming bolus 0.01 ml over 1 min CADAVER (1) SUPINE Trunk Pelvis <b>3. Cadaver Station</b> Paraspinal Puncture and Catheter fixation at spine level CADAVER (1) PRONE Trunk Pelvis <b>4. Cadaver Station</b> Puncture and catheter feeding in subarachnoid space Catheter tunnelling and pump connection CADAVER (1) PRONE Trunk Pelvis <b>5.-Ultrasonography Station</b> Neuraxial structures Transversus abdominis Plane (TAP) block with Ultrasonography guidance for field anesthesia in pump implant MODEL (1) <b>6.-Technical Station</b> Devices and programming	Salim Hayek Christian Dürsteler  Christophe Perruchoud Engineer  Sam Eldabe  Gustavo Fabregat  Manfred Greher  Engineers
21.00	<b>Dinner</b>	

Day 2 - Saturday 29th June 2019\_CLINICAL SCIENCE

Time	Interactive procedural based session Case based practice	Faculty
08.30-09.30	<b>PROCEDURAL CONSIDERATIONS AND PATIENT MANAGEMENT: CASE BASED</b>	
08.30-09.00	Patient Selection criteria, screening and preparation; Trial criteria modalities; titrating; devices available in the market for trialling; Pump Hardware selection	Sam Eldabe
09.00-09.30	Strategies in the follow-up of intrathecal drug infusion -Lack of efficacy: Programming and drug exchange/combination decision -Opioid scalation and Microdosing -Excess in residual volume: Mechanical Tests, plan for and manage ITDD pump replacements	Salim Hayek
09.30-10.00	Interactions with Medical, electrical and/or magnetic equipment and other exposing radiations in daily live	José De Andrés
10.00-13.30	<b>DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT WITH IDD: CASED BASED</b>	
10.00-10.30	Cancer pain	Denis Dupoiron
10.30-11.00	<b>Break</b>	
11.00-11.30	Neuropathic Pain and CRPS	Salim Hayek
11.30-12.00	Failed back syndrome and chronic mechanical low back pain	Gustavo Fabregat
12.00-12.30	Cronic Visceral Thoracic pain	Christophe Perruchoud
12.30-13.00	Chronic Visceral pelvic/perineal pain	Sam Eldabe
13.00-13.30	Recognition and management of complications -related to the patient -related to drugs -related to the ITDD device	José De Andrés
	Learning case scenarios interactive discussion	
	Closing Remarks	José De Andrés
14.15-15.30	<b>Lunch</b>	
15.30	<b>Departures</b>	

Faculties

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