

## GENERAL INFORMATION

### DATES AND LOCATION

November 29th-30th, 2019. Barcelona, Spain

#### LECTURES:

Clinic University Hospital . Villarroel 170.  
08036 Barcelona, Spain.

Sala de Actos. 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 Uni-  
versity Medical School. 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  
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 School  
Senior Specialist,  
Department of Anesthesiology and Reanimation  
Hospital Clinic i Provincial.  
Villarroel 170. 08036 Barcelona, Spain.

#### Prof. Albert Prats

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

### Course Co-Directors

Gustavo Fabregat, MD, PhD  
Xavier Sala-Blanch, MD, PhD

### TARGET AUDIENCE

This advanced course is designed for pain practitioners  
(pain specialists, anesthesiologists, neurosurgeons) utilizing  
invasive techniques for pain management.

Physicians attending the course should have at least 2  
years of practice with ongoing use of neuromodulation  
techniques in the treatment of chronic pain patients.

### OBJECTIVES

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

1. Basic neuroanatomy related with the performance of pain therapies.
2. Clinical evidence regarding new and evolving treatments for the treatment of pain.
3. Current imaging and electrophysiological technologies relevant for performing diagnosis and performing the invasive techniques for pain treatment.
4. Common clinical problems in chronic pain and current recommendations for the evaluation and management of these pain conditions.

5. Evidence-Based treatments in pain medicine.
6. Identify questions that need to be addressed to increase knowledge of neuromodulation techniques use in pain treatment.
7. How to design the Pain studies for obtaining better the evidence.

### 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. ACADEMY 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)

Email: cruz\_cri@gva.es

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 XVI

December 4th-5th 2020. Barcelona, Spain

Our gratitude for the collaboration given by the following  
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SHARING EXPERTISE

## ADVANCED CADAVER COURSE

## CLINICAL & BASIC SCIENCE FOR THE MANAGEMENT OF THE CHRONIC PAIN PATIENT: NEUROSTIMULATION-COURSE XV

November 29th-30th, 2019

Barcelona, Spain

Organised by:



UNIVERSITAT ID VALÈNCIA [U+V]  
Facultat de Medicina i Ciències  
Departament de Cirurgia



SERVICIO DE ANESTESIOLOGÍA  
REANIMACIÓN Y TRATAMIENTO  
DEL DOLOR



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

Multidisciplinary Pain Management Department

Anesthesia Department

Consorcio Hospital General Universitario de Valencia

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

Day 1 - Friday 29th November 2019  
BASIC SCIENCE

Time	Session	Faculty
08.30 - 8.40	Introduction and Welcome	José De Andrés Carmen Gomar Albert Prats
08.40 - 10.00	<b>ANATOMY FOR PAIN CLINICIANS</b>	
08.40 - 09.30	Anatomy for Cranial and spine procedures.	Albert Prats
09.30 - 10.00	Applied Anatomy for spinal cord neuromodulation.	José De Andrés
10.00 - 11.00	<b>IMAGING TECHNIQUES FOR PAIN CLINICIANS</b>	
10.00 - 10.30	<b>SAFETY AND SETTINGS FOR BETTER X-RAY IMAGES</b> 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
10.30 - 11.00	<b>MRI and CT-Scan</b> (modalities) How to make the best selection for the intended diagnosis.	Beatriz Gómez-Ansón
11.00 - 11.30	<b>Break</b>	
11.30 - 13.30	<b>NEUROPHYSIOLOGY FOR CHRONIC PAIN CLINICIANS</b>	
11.30 - 12.00	Neurophysiological mechanisms of spinal cord stimulation.	Bengt Linderoth
12.00 - 12.30	Intraoperative neurophysiological monitoring for optimization of electrode placement and Spinal Cord Stimulation programming	Steven Falowski
12.30 - 13.00	Cortical stimulation for pain control. From anecdote to evidence via neurophysiology and imaging	Luis García-Larrea
13.00 - 13.30	Functional MRI and spinal cord neuromodulation	José De Andrés
13.45 - 15.00	<b>Lunch</b>	
15.00 - 20.00	<b>CADAVER. HANDS-ON DEMONSTRATION</b> <b>1. Neuromodulation PNS</b> CADAVER (2) HEADS-NECK Cadaver 1 supine supratroclear and supraorbital Sphenopalatine ganglion stimulation Cadaver 2 Prone Occipital nerve stimulation (ONS) <b>2. Percutaneous lead paraspinal insertion anchoring systems.</b> Tunnelling and pocket creation CADAVER (1) Prone Trunk-Neck <b>3. Pelvic and perineal stimulation for somatic and visceral pain Cadaver Station</b> CADAVER (1) PRONE Trunk with Pelvis Techniques retrograde - trans Foraminal <b>4. Endoscopic Navigation in SCS and DRG Neuromodulation Cadaver Station</b> CADAVER (1) Prone Trunk-Neck <b>5 Ultrasonography Station</b> HUMAN MODEL (1) Spine structures identification for the practices of SCS neurostimulation PNS insertion with IS guidance CADAVER (1) PNS insertion with IS guidance.Upper and Lower Limb <b>6 Technical Station</b> Devices and programming	Jean P. Van Buyten  Steven Falowski  Sudhir Diwan  Jost Thissen  Urs Eichenberger  Gustavo Fabregat  Jose Luis Durá
20.00	<b>Closing of the day</b>	
20.30	<b>Dinner</b>	

Day 2 - Saturday 30th December 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 - 9.00	Hardware selection in neurostimulation for chronic pain, and its influence in outcome	Gregor Bara
09.00 - 09.30	Ways to improve effectiveness of Spinal Cord Stimulation: new SCS algorithms; modulation of stimulation parameters; different leads; adjunct pharmacotherapy	Bengt Linderoth
09.30 - 10.00	Guidelines for reducing complications in neurostimulation practice. Management of Interactions with Medical, electrical and/or magnetic equipment	José De Andrés
10.00 - 13.30	<b>DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT: CASED BASED</b>	
10.00 - 10.30	Current Neuromodulation management of different neuropathic pain conditions: an update	Jean P. Van Buyten
10.30 - 11.00	<b>Break</b>	
11.00 - 11.30	Current neuromodulation management of neuropathic pain conditions. Is the PNS the solution?	Sudhir Diwan
11.30 - 12.00	Spinal cord stimulation for critical peripheral ischemia and angina pectoris. Mechanisms and outcomes	Bengt Linderoth
12.00 - 12.30	DRG stimulation indication in current clinical practice	Gregor Bara
12.30 - 13.00	Clinical management of Pelvic and Perineal Pain using neuromodulation techniques	Sudhir Diwan
13.00 - 13.30	Supraspinal stimulation for treatment of refractory pain. When to refer a patient and evidence based indications	Steven Falowski
	Learning case scenarios interactive discussion	
	<b>Closing Remarks</b>	José De Andrés
14.15 - 15.30	<b>Lunch</b>	
15.30	<b>Departures</b>	

**Faculties**

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