

## GENERAL INFORMATION

### DATES AND LOCATION

November 30th-December 1st, 2018. 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. 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 XV

November 29th-30th 2019. Barcelona, Spain

Our gratitude for the collaboration given by the following  
companies:

**Medtronic**  
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PHILIPS

## ADVANCED CADAVER COURSE

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

November 30th- December 1st, 2018

Barcelona, Spain

Organised by:



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 30th November 2018  
BASIC SCIENCE

Time	Session	Speakers
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 Craneal 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	Pre-and Postoperative monitoring in Neurostimulation therapy. Is the QST an alternative for long term follow-up?	Didier Bouhassira
13.00 - 13.30	Cortical stimulation for pain control. From anecdote to evidence via neurophysiology and imaging	Luis García-Larrea
13.45 - 15.00	<b>Lunch</b>	
15.30 - 19.30	<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. Neuromodulation Visceral pain Cadaver Station</b> CADAVER (1) Prone Trunk-Neck <b>5 Ultrasonography Station</b> MODEL (2) <b>6 Technical Station</b> Devices and programming	Denis Fontaine  Steven Falowski  Sam Eldabe  Jean P. Van Buyten  Urs Eichenberger Gustavo Fabregat Jose Luis Durá
19.30	<b>Closing of the day</b>	
20.30	<b>Dinner</b>	

Day 2 - Saturday 1st December 2018  
CLINICAL SCIENCE

Time	Session	Speakers
08.30 - 09.30	<b>TECHNICAL SECTION</b>	
08.30 - 9.00	Hardware selection and its influence in outcome	Sam Eldabe
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:</b>	
10.00 - 10.30	Peripheral Nerve stimulation. Current indications and modalities and their evidence based in outcomes	Denis Fontaine
10.30 - 11.00	<b>Break</b>	
11.00 - 11.30	Current neuromodulation management of Neuropathic pain conditions: FBSS; Diabetic neuropathy; Postherpetic Neuropathy; Siringomiely; Restless legs pain syndrome	Jean P. Van Buyten
11.30 - 12.00	Spinal cord stimulation for critical peripheral ischemia and angina pectoris. Mechanisms and outcomes	Bengt Linderoth
12.00 - 12.30	Neuromodulation of visceroreceptive transmission. Thoracic and addominal targets	Sam Eldabe
12.30 - 13.00	Clinical management of Pelvic and Perineal Pain using neuromodulation techniques	José De Andrés
13.00 - 13.30	Supraspinal stimulation for treatment of refractory pain	Denis Fontaine
13.30 - 13.35	<b>Closing Remarks</b>	Carmen Gomar José De Andrés
13.45 - 15.00	<b>Lunch</b>	
15.30	<b>Departures</b>	

List of Speakers

**Jordi Blasco MD**  
Interventional radiologist  
Unit of Intervencionist Vascular Radiology  
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**Didier Bouhassira MD**  
Neurologist  
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**José De Andrés MD, PhD**  
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**Jose Luis Durá MSc**  
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**Sam Eldabe MD**  
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**Urs Eichenberger MD**  
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**Gustavo Fabregat**  
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**Steven Falowski, MD, FAANS**  
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**Denis Fontaine**  
Neurosurgeon  
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**Luis Garcia-Larrea, MD, PhD**  
Clinical Neurophysiology  
INSERM Unit "Central Integration of Pain in Humans"  
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**Beatriz Gómez-Anson**  
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**Bengt Linderoth**  
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**Albert Prats**  
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**Jean Pierre Van Buyten**  
Anesthesiologist  
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