

## GENERAL INFORMATION

### DATES AND LOCATION

November, 24th-25th 2017. 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 increa-  
se 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

To register for this programme, please contact with:  
EUROPEAN CONTINUING MEDICAL TRAINING  
Cora Vugts  
Email: registration@ecmt-training.com

#### LOCAL ORGANISER:

Cristina Cruz. FUNDOLOR  
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Multidisciplinary Pain Management Department  
Anesthesia Departmen  
Consorcio Hospital General Universitario de Valencia  
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#### 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 XIV

November 30th-December 1st 2018. Barcelona, Spain

#### COURSE XV

November 29th-30th 2019. Barcelona, Spain

Our gratitude for the collaboration given by the following  
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Under the auspicious of:



## ADVANCED COURSE

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

November 24th- 25th, 2017

Barcelona, Spain

Organised by:



SERVICIO DE ANESTESIOLOGÍA  
REANIMACIÓN Y TRATAMIENTO  
DEL DOLOR



UNIVERSITAT  
ID VALÈNCIA  
Facultat de Medicina i Ciències  
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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Anesthesia Department  
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MORE INFORMATION ON [www.academyfundolor.org](http://www.academyfundolor.org)

Day 1 - Friday 24th November 2017  
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 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?	Beatriz Gómez-Ansón
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	Break	
11.30 - 13.30	<b>NEUROPHYSIOLOGY FOR CHRONIC PAIN CLINICIANS</b>	
11.30 - 12.00	Neurophysiological mechanisms of spinal cord stimulation.	Bengt Linderöth
12.00 - 12.30	Changes in somatosensory evoked potentials and "motor" function and correlation with spinal cord stimulation mechanisms of action	Michelangelo Buonocore
12.30 - 13.00	Quantitative sensory testing as evaluation tool of patient with neuropathic pain candidate for 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	Lunch	
15.30 - 19.30	<b>CADAVER. HANDS-ON DEMONSTRATION</b> <b>1. Neuromodulation PNS</b> CADAVER (2) HEADS-NECK Cadaver 1 supine supratrochlear and supraorbital Sphenopalatine ganglion stimulation Cadaver 2 Prone Occipital nerve stimulation (ONS) <b>2. Percutaneous lead paraspinal insertion anchoring systems. Tunnelling and pocket creation</b> CADAVER (1) Prone Trunk-Neck <b>3. Retrograde stimulation transforaminal, sacral perineal stimulation</b> CADAVER (1) PRONE Trunk with Pelvis Techniques retrograde –trans Foraminal <b>4. Neuromodulation Visceral pain</b> CADAVER (1) Prone Trunk-Neck <b>5 Ultrasonography Station</b> MODEL (2) <b>6 Technical Station</b> Devices and programming	Roger Strachan  Kliment Gatzinsky  Sudhir Diwan  Leo Kapural  Urs Eichenberger Gustavo Fabregat Jose Luis Durá Gabriel Calatayud
19.30	Closing of the day	
20.30	Dinner	

Day 2 - Saturday 25th November 2017  
CLINICAL SCIENCE

Time	Session	Speakers
08.30 - 09.30	<b>TECHNICAL SECTION</b>	
08.30 - 9.00	Hardware selection and its influence in outcome	Sudhir Diwan
09.00 - 09.30	Ways to improve effectiveness of Spinal Cord Stimulation: new SCS algorithms; modulation of stimulation parameters; different leads; adjunct pharmacotherapy	Bengt Linderöth
09.30 - 10.00	Interactions with Medical, electrical and/or magnetic equipment e.g. diathermy, physiotherapy equipment; MRI scanners; other implanted devices e.g. cardiac pacemakers. Microwaves, security checkpoint (airports, department stores and shopping malls) and other exposing radiations in daily life	Aafje tom Dieck
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	Kliment Gatzinsky
10.30 - 11.00	Break	
11.00 - 11.30	Neuromodulation workflow: patient selection implant / target technique, system type and programming guide	José De Andrés
11.30 - 12.00	Spinal cord stimulation for critical peripheral ischemia and angina pectoris. Mechanisms and outcomes	Bengt Linderöth
12.00 - 12.30	Neuromodulation of visceroreceptive transmission. Thoracic and abdominal targets	Leo Kapural
12.30 - 13.00	Pelvic and Perineal Pain management using neuromodulation techniques	Sudhir Diwan
13.00 - 13.30	Supraspinal stimulation for treatment of refractory pain	Kliment Gatzinsky
13.30 - 13.35	Closing Remarks	Carmen Gomar José De Andrés
13.45 - 15.00	Lunch	
15.30	Departures	

List of Speakers

Michelangelo Buonocore  
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