



## LIST of INFORMATION

### 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  
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

### TARGET AUDIENCE

This 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

The Spanish Accreditation Council for CME (SACCME) has granted 3 hours of CME credit to the course.  
The EACCME has granted 9 European CME credits (ECMEC) to the course.

### REGISTRATION

To register for this program please contact with:  
EUROPEAN CONTINUING MEDICAL TRAINING  
Cora Vugts  
E-mail: registration@ecmt-training.com

### LOCAL ORGANIZER:

Cristina Cruz. FUNDOLOR  
Multidisciplinary Pain Management Department  
Anesthesia Department  
Consorcio Hospital General universitario de Valencia  
Avda. Tres Cruces, s/n, 46014-Valencia  
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### VENUES

#### LECTURES:

Clinic University Hospital . 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 University Medical School  
Underground floor. Main entrance from Casanova Street 143.

### NEXT COURSE:

COURSE IX - november 29 th-30th 2013.

Our gratitude for the collaboration given by the following companies:

PHILIPS

Under the auspicious of:



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## ADVANCED COURSE

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

November 30th - December 1st 2012

Barcelona, Spain

Organised by:



SERVICIO DE ANESTESIOLOGÍA  
REANIMACIÓN Y TRATAMIENTO  
DEL DOLOR



UNIVERSITAT DE VALÈNCIA  
Facultat de Medicina i Odontologia  
Departament de Cirurgia



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

Congress Venue:

Sala de Actos. Hospital Clinic i Provincial, planta 3ª, puerta 9  
Sala de Anatomía. Faculty of Medicine. Barcelona University  
Villarroel 170, 08036-Barcelona Spain

Congress Organiser:

Cristina Cruz

FUNDOLOR

Multidisciplinary Pain Management Department

Anesthesia Department

Consorcio Hospital General universitario de Valencia

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Day 1 - Friday 30th November 2012  
**BASIC SCIENCE**

Time	Session	Speakers
08.15 - 8.30	<b>Introduction and Welcome</b>	José De Andrés Carmen Gomar Albert Prats
08.30 - 10.00	<b>ANATOMY FOR PAIN CLINICIANS</b>	
08.30 - 09.00	Anatomy for Craniofacial pain and neck procedures (Occipital and Cervical Plexus Nerves)	Albert Prats
09.00 - 09.30	Anatomy for Spine procedures (Spine-Pelvic-Perineal)	M <sup>a</sup> Isabel Miguel
09.30 - 10.00	Anatomy for Pelvic and Perineal procedures (Neural Spinal Cord Peripheral Nerve)	José De Andrés
10.00 - 12.00	<b>IMAGING TECHNIQUES FOR PAIN CLINICIANS</b>	
10.00 - 10.30	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
10.30 - 11.00	<b>Break</b>	
11.00 - 11.30	Basic knowledge in the management of Ultrasonography	Urs Eichenberger
11.30 - 12.00	MRI and CT-Scan (modalities) How to make the best selection for the intended diagnosis	Beatriz Gómez-Ansón
12.00 - 13.30	<b>NEUROPHYSIOLOGY FOR CHRONIC PAIN PATIENT</b> How to make the best selection for the intended diagnosis	
12.00 - 12.30	1.- Conventional nerve conduction and electromyography 2.- Brainstem and spinal cord reflex studies 3.- Automatic nervous system functions	Josep Valls-Solé
12.30 - 13.00	Quantitative sensory testing as evaluation tool of Neurostimulation therapy	Sigrid Schuh-Hofer
13.00 - 13.30	Functional MRI evaluation SCS	Dirk Rasche
13.45 - 15.00	<b>Lunch</b>	
15.30 - 19.30	<b>CADAVER. HANDS-ON DEMONSTRATION</b> <b>1. Neuromodulation PNS Cadaver Station</b> CADAVER (2) HEADS-NECK Cadaver 1 supine supratroclear and supraorbital Cadaver 2 Prone Occipital <b>2. PNS from the axis Cadaver Station</b> <b>Transforaminal and Subcutaneous field stimulation</b> CADAVER (1) Prone Trunk-Neck <b>3. Neuromodulation Sacral stimulation Cadaver Station</b> CADAVER (1) PRONE Trunk with Pelvis Techniques retrograde-trans Foraminal - transhiatal <b>4. Neuromodulation Abdominal pain Cadaver Station</b> CADAVER(1) PRONE Trunk-Neck CBLP 2 leads <b>5. Ultrasonography Station</b> MODEL (2) <b>6. Technical Station</b> Devices and programming	Jean Pierre Van Buyten  Ismail Gültuna  Sam Eldabe  Leo Kapural  Urs Eichenberger Juan Asensio Jose Luis Durá
19.30	Closing of the day	
20.30	Dinner	

Day 2 - Saturday 1st December 2012  
**CLINICAL SCIENCE**

Time	Session	Speakers
08.30 - 13.30	<b>CLINICAL TOPICS</b>	
08.30 - 09.00	Peripheral nerve Stimulation (PNS): Indications and expected benefits and difficulties with techniques	Ismail Gültuna
09.00 - 09.30	Brain Stimulation: Current technical modalities and their application in clinical practice	Dirk Rasche
09.30 - 13.00	<b>DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT:</b> <b>Patient selection criteria; Hardware selection; Technique of implant; Trial criteria; Programing; Follow-up</b>	
09.30 - 10.00	Chronic Regional pain Syndrome	Sam Eldabe
10.00 - 10.30	Trigeminal and Cervicogenic pain Syndromes	Jean Pierre Van Buyten
10.30 - 11.00	<b>Break</b>	
11.00 - 11.30	Neuromodulation of thoracic visceroreceptive transmission	Leo Kapural
11.30 - 12.00	Failed Back Surgery Syndrome	Sam Eldabe
12.00 - 12.30	Abdominal Pain using neuromodulation techniques	Leo Kapural
12.30 - 13.00	Pelvic and Perineal pain	José De Andrés
13.00 - 13.30	Guidelines for reducing complications in neurostimulation practice	José De Andrés
13.30 - 13.35	Closing Remarks	José De Andrés
13.45 - 15.00	<b>Lunch</b>	
15.30	<b>Departures</b>	

**List of Speakers**

Juan Asensio  
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