



## LIST of INFORMATION

### Course Directors:

#### Dr. José De Andrés

Associate 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 intrathecal drug delivery for pain management. It is also for those who treat severe spasticity.

Physicians attending the course should have at least 2 years of practice with ongoing use of neuromodulation techniques in the treatment of chronic pain and/or spasticity 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

#### Registration and conference package fee: 1.600,00 E

To register for this program please contact with:  
Cristina Cruz. FUNDOLOR  
Multidisciplinary Pain Management Department  
Anesthesia Department  
Consorcio Hospital General universitario de Valencia  
Avda. Tres Cruces, s/n, 46014-Valencia  
email: cruz\_cri@gva.es  
Phone: + 34 96 1972115  
Fax: + 34 96 1972303

#### 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 arrangements, according the course schedule.

### 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

#### PAYMENT CONDITIONS

- Payment due no later than June 3rd 2011
- Check payable to Fundolor
  - Bank Transfer to FIDENZIS C/ Lorca 8. 46018 Valencia. Spain
  - IBAN: ES59 2077 2016 6151 0012 9216
  - BIC: CVALESWXXX

Cancellations must be received in writing by June 3rd to obtain a refund. All cancellations received by this date are subjected to 50 euros administration fee. Cancellations received after this date will be not subject to a refund.

### NEXT COURSE

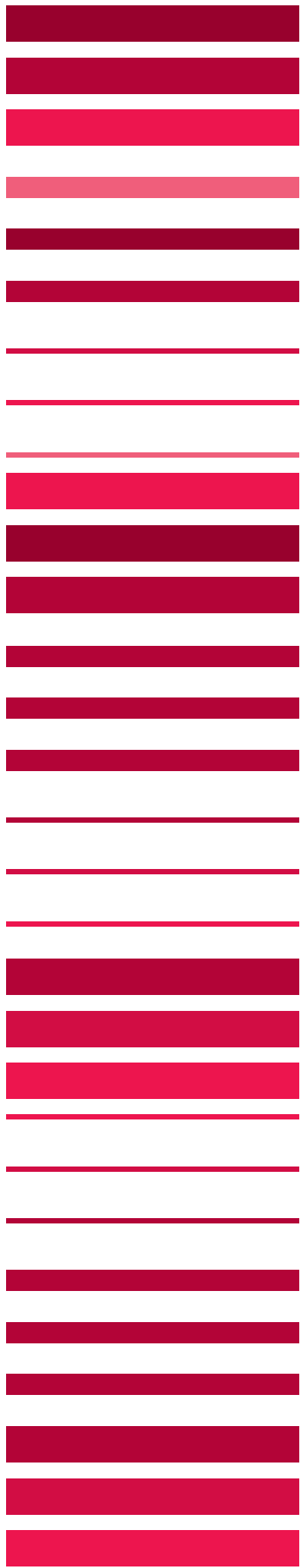
COURSE II June 29th-30th 2012.  
COURSE III June 28th-29th 2013.

Our gratitude for the collaboration given by the following companies:

GENERAL ELECTRIC

This program is sponsored in part by an educational grant from

**Codman**  
a Johnson & Johnson company



## BASIC & CLINICAL SCIENCE FOR THE MANAGEMENT OF THE CHRONIC PAIN PATIENT: INTRATHECAL DRUG DELIVERY-COURSE I

June 17th - 18th 2011

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

### 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  
Avda. Tres Cruces, s/n, 46014-Valencia  
email: cruz\_cri@gva.es  
Phone: + 34 96 1972115  
Fax: + 34 96 1972303

Day 1 - Friday 17th June 2011  
**BASIC SCIENCE**

Time	Session	Speakers
08.00 - 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 of DRG, intrathecal nerve roots, epidural fat and epidural nerves. Anatomy of spinal vasculature.	Albert Prats University of Barcelona. Barcelona
09.00 - 09.30	Cerebrospinal fluid (CSF): The spinal meninges and their role in the spinal movement	Miguel Angel Reina Hospital Montepíncipe. Madrid
09.30 - 10.00	CSF dynamics and related complications from spinal catheters	G R Strichartz Harvard Medical School. Boston. USA.
10.00 - 13.00	<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 Hospital Clinic i Provincial. Barcelona
10.30 - 11.00	<b>Break</b>	
11.00 - 11.30	MRI and CT-Scan (modalities) How to make the best selection for the intended diagnosis	Beatriz Gómez-Ansón Hospital Santa Cruz y San Pablo. Barcelona
11.30 - 12.00	Basic Knowledge in the management of Ultrasonography with special emphasis in Spine structures, catheter, pump and refills	Michele Curatolo Inselspital. Bern. Switzerland
12.00 - 13.30	<b>BASIC KNOWLEDGE OF NEUROPHYSIOLOGY INVOLVED IN SOMATOSENSORY TRANSMISSION</b>	
12.00 - 12.30	Spinal cord physiology	TBA
12.30 - 13.00	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	G R Strichartz Harvard Medical School. Boston. USA.
13.00 - 13.30	Potential mechanisms of action of spinally administered drugs	Simon Thompson Orsett Hospital. Essex. UK
13.45 - 15.00	<b>Lunch</b>	
15.30 - 19.30	CADAVER. HANDS-ON DEMONSTRATION 1. <b>Cadaver Station: Basic skills for surgical performance of subcutaneous pocket</b> CADAVER (1) PRONE Trunk Pelvis 2. <b>Cadaver Station: Basic skills for surgical performance of subfascial subcutaneous pocket</b> CADAVER (1) PRONE Trunk Pelvis 3. <b>Cadaver Station: Basic skills for catheter fixation at spine level</b> CADAVER (1) PRONE Trunk Pelvis 4. <b>Cadaver Station: Basic skills for puncture a catheter feeding in subarachnoid space</b> CADAVER(1) PRONE Trunk Pelvis 5. <b>Ultrasonography Station</b> MODEL (2) 6. <b>Technical Station</b> Devices and programming	Ivano Dones Istituto Neurologico Besta. Milano. Italia  Sam Eldabe The James Cook University Hospital. London  Volker Tronnier Universitätsklinikum Schleswig-Holstein. Germany  TBA  Michele Curatolo Inselspital. Bern. Switzerland Juan Asensio Valencia University General Hospital. Spain Codman Engineers
19.30	Closing of the day	
20.30	Dinner	

Day 2 - Saturday 18th June 2011  
**CLINICAL SCIENCE**

Time	Session	Speakers
08.00 - 13.30	<b>CLINICAL TOPICS</b>	
08.00 - 08.30	Intrathecal Drug Agents: Available drugs and evidence for efficacy and safety; recommended usage; switching and drug combining	Volker Tronnier Universitätsklinikum Schleswig-Holstein. Germany
08.30 - 09.00	Technical Aspects of Intrathecal Drug Delivery: Patient selection, screening and preparation; Trialling; titrating; devices	Sam Eldabe The James Cook University Hospital. London
09.00 - 09.30	Technical Aspects of intrathecal Drug Delivery; Interactions with Medical, electrical and/or magnetic equipment e.g. diathermy, physiotherapy equipment; MRI scanners; other implanted devices e.g. cardiac pacemakers	Ivano Dones Istituto Neurologico Besta. Milano. Italia
09.30 - 13.00	<b>STRATEGIES AND DECISIONS IN SPECIFIC CLINICAL CONDITIONS</b>	
09.30 - 10.00	Failed Back Surgery Syndrome	TBA
10.00 - 10.30	Cancer pain	Sam Eldabe The James Cook University Hospital. London
10.30 - 11.00	<b>Break</b>	
11.00 - 11.30	Neuropathic pain	Simon Thompson Orsett Hospital. Essex. UK
11.30 - 12.00	Chronic abdominal pain	Volker Tronnier Universitätsklinikum Schleswig-Holstein. Germany
12.00 - 12.30	Spasticity after Stroke or spinal cord injury	Ivano Dones Istituto Neurologico Besta. Milano. Italia
12.30 - 13.00	Strategies in the follow-up of intrathecal drug infusion - Lack of efficacy: Programming decision - Excess in residual volume: Mechanical Tests, plan for and manage ITDD pump replacements	Sam Eldabe The James Cook University Hospital. London
13.00 - 13.30	Recognition and management of complications -related to the patient -related to drugs -related to the ITDD device	José De Andrés Consorcio Hospital General Universitario. Valencia
13.30 - 13.35	Closing Remarks	José De Andrés Consorcio Hospital General Universitario. Valencia
13.45 - 15.00	<b>Lunch</b>	
15.30	<b>Departures</b>	