GENERAL INFORMATION

DATES AND LOCATION

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 University 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.

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.
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
To register for this programme, please contact with:

EUROPEAN CONTINUING MEDICAL TRAINING
Cora Vugts
Email: registration@ecmt-training.com

LOCAL ORGANISER:
Cristina Cruz. FUNDOLOR
Email: cruz_cri@gva.es

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.

NEXT COURSES
COURSE XIV

COURSE XV

ADVANCED COURSE

CLINICAL & BASIC SCIENCE
FOR THE MANAGEMENT OF THE CHRONIC PAIN PATIENT:
NEUROSTIMULATION-COURSE XIII
November 24th-25th, 2017
Barcelona, Spain

Organised by:

Cristina Cruz
FUNDOLOR
Multidisciplinary Pain Management Department.
Anesthesia Department.
Consorcio Hospital General Universitario de Valencia.
Avinguda Tres Cruces, s/n. 46014-Valencia
Email: cruz_cri@gva.es
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Our gratitude for the collaboration given by the following companies:

PHILIPS

Under the auspicious of:

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ANESTHESIOLOGY ACADEMIC AREA
DPT OF SURGERY AND SURGICAL SPECIALTIES
HUMAN ANATOMY AND EMBRYOLOGY UNIT.
UNIVERSITY OF BARCELONA

Under the auspicious of:

MORE INFORMATION ON www.academyfundolor.org
### Day 1 - Friday 24th November 2017

**BASIC SCIENCE**

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<td>Introduction and Welcome</td>
<td>José De Andrés, Carmen Gomar</td>
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<td>Albert Prats, Albert Prats</td>
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<td>08.40 - 10.00</td>
<td>ANATOMY FOR PAIN CLINICIANS</td>
<td>Albert Prats</td>
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<td>08.40 - 09.30</td>
<td>Anatomy for Cranial and spine procedures</td>
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<td>09.30 - 10.00</td>
<td>Applied Anatomy for spinal cord neuromodulation</td>
<td>José De Andrés</td>
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<td>10.00 - 11.00</td>
<td>IMAGING TECHNIQUES FOR PAIN CLINICIANS</td>
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<td>10.00 - 10.30</td>
<td>SAFETY AND SETTINGS FOR BETTER X-RAY IMAGES</td>
<td>Jordi Blasco</td>
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<td>10.30 - 11.00</td>
<td>MRI and CT-Scan (modalities)</td>
<td>Beatriz Gómez-Ansón</td>
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<td>11.00 - 11.30</td>
<td>Break</td>
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<tr>
<td>11.30 - 13.30</td>
<td>NEUROPHYSIOLOGY FOR CHRONIC PAIN CLINICIANS</td>
<td>Bengt Linderoth</td>
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<td>12.00 - 12.30</td>
<td>Neurophysiological mechanisms of spinal cord stimulation</td>
<td>Michelangelo Buonocore</td>
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<td>12.30 - 13.00</td>
<td>Changes in somatosensory evoked potentials and &quot;motor&quot; function and correlation with spinal cord stimulation mechanisms of action</td>
<td>Didier Bouhassira</td>
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<td>13.00 - 13.30</td>
<td>Cortical stimulation for pain control from anecdote to evidence via neurophysiology and imaging</td>
<td>Luis García-Larrea</td>
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<td>13.45 - 15.00</td>
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<td>15.30 - 19.30</td>
<td>CADAVER. HANDS-ON DEMONSTRATION</td>
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<tr>
<td>1. Neuromodulation PNS</td>
<td>Carlsson</td>
<td>Klintem Gatzinsky</td>
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<td>2. Percutaneous lead paraspinal insertion anchoring systems. Tunnelling and pocket creation</td>
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<td>3. Retrograde stimulation transformalional, sacral perineal stimulation</td>
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<td>4. Neuromodulation Visceral pain</td>
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<td>Sam Eldabe</td>
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<td>5. Ultrasonography Station MODEL (2)</td>
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<td>6. Technical Station</td>
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<td>Devices and programming</td>
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<td>Sam Eldabe</td>
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<td>19.30</td>
<td>Closing of the day</td>
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<td>20.30</td>
<td>Dinner</td>
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</table>

### List of Speakers

- **Bengt Linderoth**
  - Neurosurgeon
  - Karolinska Institutet, Dept. Clinical Neuroscience, Section of Neurosurgery
  - bengt.linderoth@ki.se

- **Beatriz Gómez-Ansón**
  - University of Barcelona. Barcelona, Spain
  - bgomeza@santpau.cat

- **Michelangelo Buonocore**
  - Unit of Clinical Neurophysiology and Neurodiagnostic Skin Biopsy
  - Fondazione Salvatore Maugeri, Pavia, Italy
  - michelangelo.buonocore@fs.unipr.it

- **Didier Bouhassira**
  - University Hospital Clinic i Provincial. Barcelona, Spain
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- **José De Andrés**
  - Anesthesiologist
  - Balgrist University Hospital
  - Urs Eichenberger MD
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- **Kliment Gatzinsky**
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  - Fondazione Salvatore Maugeri, Pavia, Italy
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- **Kliment Gatzinsky**
  - Neurosurgeon
  - Sahlgrenska University Hospital
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- **Leonardo Kapural**
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- **Leo Kapural**
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