Organised by:
SERVICIO DE ANESTESIOLOGÍA REANIMACIÓN Y TRATAMIENTO DEL DOLOR
ANESTHESIOLOGY ACADEMIC AREA
DPT OF SURGERY AND SURGICAL SPECIALITIES
HUMAN ANATOMY AND EMBRYOLOGY UNIT.
UNIVERSITY OF BARCELONA

CLINICAL & BASIC SCIENCE FOR THE MANAGEMENT OF THE CHRONIC PAIN PATIENT:
NEUROSTIMULATION-COURSE XIV
November 30th- December 1st, 2018
Barcelona, Spain

Organised by:
Cristina Cruz
FUNDOLOR
Multidisciplinary Pain Management Department
Anesthesia Department
Consorcio Hospital General Universitario de Valencia
Avda. Tres Cruces, s/n. 46014-Valencia (Spain)
Email: cruz_cri@gva.es
Phone: + 34 96 119 9626

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 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.

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.
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. Indentify 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.

REGISTRATION
REGISTRATION: 1600€
To register for this programme, please contact with:
Cristina Cruz. FUNDOLOR
Email: fundolor_hgv@gva.es

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Anesthesia Department
Consorcio Hospital General Universitario de Valencia
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Email: cruz_cri@gva.es
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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 arrangements, according the course schedule

NEXT COURSES
COURSE XV
November 29th-30th 2019. Barcelona, Spain

Our gratitude for the collaboration given by the following companies:

MORE INFORMATION ON www.academyfundolor.org
### Day 1 - Friday 30th November 2018

**BASIC SCIENCE**

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<th>Time</th>
<th>Session</th>
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<td>Introduction and Welcome</td>
<td>José De Andrés, Carmen Gomar, Albert Prats</td>
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<tr>
<td>08.40 - 10.00</td>
<td>ANATOMY FOR PAIN CLINICIANS</td>
<td>Albert Prats</td>
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<tr>
<td>09.30 - 10.00</td>
<td>Applied Anatomy for spinal cord neuro modulation</td>
<td>José De Andrés</td>
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<tr>
<td>10.00 - 11.00</td>
<td>IMAGING TECHNIQUES FOR PAIN CLINICIANS</td>
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<tr>
<td>10.00 - 10.30</td>
<td>SAFETY AND SETTINGS FOR BETTER X-RAY IMAGES</td>
<td>Jordi Blasco</td>
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<tr>
<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 - 12.00</td>
<td>NEUROPHYSIOLOGY FOR CHRONIC PAIN CLINICIANS</td>
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<tr>
<td>09.30 - 09.30</td>
<td>GUIDELINES FOR REDUCING COMPLICATIONS IN NEUROSTIMULATION THERAPY</td>
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<tr>
<td>10.00 - 13.30</td>
<td>PROCEDURAL CONSIDERATIONS AND PATIENT MANAGEMENT: CASE BASED</td>
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<tr>
<td>12.00 - 12.30</td>
<td>Intraoperative neurophysiological monitoring for optimization of electrode placement and Spinal Cord Stimulation Programming</td>
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<tr>
<td>12.30 - 13.00</td>
<td>Pre-and Postoperative monitoring in Neurostimulation Therapy</td>
<td>Didier Bouhassira</td>
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<tr>
<td>13.00 - 13.30</td>
<td>Cortical stimulation for pain control. From evidence to neurophysiology and imaging</td>
<td>Luis García-Larrea</td>
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<td>13.45 - 15.00</td>
<td>Lunch</td>
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<td>15.00 - 20.00</td>
<td>CADAVER. HANDS-ON DEMOSTRATION</td>
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<tr>
<td></td>
<td>1. Neuromodulation PNS</td>
<td>Denys Fontaine</td>
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<tr>
<td></td>
<td>Cadaver 1 supine supratroclear and supraorbital</td>
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<td>Cadaver 2 Pone Occipital nerve stimulation (ONS)</td>
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<td>2. Percutaneous lead paraspinal insertion anchoring systems</td>
<td>Steven Falowski</td>
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<td>Tunnelling and pocket creation</td>
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<td>CADAVER (1) PONE Trunk-Neck</td>
<td>Gustavo Fabregat</td>
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<td>3. Pelvic and perineal stimulation for somatic and visceral pain Cadaver Station</td>
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<td>CADAVER (1) PONE Trunk with Pelvis</td>
<td>Jean P. Van Buyen</td>
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<td>Techniques retrograde - trans Foraminal</td>
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<td>4. Neuromodulation Visceral pain Cadaver Station</td>
<td>Urs Eichenberger</td>
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<td>CADAVER (1) PONE Trunk-Neck</td>
<td>Jose Luis Durá</td>
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<td>5 Ultrasonography Station</td>
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<td>MODEL (1)</td>
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<td>6 Technical Station</td>
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<td>Devices and programming</td>
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<tr>
<td>20.00</td>
<td>Closing of the day</td>
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<td>20.30</td>
<td>Dinner</td>
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### Day 2 - Saturday 1st December 2018

**CLINICAL SCIENCE**

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<td>08.30 - 09.30</td>
<td>PROCEDURAL CONSIDERATIONS AND PATIENT MANAGEMENT: CASE BASED</td>
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<tr>
<td>09.00 - 09.30</td>
<td>Ways to improve effectiveness of Spinal Cord Stimulation: new SCS algorithms; modulation of stimulation parameters, different leads, adjunct pharmacotherapy</td>
<td>Bengt Linderoth</td>
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<tr>
<td>09.30 - 10.00</td>
<td>Guidelines for reducing complications in neurostimulation practice. Management of Interactions with Medical, electrical and/or magnetic equipment</td>
<td>José De Andrés</td>
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<tr>
<td>10.00 - 13.30</td>
<td>DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT: CASED BASED</td>
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<tr>
<td>12.00 - 12.30</td>
<td>Peripheral Nerve stimulation. Current indications and modalities and their evidence based in outcomes</td>
<td>Denys Fontaine</td>
</tr>
<tr>
<td>12.00 - 13.00</td>
<td>Spinal cord stimulation for critical peripheral ischemia and angina pectoris. Mechanisms and outcomes</td>
<td>Bengt Linderoth</td>
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<tr>
<td>13.00 - 13.30</td>
<td>Suprasspin stimulation for treatment of refractory pain</td>
<td>Denys Fontaine</td>
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<tr>
<td>14.15 - 15.30</td>
<td>Lunch</td>
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<tr>
<td>15.30</td>
<td>Departures</td>
<td></td>
</tr>
</tbody>
</table>

**Faculties**

- Jordi Blasco MD
  - Interventional radiologist
  - Unit of Interventional Vascular Radiology
  - Hospital Clinic Provincial. Barcelona Spain
  - jblasco@bsic.csic.es

- Didier Bouhassira MD
  - Neurologist
  - Centre de Traitement et d’Evaluation de la Douleur
  - CHU Ambroise Par
  - Boulogne-Billancourt, France
  - didier.bouhassira@laposte.fr

- Gustavo Fabregat
  - Cardiologist
  - Hospital Clinic and Regional University Hospital. Valencia
  - gfabregat@gmail.com

- José De Andrés MD, PhD
  - Neurologist
  - Valencia University Medical School
  - General University Hospital. Valencia Spain.
  - jose.andres100@gestion.saludvalencia.es

- Jose Luis Durá MSc
  - Electronic Engineer.
  - jose@jlsystems.com

- Sam Eldabe MD
  - Anesthesiologist
  - The James Cook University Hospital. Middlesbrough. United Kingdom
  - seldabe@nmc.com

- Urs Eichenberger MD
  - Neurologist
  - Klinik St. Anna
  - Luzern. Switzerland
  - urs.eichenberger@klinik-luzern.ch

- Gustavo Fabregat
  - Anesthesiologist
  - General University Hospital. Valencia Spain.
  - gfabregat@gmail.com

- Steven Falowski MD, FAANS
  - Director Functional Neurosurgery
  - St. Luke’s University Health Network
  - Bethesda, MD, USA
  - sfalowski@gmail.com

- Denys Fontaine
  - Neurosurgeon
  - Department of Neurosurgery. Hospital Clinic i Provincial. Barcelona Spain
  - denys.fontaine@clinic.ub.es

- Jean Pierre Van Buyen
  - Anesthesiologist
  - Pain Clinic AZ Maria Middelares Sint-Niklaas. Belgium
  - vanbuyen@kjnet.be

- Carmen Gomar
  - Anesthesiologist
  - Hospital Clinic i Provincial. Barcelona Spain
  - jldura@tecnosalud.es

- Carmen Gomar
  - Anesthesiologist
  - Hospital Clinic i Provincial. Barcelona Spain
  - jldura@tecnosalud.es

- Denys Fontaine
  - Neurosurgeon
  - Department of Neurosurgery. Hospital Clinic i Provincial. Barcelona Spain
  - denys.fontaine@clinic.ub.es

- José De Andrés
  - Neuroanatomy
  - Hospital Clinic i Provincial. Barcelona Spain
  - jldura@tecnosalud.es

- Albert Prats
  - Professor of Anatomy
  - University of Barcelona. Barcelona Spain
  - aprats@ub.edu

- Jean Pierre Van Buyen
  - Anesthesiologist
  - Pain Clinic AZ Maria Middelares Sint-Niklaas. Belgium
  - vanbuyen@kjnet.be

- Carmen Gomar
  - Anesthesiologist
  - Hospital Clinic i Provincial. Barcelona Spain
  - jldura@tecnosalud.es

- Denys Fontaine
  - Neurosurgeon
  - Department of Neurosurgery. Hospital Clinic i Provincial. Barcelona Spain
  - denys.fontaine@clinic.ub.es

- José De Andrés
  - Neuroanatomy
  - Hospital Clinic i Provincial. Barcelona Spain
  - jldura@tecnosalud.es

- Albert Prats
  - Professor of Anatomy
  - University of Barcelona. Barcelona Spain
  - aprats@ub.edu

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