



GENERAL INFORMATION

DATES AND LOCATION

June 16th – 17th, 2017. Barcelona, Spain

LECTURES: "Sala de Actos" Clinic University Hospital .
Villarroel 170.08036 Barcelona Spain.

Location: 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.

Location 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
and Pain Management

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
Critical Care

Hospital Clinic i Provincial

Villarroel 170.08036 Barcelona Spain

Prof. Albert Prats

Professor of Anatomy, Barcelona University Medical School
Casanova 143. 08036 Barcelona Spain

Dr Gustavo Fabregat-Cid

Staff Anesthesiologist. Multidisciplinary Pain Management
Center

Department of Anesthesiology and Critical Care and Pain
Management

Valencia University General Hospital

Tres Cruces s/n, 46014-Valencia (Spain)

Dr Xavier Sala-Blanch

Associate Professor of Anatomy

Staff Anesthesiologist. Department of Anesthesiology and
Critical Care

Hospital Clinic i Provincial

Villarroel 170.08036 Barcelona Spain

TARGET AUDIENCE

This course is designed for pain practitioners (pain
specialists, anesthesiologists, neurosurgeons) utilizing
intrathecal drug delivery for pain management both in
cancer and non cancer patients. Also interesting 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, and with basic knowledge of spinal
analgesia using intrathecal drug delivery.

OBJECTIVES

After participation in this educational meeting, participants
should have an understanding of:

1. Basic neuroanatomy related with the performance of
intrathecal drug delivery
2. Current imaging and neurophysiology relevant for
performing diagnosis and performing the intrathecal
drug delivery for pain & spasticity treatment
3. Identify questions that need to be addressed to increase
knowledge of intrathecal techniques used in chronic pain
treatment

4. Current indications of Intrathecal drug delivery in chronic
pain and recommendations for the evaluation and mana-
gement of these pain conditions
5. Evidence-Based recommendations and strategies in the
patient screening and follow-up, in the managemet of
intrathecal drug delivery analgesia
6. Learning Case scenarios for the acquisition of critical
assessment and management skills

ACCREDITATION

An Application has been made to the EACCME ® for CME
accreditation of this event.

REGISTRATION

REGISTRATION: 1600 €

To register for this programme, please contact with:

LOCAL ORGANISER:

Cristina Cruz. FUNDOLOR

Email: cruz_cri@gva.es

Multidisciplinary Pain Management Department
Anesthesia Departmen

Consorcio Hospital General Universitario de Valencia

Avda. Tres Cruces, s/n. 46014-Valencia (Spain)

Phone + 34 96 1199626

The fee includes:

- Registration
- Conference Package
- Meals (2 work lunch and 1 dinner)
- Accomodation (bed&breakfast) – 2 nights

Each delegate is reponsible for his/her travel arrangements

VENUES

LECTURES:

Clinic University Hospital. Sala de Actos. Left Wing from
Main Entrance in Villarroel Streer, 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 2nd June 2017

Bank transfer to FUNDOLOR. BBVA

IBAN ES22 0182 7710 49 0201661528

SWIFT: BBVAESMMXXX

Cancellations must have been received by email by June
13th to obtain a refund. All cancellations received by
this date are subjected to 100€ administration fee.
Cancellations received after this date will not be refunded

Under the auspicious of:



Our gratitude for the collaboration given by the following
companies:

PHILIPS

INTRATHECAL DRUG DELIVERY COURSE VI BASIC & CLINICAL SCIENCE FOR THE MANAGEMENT OF PATIENTS WITH CHRONIC PAIN:

June 16th - 17th, 2017

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

Under the auspicious of



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 96 119 9626

Fax: + 34 96 119 9601

MORE INFORMATION ON www.academyfundolor.org



Day 1 - Friday 16th June 2017_BASIC SCIENCE

Time	Session	Speakers
08.15-08.30	Introduction and Welcome	José De Andrés Carmen Gomar Albert Prats
08.30-09.30	ANATOMY FOR PAIN CLINICIANS: Spinal Cord and Spine for IDD	
08.30-09.00	Anatomy of DRG, intrathecal nerve roots, epidural fat and epidural nerves. Anatomy of spinal vasculature	Albert Prats
09.00-09.30	Catheter position and dynamics of CSF relevant for IDD	Jose De Andrés
09.30-10.30	IMAGING TECHNIQUES FOR PAIN CLINICIANS	
09.30-10.00	MRI and CT-Scan (modalities) How to make the best selection for the intended diagnosis	Beatriz Gómez-Ansón
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	The spinal meninges and their role in the spinal movement	Miguel Angel Reina
11.00-11.30	Break	
11.30-13.30	BASIC KNOWLEDGE OF NEUROPHYSIOLOGY & PHARMACOLOGY INVOLVED IN IDD EFFECTS	
11.30-12.00	Spinal cord physiology	Anna Maria Aloisi
12.00-12.30	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	Tony L. Yaksh
12.30-13.00	Potential mechanisms of action of spinally administered drugs	Anna Maria Aloisi
13.00-13.30	Intrathecal Drug Agents: Mechanism of Spinal drug toxicity	Tony L. Yaksh
13.45-15.00	Lunch	
15.30-18.30	CADAVER. HANDS-ON DEMOSTRATION 1. Cadaver Station -Surgical performance of subcutaneous pocket -Refilling procedure with Ultrasonography guidance CADAVER (1) SUPINE Trunk Pelvis 2. Cadaver Station -Surgical performance of subfascial subcutaneous pocket -Refilling procedure with Programming guidance CADAVER (1) SUPINE Trunk Pelvis 3. Cadaver Station Paraspinal Puncture and Catheter fixation at spine level CADAVER (1) PRONE Trunk Pelvis 4. Cadaver Station Puncture and catheter feeding in subarachnoid space Catheter tunnelling and pump connection CADAVER (1) PRONE Trunk Pelvis 5.-Ultrasonography Station Neuraxial structures Transversus abdominis Plane (TAP) block with Ultrasonography guidance for field anesthesia in pump implant MODEL (1) 6.-Technical Station Devices and programming	Salim Hayek Gustavo Fabregat Volker Tronier Engineer Sam Eldabe Denis Dupoiron Manfred Greher Engineers
18.30-19.30	Learning Case scenarios 6 groups divided according colour code	
21.00	Dinner	



Day 2 - Saturday 17th June 2017_CLINICAL SCIENCE

Time	Session	Speakers
08.30-10.00	TECHNICAL ASPECTS OF INTRATHECAL DRUG DELIVERY	
08.30-09.00	Patient Selection criteria, screening and preparation; Trial criteria modalities; titrating; devices available in the market for trialling; Pump Hardware selection	Sam Eldabe
09.00-09.30	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 live	Aafje tom Dieck
09.30-10.00	Strategies in the follow-up of intrathecal drug infusion -Lack of efficacy: Programing and drug exchange/combination decision -Opioid scalation and Microdosing -Excess in residual volume: Mechanical Tests, plan for and manage ITDD pump replacements	Salim Hayek
10.00-13.30	DISEASE SPECIFIC PAIN ASSESSMENT AND MANAGEMENT WITH IDD	
10.00-10.30	Failed back syndrome and chronic mechanical low back pain	Volker Tronnier
10.30-11.00	Break	
11.00-11.30	Neuropathic pain	Sam Eldabe
11.30-12.00	Chronic abdominal and pelvic/perineal pain	Salim Hayek
12.00-12.30	Cancer pain	Denis Dupoiron
12.30-13.00	Recognition and management of complications -related to the patient -related to drugs -related to the ITDD device	José De Andrés
13.30-13.35	Closing Remarks	José De Andrés
13.45-15.00	Lunch	
15.30	Departures	

List of Speakers

Anna Maria Aloisi Dpt of Medicine, Surgery and Neuroscience University of Milan. Italy annamaria.aloisi@unisi.it	Denis Dupoiron MD Anesthesiologist Department of Anesthesia. Valencia University Medichal School	Salim Hayek MD Anesthesiologist University Hospitals of Cleveland Cleveland. USA. Salim.Hayek@UHhospitals.org
Jordi Blasco MD Radiologists Unit of Intervencionist Vascular Interventional Radiology Hospital Clinic i Provincial. Barcelona. Spain jblasco@clinic.ub.es	Sam Eldabe MD Anesthesiologist The James Cook University Hospital. Middlesbrough. United Kingdom seldabe@mac.com	Albert Prats MD, PhD Professor of Anatomy Anatomy Department University of Barcelona. Barcelona Spain aprats@ub.edu
José De Andrés MD, PhD, FIPP, EDRA Anesthesiologist Professor of Anesthesia. Valencia University Medichal School. Chairman. Department of Anesthesiology and Critical Care. Director of Multidisciplinary Pain Management Center General University Hospital. Valencia. Spain. deandres_jos@gva.es	Gustavo Fabregat MD, PhD Anesthesiologist General University Hospital. Valencia. Spain. gfabregat@gmail.com	Miguel Angel Reina MD Anesthesiologist Montepríncipe University Hospital Madrid, Spain. miguelangel@perticonic.e.telefonica.net
Aafje tom Dieck Therapy Development Manager intrathekale Pumpentherapie Restorative Therapies Group Germany aafje.tom.dieck@medtronic.com	Beatriz Gómez-Anson MD Radiologist Neuroradiology Hospital Santa Cruz y San Pablo. Barcelona Spain bgomez@santpau.cat	Volker Tronnier MD Neurosurgeon Universitätsklinikum Schleswig-Holstein Campus Lübeck, Germany. volker.tronnier@uk-sh.de
Manfred Greher MD Anesthesiologist Herz- Jesu Hospital Vienna, Austria manfred.greher@univie.ac.at Manfred.Greher@kh-herzjesu.at		Tony L. Yaksh MD, PhD Anesthesiology and Pharmacology University of California. San Diego USA tyaksh@ucsd.edu