

## GENERAL INFORMATION

### LOCATION

#### LECTURES:

Medical School of Medicine.  
Main entrance from Casanova Street 143  
Room 4.1. 4th 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. Albert Prats

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

#### Dr. Xavier Sala-Blanch

Associate Professor of Anesthesia.  
Barcelona University Medical School  
Department of Abesthesiology and Reanimation  
Hospital Clinic i Provincial  
Villarroel 170. 08036 Barcelona. Spain

#### Course Co-Director

Gustavo Fabregat, MD, PhD

### AIM OF THE COURSE and TARGET AUDIENCE

This course will consist of hands-on practice with the cadaver, and interactive sessions. The aim of this course is to provide the participant information and all possibilities pain medicine today provides for the management of patients with chronic pain. The correct diagnosis and appropriate therapeutic selection will be the keys to the success of treatment achieved.

This course is designed for Pain physicians or pain medicine fellows in training (pain specialists, anesthesiologists, neurosurgeons), interested in the practice of pain management, who seek the latest developments in interventional techniques, also seeking CME credit hours and introduction or review of proven interventional techniques. The participants of this course must have basic knowledge of pain medicine and practice of interventional procedures. The course serves to introduce new ways of working, consolidate previously acquired knowledge and teach new procedures to improve the professional capacity of the physician.

### We recommend these books as reference preparation

- S. Diwan, P. Staats Atlas of Pain medicine Procedures. Mc Graw – Hill Education. Medical 2015.
- P. Raj, L. Lou Interventional Pain Management: Image-guided Procedures. Saunders/Elsevier, 2008
- SN. Narouze. Atlas of Ultrasound-Guided Procedures in Interventional Pain Management. Springer, 2011
- MA. Reina, J De Andres, A. Hadzic, A. Prats-Galino, X. Sala-Blanch. Atlas of functional anatomy for regional anesthesia and Pain Medicine. Springer, 2015

### BY ATTENDING, PARTICIPANT WILL BE ABLE TO:

Physicians should be able to integrate multiple aspects of ultrasound and fluoroscopy in interventional pain management in treating their patients so that patients have better outcomes.

This 2-day hands on cadaver course will promote a better understanding of the anatomy and pathophysiology, involved in chronic pain, and critically review novel state-of-the-art interventional techniques for management of chronic pain. We offer live fluoroscopy-guided and ultrasound-guided workshops covering head upper, lower extremities, trunk and pelvic-perineal procedures.

Each cadaver station is limited to a maximum of 7 participants. C-arms, ultrasonography and state-of-the-art equipment are utilized in this course.

Our faculty consists of internationally renowned experts in the field of interventional techniques.

### OBJECTIVES

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

- 1.-Basic neuroanatomy related with the performance of pain therapies
- 2.-Identify questions that need to be addressed to increase knowledge of interventional procedures used in pain treatment
- 3.-Perform craneo-facial and spinal procedures of the cervical, dorsal lumbar spine and pelvis.
- 4.-Define the characteristics of an ultrasound image and identify all landmarks of the cervical, lumbar and caudal.
- 5.-Define the principals and standards of an MSK ultrasound examination and perform ultrasound guided MSK injections of the shoulder, trunk, hip and knee.

### ACCREDITATION

An Application has been made to the EACCME® for CME accreditation of this event provided by the **European Union of Medical Specialists (UEMS)**.

### REGISTRATION

Registration fee: 1.700'00 €

To register for this course contact with  
Cristina Cruz.  
Multidisciplinary Pain Management Department  
Anesthesia Department  
Consorcio Hospital General Universitario de Valencia  
Avda. Tres Cruces, s/n. 46014-Valencia (Spain)  
Email: [cristina.cruz@academyfundolor.org](mailto:cristina.cruz@academyfundolor.org)  
Phone + 34 96 345 5485

The fee includes:

- Registration
- Conference package
- Meals (2 lunch work and 1 dinner)
- Accommodation (2 nights Thursday & Friday)

Each delegate is responsible for his/her Travel arrangements, according to the course schedule

This program is developed with the support of:

ABBOTT	INOMED
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FUJIFILM SONOSITE	SURGINOR
HALYARD	WISONIC

## ADVANCED PAIN COURSE

## INTERVENTIONAL PROCEDURES FOR THE MANAGEMENT OF THE CHRONIC PAIN PATIENT COURSE 8TH

April 12th-13th 2024  
Barcelona, Spain

Organised by:



SERVICIO DE ANESTESIOLOGIA  
REANIMACIÓN Y TRATAMIENTO  
DEL DOLOR



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



Facultat de Medicina i Odontologia  
Departament de Cirurgia

Supported by



Course Organiser:

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MORE INFORMATION ON [www.academyfundolor.org](http://www.academyfundolor.org)

Day 1 - Friday 12th April 2024  
CRANEAL CERVICAL & THORACIC

Time	Session	Faculty
08.00-08.10	Introduction and Welcome	José De Andrés Albert Prats
08.15-09.30	<b>ANATOMY FOR PAIN CLINICIANS</b>	
08.15-08.40	Anatomy for Craneofacial procedures Anatomy for Cervical Procedures	Alberto Prats
08.40-09:05	Anatomy for Thoracic Procedures	Alberto Prats
09:05-09:30	Anatomy for lumbosacral Procedures	Alberto Prats
09:30-10.30	<b>IMAGING FOR PAIN CLINICIANS</b>	
09.30-10.00	Basic Knowledge in the management of Ultrasonography	Andrzej Krol
10:00-10:30	Basic Knowledge in the management of Endoscopy Procedures	Richard Ibrahim
10.30-11.00	Break	
11.00-13.30	<b>INTERVENTIONAL PROCEDURES CADAVER. HANDS-ON DEMONSTRATION</b>	
	<b>Station 1</b> Ultrasound-Guided Atlanto-Axial and Atlanto-Occipital Joint Injections. Sonoanatomy and US-Guided Technique for Cervical Selective Nerve Root Block	Kenneth Candido
	<b>Station 2</b> KNEE Joint chronic pain Genicular Nerves block and radiofrequency procedures FOOT perineural connective tissue and foot fasciae-Morton's neuroma	Michal But
	<b>Station 3</b> Spinal endoscopy: epiduroscopy basic principles and clinical application	Richard Ibrahim
	<b>Station 4</b> Radiofrequency Sacroiliac Joint. Cool RF	Thomas Haag
	<b>Station 5 Ultrasonography</b> Cervical Medial-Branch and Treatment of third occipital nerve (TON) cervicogenic headache Radiofrequency procedures	Andrzej Krol
	<b>Station 6 Ultrasonography</b> Chronic shoulder pain: Ultrasound-guided nerve blocks and pulsed radiofrequency	Alejandro Ortega
13.45-15.30	Lunch	
16:00-18.30	<b>INTERVENTIONAL PROCEDURES CADAVER. HANDS-ON DEMONSTRATION</b>	
	<b>Station 1</b> Sphenopalatine ganglion procedures Gasser Ganglion procedures	Michal But
	<b>Station 2</b> Cervical Discogenic pain. Disc Decompression-Laser-Radiofrequency Hydrogel	Aaron Calodney
	<b>Station 3</b> Endoscopic ablation of the lumbar facet and sacroiliac joints	Richard Ibrahim
	<b>Station 4</b> Thoracic pain Radiofrequency of the DRG & facet joints	Thomas Haag
	<b>Station 5 Ultrasonography</b> Occipital Nerve Blocks and radiofrequency; Erector spinae muscle Block	Alejandro Ortega
	<b>Station 6 Ultrasonography</b> Stellate ganglion block; Thoracic wall blocks (PECS I, PECS II and Serratus plane block	Xavier Sala-Blanch
18.30	Closing of the Day	
20.30	Dinner	

Day 2 - Saturday 13th April 2024  
LUMBAR & PELVIS SCIENCE

Time	Session	Faculty
08.15-10.45	<b>INTERVENTIONAL PROCEDURES CADAVER. HANDS-ON DEMONSTRATION</b>	
	<b>Station 1</b> Cryoanalgesia denervation of the lumbar facet joints	Marius Ambrock
	<b>Station 2</b> Lig Flavum Decompression procedure (MILD)	Aaron Calodney
	<b>Station 3</b> Percutaneous transforaminal endoscopic distectomy (PTED)	Richard Ibrahim
	<b>Station 4</b> Lumbar spinal stenosis treatment - Indirect Decompression by prevention. Spinal Extension - Interspinous Spacers	Stefano Marcia
	<b>Station 5 Ultrasonography</b> Lumbar Medial-Branch and Quadratus Lumborum block Sacroiliac Joint Injection	Andrzej Krol
	<b>Station 6 Ultrasonography</b> Pudendal Nerve Block and Radiofrequency procedures Caudal Epidural Injections	Alejandro Ortega
10.45-11.15	Break	
11.15-13.45	<b>INTERVENTIONAL PROCEDURES CADAVER. HANDS-ON DEMONSTRATION</b>	
	<b>Station 1 xRay</b> Vertebral Augmentations: Methyl Methacrylate to SpineJack	Rubén Hernández
	<b>Station 2 xRay</b> Disc Decompression - Laser - Radiofrequency Hydrogel	Kenneth Candido
	<b>Station 3 xRay</b> Cancer Pain patients: Splanchnic nerves (greater, lesser, and least), Superior, Hypogastric Plexus	Michal But
	<b>Station 4 xRay</b> Low back pain spondylolisthesis-Interspinous biomechanical stabilization	Stefano Marcia
	<b>Station 5 Ultrasonography</b> Hip Joint chronic pain Pericapsular nerve group (PENG) and radiofrequency procedures	Thomas Haag
	<b>Station 6 Ultrasonography</b> Lower Lumbar Buttock chronic pain: Superior cluneal nerves & Piriformis Muscle Injection	Alejandro Ortega
14.00	Closing of the Meeting	

List of Faculty

**Marius Ambrock, MD**  
Orthopedics and trauma surgery  
Klinikum Wolfsburg.  
Wolfsburg, Germany  
Michal But MD, PhD  
Anesthesiologist  
Consultant Anaesthetist & Pain Specialist  
Regional Hospital  
Koszalin, Poland

**Aaron Calodney MD**  
Anesthesiologist  
Baylor Scott and White Texas Spine Hospital  
Tyler, Texas, USA  
Kenneth Candido, MD  
Anesthesiologist  
Chairman, Department of Anesthesiology  
Advocate Illinois Masonic Medical Center  
Chicago, IL USA

**José De Andrés MD, PhD, FIPP, EDRA, EDPM**  
Anesthesiologist  
Valencia University Medical School.

Department of Anesthesiology Critical Care and  
Multidisciplinary Pain Management Center  
General University Hospital.  
Valencia, Spain

**Thomas Haag, MD, FRCA, FFPMRCA**  
Anesthesiologist  
Lead Consultant & Clinical Lecturer in  
Pain Management  
Maelor Hospital, Wrexham, UK

**Rubén Hernández, MD**  
Orthopedic Surgeon  
Clinic University Hospital Valladolid, Spain

**Richard Ibrahim, MD**  
Orthopedic Surgeon  
Frankfurt, Germany

**Andrzej Krol, MD, DEAA, FRCA, FFPMRCA, EDPM**  
Consultant in Anaesthesia and Pain Medicine  
St. George's University Hospitals.  
London, UK

**Stefano Marcia, MD**  
Interventional Radiologist  
Ahead Diagnostic and Interventional Radiology Unit,  
Hospital "Santissima Trinità", ATS Sardegna ASL,  
Cagliari, Italy.

**Alejandro Ortega, MD**  
Anesthesiologist  
Hospital Asepeyo.  
Madrid, Spain

**Albert Prats MD PhD**  
Professor of Anatomy  
Anatomy Department  
University of Barcelona, Barcelona Spain

**Xavier Sala-Blanch, MD, PhD**  
Anesthesiologist.  
Associate Professor of Anatomy.  
Department of Anesthesiology and Intensive Care.  
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