Madrid, Spain
10 November 2026

GEER
SPANISH SPINE SOCIETY

SPPCV
SOCIEDADE PORTUGUESA DE PATOLOGIA DA COLUNA VERTEBRAL

Spanish & Portuguese Spine Societies Course Diploma

Module 1

Basic Comprehensive Course

PROGRAMME

Event Compliant
MedTech Europe
EMT Number: EMT-26-10136

Accredited by the European
Accreditation Council for Continuing
Medical Education (EACCME®) with
4.5 European CME credits (ECMEC®s)

Tecnical Secretariat:
López Garrido Viajes y Congresos (V. Villarreal)
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QUICK FACTS

WHEN:

10 November 2026

WHERE:

Madrid. Spain

Course Venue:

Hotel AC La Finca
Pº del Club Deportivo, 1. Ed. 17
Parque empresarial La Finca
Pozuelo de Alarcón
28223 Madrid

REGISTRATION FEE:

300 € for Members*

400 € for Non Members

*Discounts for GEER and SPPCV members are available.

MAXIMUM ATTENDEES:

30 delegates

CME CREDITS:

Application for accreditation of continuing medical education

LANGUAGE:

English, Spanish and Portuguese (*The speaking is in Spanish or Portugues, but the slides are in English, live discussions are also in Spanish-Portuguese without translation available*)

DRESS:

Casual

IMPORTANT NOTE:

- Attendance at every session is mandatory.

COURSE CHAIRMAN

- **Manuel Fernández González**
  Spain

COURSE FACULTY

- Amal Abdul-Sayed Valdeolmillos
- Juan F. Blanco Blanco
- Manuel Fernández González
- Rafael Llombart Blanco
- Ana Morales Codina
- Mª Lourdes Peñalver Barrios
- Cristina Ruiz Juretschke
- Gloria Talavera Buedo

TARGET AUDIENCE

Senior trainees and trained surgeons, who are planning a career in spinal surgery

LEARNING OUTCOMES
SESSION 1
LOW BACK PAIN (LBP)

CLINICAL EXAMINATION

- Select appropriate clinical tests for a clinical situation
- Perform a safe and effective clinical examination
- Select appropriate communication skills with patients and their families

IMAGING IN LOW BACK PAIN

- Select appropriate radiologic exams for a clinical situation
- Discuss advantages and disadvantages of radiologic examination methods
- Be aware of radiation exposure when selecting an exam

DIFFERENTS PERSPECTIVES IN LBP

- Select appropriate radiologic exams for a clinical situation
- Discuss advantages and disadvantages of radiologic examination methods
- Be aware of radiation exposure when selecting an exam

REHABILITATION AND MANUAL THERAPY

- Be aware of the principles of the bio-psycho-social model
- Discuss the principles of a rehabilitation program
- Select appropriate patients for manual therapy

CASE BASED DISCUSSION: DIAGNOSTIC ALGORITHMS AND NON-SURGICAL APPROACH TO LOW BACK PAIN

- Use clinical information to formulate a diagnosis and treatment plan
- Recognising serious spine disorders: rule out red flags

LEARNING OUTCOMES
SESSION 2
FUNDAMENTAL RESEARCH I

BIOMECHANIC IN VITRO MODELS

- Outine loading in different positions of the spine
- Explain how loading changes with age and pathology
- Describe the basic principles of an in vitro experiment
- Discuss the interpretation and limitation for evaluation of biomaterials

FINITE ELEMENT MODELS

- Discuss applications for FE models
- Explain setup, boundary conditions and validation of FE models
- Interpretation and value of FE studies

BIOLOGY OF THE LUMBAR INTERVERTEBRAL DISC

- Outline principles of celluar and molecular biology of the nucleus
- Explain the role of nutrition and changes with age
- Discuss the role of genetics in disc degeneration
- Mechanical alteration of microstructures in the annulus

CELLULAR AND MOLECULAR

- Describe pre-clinical models for the intervertebral disc
- Outline principles of stem cell therapy for disc regeneration
- Explain the role of molecular for disc regeneration

LEARNING OUTCOMES
SESSION 3
FUNDAMENTAL RESEARCH II

EPIDEMIOLOGY & ECONOMICS

- Be aware of the impact of LBP on the society
- Explain outcome measures for quality of life and economy (QUALY)
- Discuss the impact of direct and indirect medical costs in LBP

PRINCIPLES OF CLINICAL RESEARCH

- How to design an appropriate clinical study and select classification criteria
- Discuss the use of study results for own clinical practice
- Define the role of registries

Scientific Programme

Chairman: **Manuel Fernández González**

Course attendance is mandatory

TUESDAY, 10 NOVEMBER

TIME	TOPIC	FACULTY
07:30-07:55	Course Registration	
07:55-08:00	Introduction	Manuel Fernández González
	SESSION 1: LOW BACK PAIN (LPB)	
08:00-08:20	Clinical Examination	Cristina Ruiz Juretschke
08:20-08:40	Imaging in Low Back Pain	Amal Abdul-Sayed Valdeolmillos
08:40-09:00	Different Perspectives on Low Back Pain	Gloria Talavera Buedo
09:00-09:20	Low Back Pain: Rehabilitation and Manual Therapy	Mª Lourdes Peñalver Barrios
09:20-09:50	Case Based Discussion - Diagnostic Algorithms and Non-Surgical Approach to Low Back Pain	Amal Abdul-Sayed Valdeolmillos
	SESSION 2: FUNDAMENTAL RESEARCH	
09:50-10:10	Biomechanic - In Vitro Models	Ana Morales Codina
10:10-10:30	Finite Element Models	Ana Morales Codina
10:30-10:50	Biology of the Lumbar Intervertebral Disc	Juan F. Blanco Blanco
10:50-11:10	Cellular and Molecular Research	Juan F. Blanco Blanco
11:10-11:30	Discussion	All Faculty
11:30-12:00	**Coffee Break**	
	SESSION 3: EPIDEMIOLOGY AND CLINICAL RESEARCH	
12:00-12:20	Epidemiology & Economics	Rafael Llombart Blanco
12:20-12:40	Principles of Clinical Research	Rafael Llombart Blanco
12:40-13:00	Discussion	All Faculty
13:00-13:20	Closing Remarks, Diploma and Mandatory Course Evaluation	Manuel Fernández González
13:30-14:30	**Lunch**	

END OF MODULE

Recommended Reading

Part I Basic Module 1: Conservative Therapy. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach. Switzerland: Springer.

- E. Shiban and B. Meyer (2019). Treatment for Acute, Subacute and Chronic Low Back Pain. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 3-8). Switzerland: Springer.
- M. Jägersberg and E. Tessitore (2019). Indications for Emergency Surgical Treatment. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 9-15). Switzerland: Springer.

Notes

Notes

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Course Organisation

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