Madrid, Spain
13-14 November 2026

GEER
SPANISH SPINE SOCIETY

SPPCV
SOCIEDADE PORTUGUESA DE PATOLOGIA DA COLUNA VERTEBRAL

Spanish & Portuguese Spine Societies Course Diploma

Module 5

Tumours & Inflammatory Diseases of the Spine

PROGRAMME

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

Accredited by the European
Accreditation Council for Continuing
Medical Education (EACCME®)
with **12.0** European CME credits
(ECMEC®s)

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

WHEN:

13-14 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

Cad-Lab Workshops:

Universidad Francisco de Vitoria
Carretera Pozuelo a Majadahonda, Km 1.800
Pozuelo de Alarcón
28223 Madrid

REGISTRATION FEE:

1500 € for Members*

1800 € 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 CHAIRMEN

- **Felisa Sánchez-Mariscal Díaz**. Spain
- **Vitor Castro.** Portugal

CAD LAB CHAIRMEN

- **Felisa Sánchez-Mariscal Díaz**. Spain
- **Vitor Castro.** Portugal

COURSE FACULTY

- Alejandro del Arco Churruca
- Vitor Castro
- Javier Cobo Soriano
- Tah Pu Ling
- Antonio Martín Benlloch
- Miguel Menéndez García
- André Pinho
- Manuel Ramírez Valencia
- Felisa Sánchez-Mariscal Díaz
- Felix Tomé Bermejo

TARGET AUDIENCE

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

LEARNING OUTCOMES
SESSION 1
VERTEBRAL OSTEOMYELITIS

AETIOLOGY, PATHOGENESIS, ROUTES OF SPREAD

- Explain the aetiology of vertebral osteomyelitis including: bacterial, tuberculous, and fungal
- Describe the pathogenesis including venous route, arterial inoculation and iatrogenic direct extension
- Anticipate the routes of spread: vertebral body & intervertebral disc

SYMPTOMS & DIAGNOSIS

- Recognise the signs and symptoms of vertebral osteolyelitis
- Identify the risk factors (immunodeficiency etc)
- Select appropriate investigations
- Distinguish on MRI and X-ray the key features that define and contrast both pyogenic and tuberculous spinal lesions

CONSERVATIVE MANAGEMENT & INDICATIONS FOR SURGICAL TREATMENT

- Evaluate options for conservative treatment
- Compare absolute and relative indications for conservative treatment

VERTEBRAL OSTEOMYELITIS. INDICATIONS FOR SURGICAL DECOMPRESSION AND INSTRUMENTATION

CASE DISCUSSION

LEARNING OUTCOMES
SESSION 2
METABOLIC BONE DISEASES

BONE DISORDERS

- Paget's disease
- Rickets
- Diffuse idiophatic skeletal hyperostosis (DISH) (Forestier's disease)
- Metabolic bone disease

OSTEOPOROSIS

- Outline the etiology of osteoporosis
- Diagnose osteoporosis using appropriate investigations

SURGICAL CONSIDERATIONS IN DISORDERS OF THE BONE

- Evaluate treatment options
- Compare minimally invasive techniques including;
  - vertebroplasty,
  - kyphoplasty
  - vertebral body stenting

CASE DISCUSSION

LEARNING OUTCOMES
SESSION 3
CADAVER LABS

POSTERIOR CERVICAL

- Approach the posterior cervical spine
- Identify anatomical landmarks of the occipito-cervical region
- Anticipate risks and pitfalls
- Perform lateral mass screw fixation
- Perform lamina hook fixation
- Perform C1-C2 screw osteosynthesis (Harms or Magerl)
- Insert an occipital plate

VBR: VERTEBRAL BODY REPLACEMENT (THORACIC SPINE & THORACO-LUMBAR JUNCTION)

- Approach to the anterior thoracic and thoraco-lumbar spine
- Describe the relationship between large vessels and spine
- Elevate diaphragm
- Prepare rib for strut graft
- Perform discectomy
- Perform corpectomy
- Place rib strut graft
- Place corpectomy cage

LEARNING OUTCOMES
SESSION 4
RHEUMATOID ARTHRITIS AND ANKYLOSING SPONDYLITIS

RHEUMATOID ARTHRITIS

AETIOLOGY, PATHOGENESIS, SYMPTOMS, DIAGNOSIS

- Explain the aetiology of rheumatoid disease
- Describe the pathogenesis relating rheumatoid disease and joint changes
- Recognise the signs and symptoms
- Select and interpret appropriate investigations and imaging
- Recognise signs of
  - the rheumatoid spine
  - ankylosing spondylitis

STABILIZING & CORRECTIVE SURGERY OF THE SPINE

- Describe indications for corrective surgery for ankylosing spondylitis
- Diagnose occipito-atlantoaxial complex and subaxial cervical spine
- Differentiate between horizontal and vertical atlantoaxial instability

DIAGNOSIS & TREATMENT OF THE OCCIPITO-ATLANTOAXIAL COMPLEX

- Identify the commonly used radiographic lines and measurements for the C0 to C2 complex
- Plan appropriate treatment for C0 to C2 and sub-axial rheumatic neck problems
- Appraise current evidence regarding outcome and prognosis

CASE DISCUSSION

LEARNING OUTCOMES
SESSION 5
TUMOURS OF THE AXIAL SKELETON

PRIMARY BENIGN TUMOURS AND TUMOUR LIKE LESIONS; DIAGNOSIS AND MANAGEMENT

- Explain the aetiology of tumours and tumour like lesions
- Describe the pathogenesis relating to tumours and tumour like lesions
- Differentiate between primary benign tumours and tumour like lesions
- Select appropriate investigations, interpret results and stage tumour like lesions
- Evaluate treatment options
- Anticipate outcomes
- Formulate a plan for long term monitoring

SECONDARY MALIGNANT TUMOURS; DIAGNOSIS AND MANAGEMENT

- Justify the relative importance of combined tumour therapy including surgery, radiotherapy and chemotherapy
- Evaluate surgical options and results
- Formulate a multidisciplinary management plan
- Justify the risks, benefits and impact of radiotherapy and chemotherapy
- Evaluate surgical options
- Anticipate complications

COMPLICATIONS AND QUALITY OF LIFE EVALUATION

CASE DISCUSSION

Scientific Programme

Chairmen: **Felisa Sánchez-Mariscal Díaz & Vitor Castro**
Chairmen CAD LAB: **Felisa Sánchez-Mariscal Díaz & Vitor Castro**

Course attendance is mandatory

FRIDAY, 13 NOVEMBER

TIME	TOPIC	FACULTY
07:30-08:00	Course Registration	
08:00-08:10	Introduction	Felisa Sánchez-Mariscal Díaz
	SESSION 1: VERTEBRAL OSTEOMYELITIS	
08:10-08:30	Vertebral Osteomyelitis. Etiology, Pathogenesis, Symptoms and Diagnosis	Tah Pu Ling
08:30-08:50	Conservative Treatment	Miguel Menéndez García
08:50-09:10	Vertebral Osteomyelitis. Indications for Surgical Decompression and Instrumentation	Miguel Menéndez García
09:10-10:00	Case Discussion on Vertebral Osteomyelitis	Moderator: Tah Pu Ling Case: Tah Pu Ling
10:00-10:30	**Coffee Break**	
	SESSION 2: METABOLIC BONE DISEASE	
10:30-10:50	Bone Disorders	Alejandro del Arco Churruca
10:50-11:10	Osteoporosis (Etiology, Diagnosis, Drug Therapy)	Vitor Castro
11:10-11:30	Surgical Considerations in Disorders of the Bone	Alejandro del Arco Churruca
11:30-12:10	Case on Metabolic Bone Disorder	Moderator: Vitor Castro Case: Miguel Menéndez García
12:10-12:50	Cadaver Lab Discussion	All Faculty
12:50-13:50	**Lunch**	
13:50-14:20	Shuttle bus service to Universidad Francisco de Vitoria	
	SESSION 3: CADAVER LABS	
14:20-14:30	Go to the Lab	
14:30-16:15	Posterior Cervical	Vitor Castro Javier Cobo Soriano Antonio Martín Benlloch André Pinho Tah Pu Ling Manuel Ramírez Valencia
16:15-16:45	**Coffee Break**	
16:45-18:30	VBR	Vitor Castro Javier Cobo Soriano Antonio Martín Benlloch André Pinho Tah Pu Ling Manuel Ramírez Valencia

END OF DAY 1

Course attendance is mandatory

DAY 2. SATURDAY, 14 NOVEMBER

TIME	TOPIC	FACULTY
07:30-08:00	**Coffee and Attendace Signature**	
	SESSION 4: RHEUMATOID ARTHRITIS (RA) AND ANKYLOSING SPONDYLITIS (AS)	
08:00-08:30	Rheumatoid Arthritis	André Pinho
08:30-09:00	Aetiology, Pathogenesis, Symptoms, Diagnosis of AS	Javier Cobo Soriano
09:00-09:30	Stabilizing & Corrective Surgery of the TL Spine in AS	Felix Tomé Bermejo
09:30-10:00	Diagnosis & Treatment of the Occipito-Atlantoaxial Complex in RA	André Pinho
10:00-11:00	Case Discussion on RA	Moderator: Javier Cobo Soriano Case: André Pinho
11:00-11:20	**Coffee Break**	
	SESSION 5: TUMOURS OF THE AXIAL SKELETON	
11:20-11:35	Bening Tumours of the Spine	Manuel Ramírez Valencia
11:35-11:55	Primary Malignant Tumours of the Spine	Antonio Martín Benlloch
11:55-12:15	Secondary Malignant Tumours Diagnosis and Management	Manuel Ramírez Valencia
12:15-12:30	Complications and Quality of Life Evaluation	Antonio Martín Benlloch
12:30-13:00	Case Discussion on Tumours	Moderator: Vitor Castro Case: Antonio Martin Benllonch
13:00-13:10	Conclusions, Diploma and Mandatory Course Evaluation	Felisa Sánchez-Mariscal Díaz
	END OF MODULE 5	

Recommended Reading

Part V Basic Module 5: Tumours of Spine and Inflammatory Diseases. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach. Switzerland: Springer.

- C. Fleege and M. Rauschmann. (2019). Vertebral Osteomyelitis: Etiology, Pathogenesis, Routes of Spread Symptoms and Diagnosis. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 327-338). Switzerland: Springer.
- A. Slavici. (2019). Pyogenic Infection Following Single Level Nucleotomy . B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 339-344). Switzerland: Springer.
- G. Prezerakos and A.T.H. Casey. (2019). Diagnostics and Treatment of C1/C2 Instability in Rheumatoid Arthritis. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 345-352). Switzerland: Springer.
- G.Prezerakos and A.T.H. Casey. (2019). Treatment Options in Severe Cervico-Thoracal Deformity in “Bechterew’s Disease”. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 353-362). Switzerland: Springer.
- M. Richter. (2019). Diagnosis and Treatment of the Occipito-Atlantoaxial Complex and Subaxial Cervical Spine in Rheumatoid Diseases. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 363-368). Switzerland: Springer.
- H. Pape and Y. Ryang. (2019). Osteoporosis (Etiology, Diagnosis, Drug Therapy, Surgical Therapy). B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 369-376). Switzerland: Springer.
- H. Pape and Y. Ryang. (2019). Benign Tumours and Tumour-Like Lesions. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 377-384). Switzerland: Springer.
- M. Rickert and M. Rauschmann. (2019). Primary Malignant Tumours. B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 385- 400). Switzerland: Springer.
- J. Gempt. (2019). Secondary Malignant Tumours (Diagnosis, Staging, Surgical Treatment and Adjuvant Therapy). B. Meyer and M. Rauschmann (Eds.), Spine Surgery A Case-Based Approach (pp. 401-409). Switzerland: Springer

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Course Organisation

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