

Madrid, Spain
15-16 November 2019

GEER
Spanish Spine Society



SPPCV
SOCIEDADE
PORTUGUESA
DE PATOLOGIA
DA COLUNA
VERTEBRAL

Spanish & Portuguese Spine Societies Course Diploma

Module 5

Tumours & Inflammatory Disease of the Spine

PROGRAMME

Endorsed by





The Module 5 Tumours & Inflammatory Disease of the Spine Course Diploma, Madrid, Spain, 15/11/2019 - 16/11/2019 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 13 European CME credits (ECMEC®s).

Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Programme

QUICK FACTS

WHEN:

15-16 November 2019

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:

800 € for Members

1000 € for Non Members

Discounts for GEER and SPPCV members are available. *Modules with a discount structure of 10% for 2 modules and 15% for 3 modules*

MAXIMUM ATTENDEES:

30 delegates

CME CREDITS:

Has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 13 European CME credits (ECMEC®s)

LANGUAGE:

English, Spanish and Portuguese (*The speaking is in Spanish or Portuguese, 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
- A wireless Internet device (mobile phone/ Ipad/Computer) will be required to access on-line resources during the programme, please bring one with you

COURSE CHAIRMEN



Antonio Martín Benlloch. Spain



Manuel Tavares de Matos. Portugal

COURSE FACULTY

Rafael Aguirre García
Jesús Betegón Nicolás
Juan F. Blanco Blanco
Claudio Cano Gómez
Joan Escala Arnau
Nicomedes Fernández-Baíllo
Maia Gonçalves
Antonio Martín Benlloch
María Otero Fernández
José Ramírez Villaescusa
Carla Reizinho
José Miguel Sánchez Márquez
Manuel Tavares de Matos

CAD LAB CHAIRMEN

- **Antonio Martín Benlloch. Spain**
- **Manuel Tavares de Matos. Portugal**

TARGET AUDIENCE

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



FACE-TO-FACE MODULE

**LEARNING OUTCOMES
SESSION 1
VERTEBRAL OSTEOMYELITIS**

ETIOLOGY, 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 osteomyelitis
- 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

SURGICAL MANAGEMENT OF SPINAL INFECTIONS

- Formulate a plan for infection specific treatment
- Anticipate complications
- Plan appropriate management
- Appraise current evidence concerned with spondylitis outcome and prognosis

CASE DISCUSSION

LEARNING OUTCOMES SESSION 2 METABOLIC BONE DISEASES

BONE DISORDERS

- Paget's disease
- Rickets
- 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**

ETIOLOGY, 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

CASE DISCUSSION

Scientific Programme

Chairmen: Antonio Martín Benlloch & Manuel Tavares de Matos

Course attendance is mandatory

DAY 1. FRIDAY, 15 NOVEMBER

TIME	TOPIC	FACULTY
07:30-08:00	Course Registration	
08:00-08:10	Introduction	Manuel Tavares de Matos
SESSION 1: VERTEBRAL OSTEOMYELITIS		
08:10-08:30	Etiology, Pathogenesis, Symptoms and Diagnosis	Juan F. Blanco Blanco
08:30-08:50	Conservative Treatment	Maia Gonçalves
08:50-09:10	Indications for Surgical Decompression and Instrumentation	Joan Escala Arnau
09:10-10:00	Case Discussion on Vertebral Osteomyelitis	Moderator: Nicomedes Fernández-Baillo Case: Rafael Aguirre García
10:00-10:30	Coffee Break	
SESSION 2: METABOLIC BONE DISEASE		
10:30-10:50	Bone Disorders	Manuel Tavares de Matos
10:50-11:10	Osteoporosis (Etiology, Diagnosis, Drug Therapy)	María Otero Fernández
11:10-11:30	Surgical Considerations in Disorders of the Bone	José Ramírez Villaescusa
11:30-12:10	Case on Metabolic Bone Disorder	Moderator: Manuel Tavares de Matos Case 1, 2 e 3: Maia Gonçalves
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	Group A Posterior Cervical	All Faculty
14:30-16:15	Group B VBR	All Faculty
16:15-16:45	Coffee Break	
16:45-18:30	Group B Posterior Cervical	All Faculty
16:45-18:30	Group A VBR	All Faculty

END OF DAY 1



Course attendance is mandatory

DAY 2. SATURDAY, 16 NOVEMBER

TIME	TOPIC	FACULTY
08:45-09:00	Attendance signature	
SESSION 4: RHEUMATOID ARTHRITIS AND ANKYLOSING SPONDYLITIS		
09:00-09:30	Etiology, Pathogenesis, Symptoms, Diagnosis of RA	Carla Reizinho
09:30-10:00	Etiology, Pathogenesis, Symptoms, Diagnosis of AS	Jesús Betegón Nicolás
10:00-10:30	Stabilizing & Corrective Surgery of the TL Spine in AS	José Miguel Sánchez Márquez
10:30-11:00	Coffee Break	
11:00-11:30	Diagnosis & Treatment of the Occipito- Atlantoaxial Complex in RA	Claudio Cano Gómez
11:30-12:30	Case Discussion on RA	Moderator: Maia Gonçalves Case 1: Manuel Tavares de Matos Case 2 EA: Manuel Tavares de Matos Case 3 RA: Carla Reizinho Case 4 EA: Carla Reizinho
12:30-13:30	Lunch	
SESSION 5: TUMOURS OF THE AXIAL SKELETON		
13:30-14:00	Imaging Diagnosis & Staging of Bone Tumours of the Spine	Carla Reizinho
14:00-14:30	Primary Malignant Bone Tumours Treatment Options	Antonio Martín Benlloch
14:30-15:00	Secondary Malignant Bone Tumours Treatment Options	Claudio Cano Gómez
15:00-15:30	Complications and Quality of Life Evaluation	Antonio Martín Benlloch
15:30-16:00	Coffee Break	
16:00-17:00	Case Discussion on Tumours	Moderator: Antonio Martín Benlloch Case: Antonio Martín Benlloch
17:00-17:30	Conclusions, Diploma and Mandatory Course Evaluation	All participants

END OF MODULE 5



Notes

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Notes

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Sponsors



Course Organisation

Sociedad Española de Columna Vertebral

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