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SPPCV
SOCIEDADE
PORTUGUESA
DE PATOLOGIA
DA COLUNA
VERTEBRAL

Endorsed by:



Spanish & Portuguese Spine Societies COURSE DIPLOMA Module 1

Module 1:

—
Basic Comprehensive
Course

When:

—
26 // June // 2018

Where :

—
Lisbon - Portugal

Spanish & Portuguese Spine Societies COURSE DIPLOMA

Scientific Content:
Prof. Dr. Paulo Pereira

Course Organisation:
SPPCV Sociedade Portuguesa de Patologia da Coluna Vertebral
GEER Sociedad Española de Columna Vertebral

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Learning Outcomes:

Module 01

Basic Comprehensive Course

1. Explain the impact of spinal disorders on the individual and society
2. Evaluate a spinal patient
3. Recognize serious and urgent spinal disorders
4. Formulate a plan for the safe early management of emergency and serious spine disorders, based on sound principles of treatment
5. Demonstrate sound clinical judgment in planning patient management around selected cases

Quick Facts

When	26 June 2018
Where	Lisbon / Portugal Course: Lusíadas Hospital Rua Abílio Mendes, 12
Maximum Attendees	30 delegates
Registration Fee	200 € for Members / 400 € for Non Members Discounts for SPPCV, GEER and EUROSPINE members are available <i>Modules with a discount structure of 10% for 2 modules and 15% for 3 modules</i>
CME Credits	6 European CME Credits (ECMEC) by EACCME
Language	English, Spanish, Portuguese
Dress	Casual
Important Note	Attendance at every session is mandatory A final exam will be performed

Target Audience

Senior trainees and trained surgeons, who are planning a career in spinal surgery and general practitioners, rheumatologists, physiatrists and others who wish to develop their knowledge in the area of spinal pathology

Pre-Learning

3 ½ Hours of Content

Participation in the programme requires an excellent working knowledge of spinal anatomy.

Participants on module 1 will be asked to build foundation knowledge for the module with 3.5 hours of pre-module work. Learning outcomes have been defined, so participants and faculty are clear about the standards expected and a self-test will be administered to check learning outcomes

have been achieved. Resources to help participants achieve learning outcomes include: PowerPoint presentations, videos and reading material. Registered delegates will receive email instructions for how to proceed with the learning content.

1. Radiographic Measurements

2. Radiology Imaging (x-ray, MRI & CT)

3. Outcome Measures (pre-learning for module 1 and task force research course)

4. Importance of Spine Registries

5. Recognising Serious Spine Disorders: Red Flags

6. Systemic Disease & The Spine

By the end of the pre-course learning, participants should be able to:

1. Radiographic Measurements

- Define the role of radiographic measurements in spinal pathology
- Apply the Cobb angle and measures of sagittal balance to deformity
- Assess spinal instability

2. RADIOLOGY IMAGING (x-ray, MRI & CT)

- Differentiate between x-ray, MRI and CT
- Explain how each works
- Anticipate risks associated
- Compare radiation exposure resulting from each

3. OUTCOME MEASURES

(pre-learning for module 1 and task force research course)

- Differentiate between generic and specific health measures
- Distinguish between patient and clinician related outcome measures
- Use common measures for spinal disorders
- Explain the challenges associated with measuring outcomes

4. IMPORTANCE OF SPINE REGISTRIES

- Explain their impact on the care of patients
- Plan how to make contributions themselves
- Differentiate between an RCT and a registry

5. RECOGNISING SERIOUS SPINE DISORDERS: RED FLAGS

- Link clinical scenarios to serious spine disorders
- Teach non-spine specialists to recognize serious spine disorders

6. SYSTEMIC DISEASE & THE SPINE

- Recognize the importance of teamwork and appropriate involvement of others
- Anticipate common pitfalls in diagnosis of spinal disorders
- Describe systemic conditions associated with spinal disease

Face-To-Face Module
Learning Outcomes:

Section 01

Spine

The Bigger Picture

Evidence Based Medicine

Epidemiology & Economics

Ergonomics & Psychosocial Aspects

Spine

The Bigger Picture

Evidence Based Medicine

- Rank levels of evidence
- Define the needs of individual patients in the context of EBM
- Explain the risk of bias
- Justify the role of EBM, guidelines and registries

Epidemiology & Economics

- Quantify the problem of back pain in society
- Propose a strategy to reduce the problem
- Explain research definitions of back pain and study methodology

Ergonomics & Psychosocial Aspects

- Describe the impact of media and society on beliefs of patients
- Separate myth from knowledge in the relationship between disease and disability
- Anticipate obstacles to recovery
- Explain the role of manual handling and workplace factors in spinal disability

Learning Outcomes:

Section 02

The Funcional Spine

Biomechanics

Radiology Imaging

The Young Spine

The Old Spine

The Funcional Spine

Biomechanics

- Outline loads in different positions of the spine
- Explain how loading changes with age and pathology
- Describe the basic principles of biomaterials and biocompatibility

Radiology Imaging

- Explain risks of exposure to radiation and minimize risks for patients and staff
- Justify the role of the team in evaluating radiological requests and investigations
- Select the most appropriate investigations in spinal disorders

The Young Spine

- Describe growth of the spine and growth velocity
- Define specific trauma related factors in the child

The Old Spine

- Identify common disorders in elderly patients
- Explain the natural history and treatment of fragility fractures of the spine
- Describe the impact of age and co-morbidity on risk assessment and patient safety

Learning Outcomes:

Section 03

Clinical Evaluation

Communication Skills

Top Tips Clinical Examination

Safety & Ethics

Case Discussion: Systemic Diseases & The Spine

Clinical Evaluation

Communication Skills

- Identify actual and potential communication problems within their own practice
- Assess own strengths and weaknesses in communicating with patients, their families and other team members

Top Tips Clinical Examination

- Select appropriate clinical tests for a clinical situation
- Perform a safe and effective clinical examination

Safety & Ethics

- Apply an ethical framework to critical thinking
- Formulate principles of informed consent
- Evaluate organizational and personal factors involved in patient safety
- Identify non-technical aspects of safe surgery

Case Discussion: Systemic Diseases & The Spine

- Use clinical information to formulate a diagnosis and treatment plan

Learning Outcomes:

Section 04

Emergencies

Trauma. Evaluation. Transport

Acute Cord Compression

Cauda Equina Syndrome

Case Discussion: Recognizing Serious Spine Disorders: Red Flags

Emergencies

Trauma. Evaluation. Transport

- Recognize and document details of a spinal cord injury (SCI)
- Plan transport, investigation and treatment of a patient with a spinal cord injury
- Anticipate potential complications and how to avoid them
- Plan a simple rehabilitation programme for a patient with SCI

Acute Cord Compression

- Recognize and investigate a progressive neurological spinal problem
- Formulate a plan for the pre surgical management of metastatic cord compression
- Outline the common causes and treatments of acute cord compression

Cauda Equina Syndrome

- Explain the impact on the patient of cauda equina syndrome (CES)
- Justify the difficulties in timing diagnosis and treatment

Case Discussion: Recognizing Serious Spine Disorders: Red Flags

- Use clinical information to formulate a diagnosis and treatment plan

Course Chairman:

Paulo Pereira PORTUGAL

Course Faculty:

Paulo Pereira PORTUGAL

Bruno Santiago PORTUGAL

Isabel Cravo PORTUGAL

J. P. Maia Gonçalves PORTUGAL

Jorge Alves PORTUGAL

Luis Barroso PORTUGAL

Manuel Tavares de Matos PORTUGAL

Nuno Neves PORTUGAL

Scientific Programme Module 1

Time	Topic	Faculty
-	-	-
08.30 - 09.00	Course registration & welcome coffee	
09.00 - 09.10	Introduction	Paulo Pereira
-	-	-
	Session 1: Spine The Bigger Picture	
09.10 - 09.30	Evidence Based Medicine	Bruno Santiago
09.30 - 09.50	Epidemiology & Economics	Nuno Neves
09.50 - 10.10	Ergonomics & Psychosocial Aspects	Luis Barroso
-	-	-
	Coffee Break 30 mins.	
-	-	-
	Session 2: The Functional Spine	
10.40 - 11.00	Biomechanics	Luis Barroso
11.00 - 11.20	Radiology Imaging	Isabel Cravo
11.20 - 11.40	The Young Spine	J.P. Maia Gonçalves
11.40 - 12.00	The Old Spine	Jorge Alves
12.00 - 13.00	Case Discussion	Luis Barroso
-	-	-
	Lunch 1 hour	
-	-	-
	Session 3: Clinical Evaluation	
14.00 - 14.20	Communication skills	Paulo Pereira
14.20 - 14.40	Top Tips For Clinical Examination	Bruno Santiago
14.40 - 15.00	Safety & Ethics	Manuel Tavares de Matos
15.00 - 15.30	Case Discussion: Systemic Diseases & The Spine	J.P. Maia Gonçalves
15.30 - 16.00	Case Discussion	Bruno Santiago
-	-	-
	Coffee Break 30 mins.	
-	-	-
	Session 4: Emergencies	
16.30 - 16.50	Trauma. Evaluation. Transport	J.P. Maia Gonçalves
16.50 - 17.10	Acute Cord Compression	Paulo Pereira
17.10 - 17.30	Cauda Equina Syndrome	Luis Barroso
17.30 - 18.00	Case Discussion: Recognising Serious Spine Disorders: red Flags	Paulo Pereira
18.00 - 18.30	Course Evaluation	
18.30 - 18.45	Closing Remarks & Diploma	Paulo Pereira
-	-	-
	End of Module	
-	-	-
		Course Attendance is Mandatory

Contacts

Sponsors

EUROSPINE, the Spine Society of Europe:

-
Seefeldstrasse 16
8610 Uster
Switzerland
www.eurospine.org

GEER Sociedad Española de Columna Vertebral

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Av. García Lorca s/n. Edf. Club Municipal de Hielo
29630 Benalmádena, Málaga
España
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Course Organisation

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Scientific Content

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Prof. Dr. Paulo Pereira

Thank you
for audience.

Spanish & Portuguese Spine Societies
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