



Hellenic  
Spine  
Society

# Diploma of the Hellenic Spine Society

(equivalent to the Eurospine Diploma)

## MODULE 5: TUMORS AND INFLAMMATORY DISEASES OF THE SPINE

**12 September 2020**  
Athens Medical Group Amphitheater



ΟΜΙΛΟΣ ΙΑΤΡΙΚΟΥ  
ΑΘΗΝΩΝ

*Πάντα ένα βήμα μπροστά!*

The Panhellenic Medical Association grants 13 credit points  
of Continuing Medical Education (CME-CPD)

### Course Manager

**Ioannis Magras**

Associate Professor of Neurosurgery

**SCIENTIFIC PROGRAMME**

[www.dhss.gr](http://www.dhss.gr)

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**12 September 2020**

**Course Manager**

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## ***FACULTY***

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***CHAIRMAN***      Voulgaris Spyridon

***FACULTY***      Apostolou Thomas  
Bouramas Dimos  
Dimitroulas Theodoros  
Hadgaonkar Shailesh  
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Stavridis Stavros  
Toulios Petros  
Tsitsopoulos Parmenion  
Voulgaris Spyridon

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## LEARNING OUTCOMES:

### **SESSION 1 - VERTEBRAL OSTEOMYELITIS**

#### **Evidence Based Medicine**

- 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**

### **SESSION 2 - RHEUMATOID DISEASE**

#### **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**

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### **SESSION 3 - 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 and vertebral body stenting

#### **Case Discussion**

### **SESSION 4 - 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**

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## SCIENTIFIC PROGRAMME

### MODULE 5: TUMORS & INFLAMMATORY DISEASE OF THE SPINE

SATURDAY, 12 SEPTEMBER 2020

COURSE ATTENDANCE IS MANDATORY

**CHAIRMAN: VOULGARIS SPYRIDON**

08:30 - 09:00 Course Registration & Welcome Coffee

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### 09:00 - 10:30 **Session 1: VERTEBRAL OSTEOMYELITIS**

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09:00 - 09:15 **Etiology, Pathogenesis, Routes of Spread**  
S. Stavridis

09:15 - 09:30 **Symptoms & Diagnosis**  
S. Stavridis

09:30 - 09:45 **Conservative Treatment & Indications for  
Surgical Treatment**  
P. Tsitsopoulos

09:45 - 10:00 **Surgical Management of Spinal Infections**  
S. Hadgaonkar

10:00 - 10:30 **Case Discussion**

10.30 - 11.00 Coffee break

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### 11:00 - 12:45 **Session 2: RHEUMATOID DISEASE**

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11:30 - 11:45 **Etiology, Pathogenesis, Symptoms, Diagnosis**  
Th. Dimitroulas

11:45 - 12:00 **Stabilizing & Corrective Surgery of the TL Spine  
(Especially Ankylosing Spondylitis)**  
K. Paterakis

12:00 - 12:15 **Diagnosis & Treatment of the Occipito  
Atlantoaxial Complex**  
D. Bouramas

12:15 - 12:45 **Analysis and discussion of a surgical procedure (Video)**  
D. Bouramas

12.45 - 13.15 Lunch break

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### **13:15 - 14:30      Session 3: METABOLIC BONE DISEASES**

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**13:15 - 13:30      Bone Disorders**

K. Kotsa

**13:30 - 13:45      Osteoporosis (Etiology, Diagnosis, Drug Therapy)**

K. Kotsa

**13:45 - 14:00      Surgical Considerations in Disorders of the Bone**

S. Polyzoidis

**14:00 - 14:30      Case Discussion**

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### **14:30 - 15:45      Session 4: PRINCIPLES OF SURGICAL TREATMENT**

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**14:30 - 14:45      Benign Tumours and Tumour Like Lesions:  
diagnosis and management**

Th. Apostolou

**14:45 - 15:00      Primary Malignant Tumours: diagnosis and management**

A.Spiliotopoulos

**15:00 - 15:15      Secondary Malignant Tumours: diagnosis and management**

P. Toullos

**15:15 - 15:45      Case Discussion**

**15:45 - 16:15      Coffee break**

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### **16:15 - 17:15      Session 5: TUMORS OF THE SPINAL CORD**

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**16:15 - 16:30      Intradural extra medullary Tumours**

S. Voulgaris

**16:30 - 16:45      Intramedullary Tumours**

I. Patsalas

**16:45 - 17:15      Analysis and discussion of a surgical procedure (Video)**

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## GENERAL INFORMATION

### Module

Module 5: TUMORS & INFLAMMATORY DISEASE OF THE SPINE

### Registration Fee

Module 5: 300 euros

Module 1 and 5: 500 euros

### Course Date

14 March 2020

### Course Language

English

### Accreditation

The Panhellenic Medical Association grants 13 credit points of Continuing Medical Education (CME-CPD)

### Course venue

Athens Medical Group Amfitheater

Kefalari Square / Athens, Greece

### Organization

Hellenic Spine Society

### Course Secretariat

**M.K. Premium Congress & Social Events Solutions Ltd**

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### NOTES

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