

Diploma of the Hellenic Spine Society

(equivalent to the Eurospine Diploma)

MODULE 5: TUMORS AND INFLAMMATORY DISEASES OF THE SPINE

12 November 2023

Teloglion Foundation of Arts A.U.Th.



The Panhellenic Medical Association will grant credit points
of Continuing Medical Education (CME-CPD)

Course Manager
Ioannis Magras
Professor of Neurosurgery

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SCIENTIFIC PROGRAMME

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CHAIRMAN Parmenion Tsitsopoulos

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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 & Session 5 - SPINAL TUMOURS

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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SUNDAY, 12 NOVEMBER 2023

COURSE ATTENDANCE IS MANDATORY

CHAIRMAN: PARMENION TSITSOPOULOS

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

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

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 of Spinal Infection**
P. Tsitsopoulos

09:45 - 10:00 **Surgical Treatment of Spinal Infections**
P. Tsitsopoulos

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

10.30 - 11.00 Coffee break

11:00 - 12:15 Session 2: RHEUMATOID DISEASE

11:00 - 11:15 **Etiology, Pathogenesis, Symptoms, Diagnosis**
M. Mytilinaiou

11:15 - 11:30 **Stabilizing & Corrective Surgery of the TL Spine
(Especially Ankylosing Spondylitis)**
K. Paterakis

11:30 - 11:45 **Diagnosis & Treatment of the Occipito
Atlantoaxial Complex**
D. Bouramas

11:45 - 12:15 **Analysis and discussion of a surgical procedure (Video)**
D. Bouramas

12.15 - 13.15 Lunch break

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

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**

A. Kapinas

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

14:30 - 16:00 **Session 4: SPINAL TUMOURS**

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

Th. Apostolou

14:45 - 15:00 **Primary Malignant Tumours**

N. Paidakakos

15:00 - 15:15 **Secondary Malignant Tumours**

S. Korfiatis

15:15 - 15:30 **Outcome measures**

T. Palaiologos

15:30 - 16:00 **Case Discussion**

16:00 - 16:30 **Coffee break**

16:30 - 17:15 **Session 5: TUMORS OF THE SPINAL CORD**

16:30 - 16:45 **Intradural extramedullary Tumours**

S. Voulgaris

16:45 - 17:00 **Intramedullary Tumours**

I. Patsalas

17:00 - 17:15 **Analysis and discussion of a surgical procedure (Video)**

I. Patsalas

17:15 - 17:30 **Course conclusion**

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GENERAL INFORMATION

Module

Module 5: TUMORS & INFLAMMATORY DISEASE OF THE SPINE

Registration Fee

Module 5: 350 euros

Module 2 and 5: 600 euros

Course Date

12 November 2023

Course Venue

Teloglion Foundation of Arts
A.U.Th., Thessaloniki, Greece

Course Language

English

Accreditation

The Panhellenic Medical Association grants 6 credit points
of Continuing Medical Education (CME-CPD)

Organization

Hellenic Spine Society

Course Secretariat

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NOTES

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Εμφυτεύσιμη Αντλία Ενδοραχιαίας Έγχυσης

Για την αποτελεσματική αντιμετώπιση:

- Σπαστικότητας
- Χρόνιου Πόνου

Νευροπαθητικού, Κακοήθους, Πολυεστιακού



- Χαμηλού Προφίλ
- 10ml έως 70ml χωρητικότητα
- Διάρκεια ζωής έως 25 έτη