

Minimally Invasive Spine Surgery

from theory
to practice
(with cadaveric
specimens)

14th-16th

November
2025

Thessaloniki, **Greece**

Interbalkan Medical Center
(theoretical part)

Laboratory of Anatomy & Surgical Anatomy,
Aristotle University of Thessaloniki
(practical part)

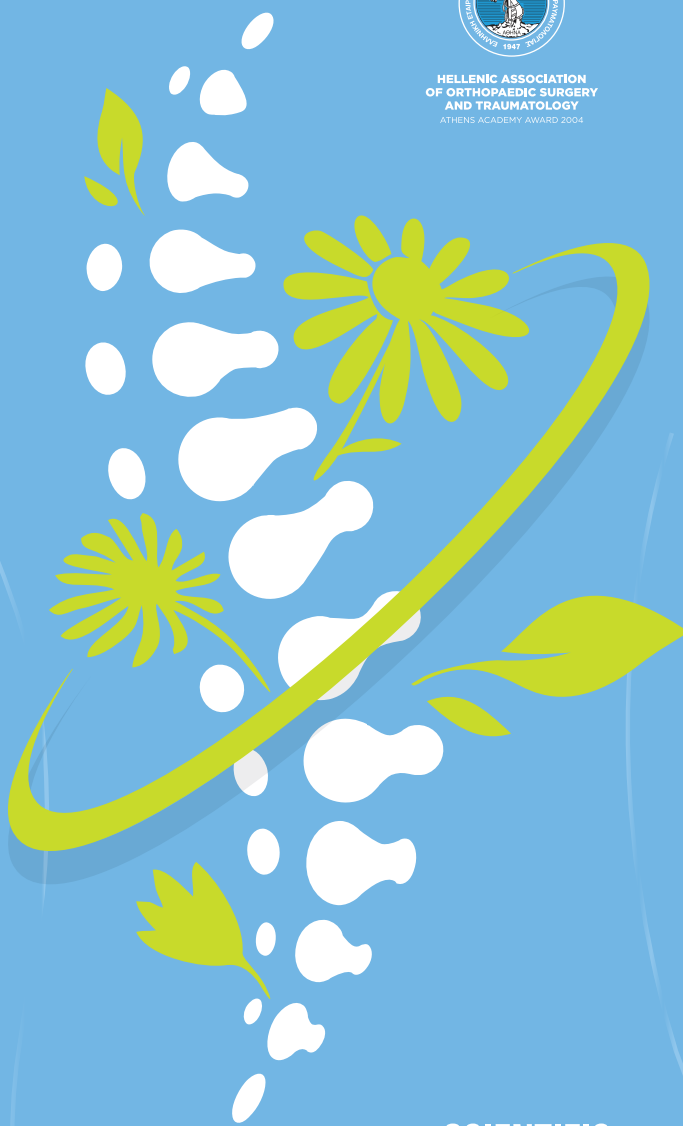


HELIOS

under the Auspices



HELLENIC ASSOCIATION
OF ORTHOPAEDIC SURGERY
AND TRAUMATOLOGY
ATHENS ACADEMY AWARD 2004



SCIENTIFIC
PROGRAM





WELCOME ADDRESS

Dear colleagues and friends,

As President of the Minimally Invasive Spine Surgery (MISS) Congress it is my great privilege to extend a heartfelt welcome to all of you for the MISS 2025 that will be held November 14th to 16th at the European Interbalkan Center of Thessaloniki.

Our city is a thriving metropolis offering world-class infrastructure, a fully integrated transport network, vibrant living space, and a rich culture.

This landmark event brings together some of the brightest minds in spine surgery, trauma, and pain intervention from across the globe. It serves as a platform for surgeons, researchers, and students to exchange cutting-edge insights and breakthroughs that are shaping the future of our field. The meeting offers a comprehensive and exciting Scientific Program spanning 3 days of instructional courses, workshops, lectures, free paper sessions, and expert panel discussions that promise to be both intellectually stimulating and highly practical. You can look forward to indulging yourself in the latest developments in endoscopic spine surgery, kyphoplasty/vertebroplasty, and spinal fusion, as well as pain management and regenerative spine medicine.

We look forward to welcoming you to the 3rd MISS 2025 Congress in Thessaloniki, where pioneering scientific discourse will merge with the city's vibrant culture and history, promising an enriching experience.

On behalf of the Organizing Committee

President

Stylianos Kapetanakis

Orthopaedic Surgeon-Spine Surgeon
Assistant Professor in Orthopaedics, Medical
School, Aristotle University of Thessaloniki

Honorary President

Eleftherios Tsiridis

MD, MSc (Orth)(London), DMed, PhD (London), FACS, FRCS
President European Hip Society
President Hellenic Association of Orthopaedics & Trauma
(2023-24)
Professor & Chairman of Orthopaedic Surgery
Director of Adult Joint Reconstruction
PGH Hospital, Aristotle University Medical School,
Thessaloniki, Hellas



ORGANIZING COMMITTEE

President

Stylianos Kapetanakis

Honorary President

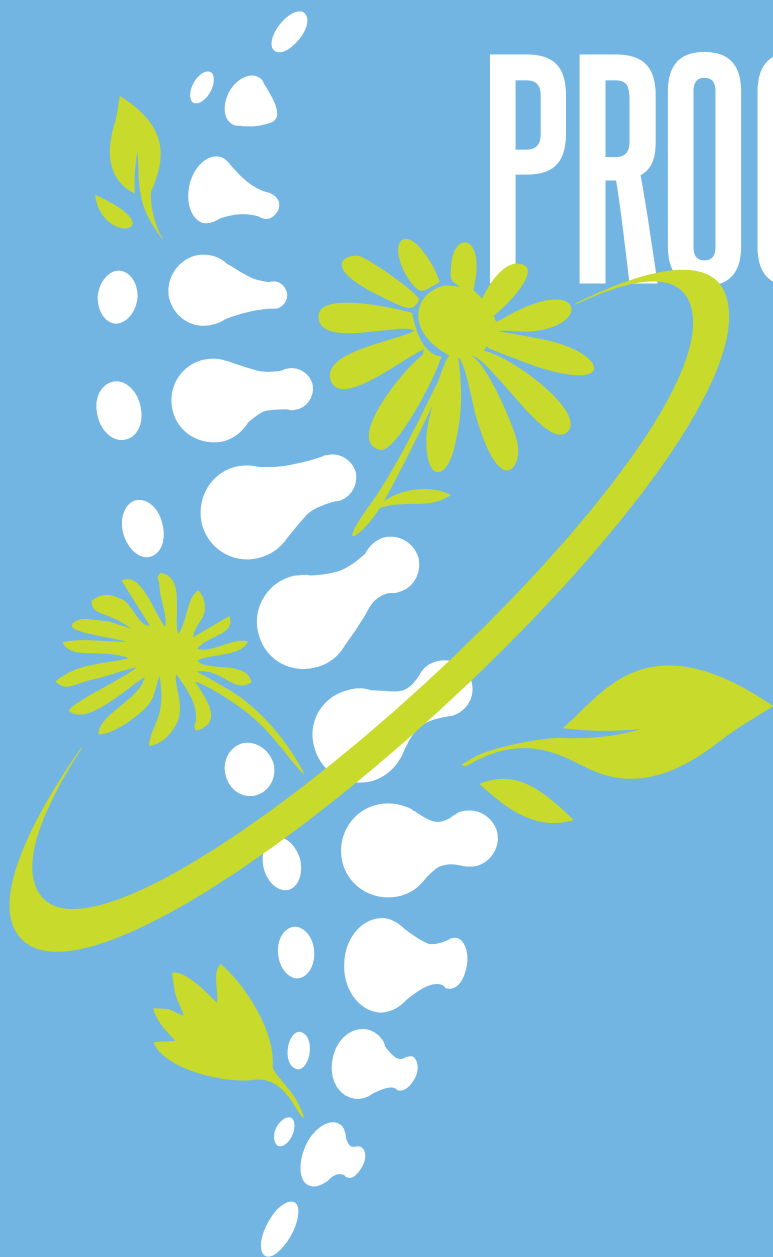
Eleftherios Tsiridis

Organizing Committee

Alaaeldin Ahmad
Thomas Apostolou
Georgios Bakaloudis
Efsthathios Chronopoulos
Panagiotis Diaremes
Konstantinos Ditsios
Evangelos Giamarelos
Apostolos Karantanas
Athanasios Karponis
Ioannis Koutelidakis
Aristidis Kritis

Ioannis Magras
Symeon Metallidis
Charbel Moussallem
Georgios Paraskevas
Konstantinos Pazarlis
Theresa Pazionis
Yudha Mathan Sakti
Nikolaos Schizas
Trifon Totlis
Peter Van Daele
Aristidis Zibis

SCIENTIFIC PROGRAM





FRIDAY, 14TH NOVEMBER 2025

Amphitheater of the Interbalkan Medical Center

08.30

Registration

09.00-09.45

ANATOMY / BIOMECHANICS

Chair: **A. Zibis** 🇧🇪, **G. Paraskevas** 🇬🇷

Cervical spine anatomy

G. Paraskevas 🇬🇷

Lumbar spine anatomy

A. Zibis 🇧🇪

Lumbar spine biomechanics

T. Apostolou 🇬🇷

09.45-10.30

OSTEOPOROSIS MANAGEMENT

Chair: **E. Chronopoulos** 🇬🇷, **A. Anastasilakis** 🇬🇷

Osteoporosis pathophysiology

E. Chronopoulos 🇬🇷

Incidence of fracture in osteoporosis

A. Karponis 🇬🇷

New treatments - Conservative treatment of osteoporosis

A. Anastasilakis 🇬🇷

Kyphoplasty in osteoporotic fractures

V. Stavrev 🇧🇬

10.30-11.00

Coffee break



FRIDAY, 14TH NOVEMBER 2025

Amphitheater of the Interbalkan Medical Center

11.00-11.45

SPINE IMAGING

Chair: **J. Bladowska** , **A. Karantanas** 

Normal imaging of the spine

J. Bladowska 

Spinal stenosis and disc degeneration CT and MR imaging

E. Vasileiadi-Drakotou 

Scoliosis imaging

D. Chourmouzi 

11.45-12.00

LECTURE

Chair: **A. Karantanas** 

Spinal pathology: the role of imaging in decision making

A. Karantanas 

12.00-13.00

DISC HERNIATION - NEW TECHNIQUES

Chair: **S. Kapetanakis** , **I. Magras** 

Pathophysiology, intervertebral disc degeneration

N. Gkantsinikoudis 

Lumbar microdiscectomy

I. Magras 

Endoscopic transforaminal discectomy

S. Kapetanakis 

Endoscopic interlaminar discectomy

G.-M. Hess 

Cervical endoscopic discectomy

P. Van Daele 



FRIDAY, 14TH NOVEMBER 2025


Amphitheater of the Interbalkan Medical Center

13.00-13.45


SPINE PAIN TREATMENT

Chair: **L. Stokov** , **G. Matis** 

Laser discectomy

V. Konstantinou 

Cryoablation for chronic pain: A targeted approach

P. Zavridis 

Cryoablation in spine pathology

L. Stokov 

Prometheus unchained: freeing patients from chronic pain through neuromodulation


G. Matis 

13.45-14.15

CIVIL AND CRIMINAL LIABILITY - MEDICAL MALPRACTICE

Chair: **A. Plevri** 

Medical negligence in the light of criminal law: doctrinal issues, limits and challenges

A. Sachoulidou 

Case law on civil liability in medical mal practice

M. Gerasopoulou 

14.15-14.30

OPENING CEREMONY

Greetings

14.30-16.30

Break

Laboratory of Anatomy & Surgical Anatomy, AUTH

16.30-19.30

CADAVERIC WORKSHOP

Spinal Injections (cervical & lumbar) plus RF pain management

P. Zavridis, V. Konstantinou, G. Matis

Lumbar endoscopy

P. Van Daele, S. Kapetanakis, K. Pazarlis, G.-M. Hess



SATURDAY, 15TH NOVEMBER 2025

Amphitheater of the Interbalkan Medical Center

08.30-09.45

SPINAL CANAL STENOSIS

Chair: **G. Bakaloudis** 🇮🇹, **K. Pazarlis** 🇸🇪

XLIF

G. Bakaloudis 🇮🇹

TLIF, PLIF

I. Palavos 🇬🇷

MIS TLIF

S. Antonopoulos 🇬🇷

ALIF

C. Moussallem 🇸🇪

EndoLIF

K. Pazarlis 🇸🇪

Percutaneous endoscopic ventral facetectomy

S. Kapetanakis 🇬🇷



SATURDAY, 15TH NOVEMBER 2025

Amphitheater of the Interbalkan Medical Center

09.45-10.45

SPINAL DEFORMITIES

Chair: **G. Bakaloudis** 🇮🇹, **A.A. Ahmad** 🇸🇪

Adolescent scoliosis

P. Diaremes 🇩🇪

Robotic surgery

G. Bakaloudis 🇮🇹

Active apex correction

A.A. Ahmad 🇸🇪

Major spinal deformity corrections

E. Samoladas 🇬🇷

Minimal invasive or open scoliosis surgery (MISCOS).

A multicenter randomized controlled trial

N. Schizas 🇸🇪

10.45-11.00

LECTURE

Spinal oncology

T. Pazonis 🇺🇸

11.00-11.30

Coffee break



SATURDAY, 15TH NOVEMBER 2025

Amphitheater of the Interbalkan Medical Center

11.30-12.30

REGENERATIVE MEDICINE IN SPINE

Chair: **T. Totlis** 🇬🇷, **A. Kritis** 🇬🇷

Introduction - Regenerative medicine fact or fiction?

T. Totlis 🇬🇷

Disc degeneration pathophysiology - In vitro intervertebral disc generation using scaffolds

A. Kritis 🇬🇷

Regenerative medicine research and applications in the intervertebral disc

D. Kletsas 🇬🇷

Application of regenerative medicine in spinal cord injuries - Recent advances and research

A. Cömert 🇹🇷

Nanofiber scaffold combined with mesenchymal stem cells in managing spinal cord injuries

Y. M. Sakti 🇮🇩

12.30-13.15

SPINAL INFECTIONS

Chair: **K. Ditsios** 🇬🇷, **E. Chronopoulos** 🇬🇷

Spinal infections: classification

S. Stanchev 🇧🇬

Imaging and diagnostic tools

E. Vasileiadi-Drakotou 🇬🇷

The contribution of general surgeons: When to call? What is their role?

I. Koutelidakis 🇬🇷

Spondylodiscitis and other infections

S. Metallidis 🇬🇷



SATURDAY, 15TH NOVEMBER 2025

Amphitheater of the Interbalkan Medical Center

13.15-14.00

LECTURES

Chair: **E. Tsiridis** 🇬🇷, **S. Metallidis** 🇬🇷

Spinopelvic evaluation and application in total hip arthroplasty for developmental dysplasia of the hip: the two devils in the same room

E. Tsiridis 🇬🇷

Sepsis and spine

E. Giamarellos 🇬🇷

AI and robotics in spinal surgery

T. Pazonis 🇺🇸

14.00-14.45

PHYSIOTHERAPY AND REHABILITATION IN SPINAL PATHOLOGY

Chair: **T. Apostolou** 🇬🇷

Spinal fusion rehabilitation

T. Apostolou 🇬🇷

Schroth method for scoliosis

N. Karavidas 🇬🇷

Evidence and Clinical Applications of Spinal Manipulation in the Rehabilitation of Spinal Disorders

Ch. Papanikolaou 🇬🇷

Evidence-Based Physiotherapy Management of Chronic Low Back Pain

K. Kasimis 🇬🇷

14.45-16.30

Break

Laboratory of Anatomy & Surgical Anatomy, AUTH

16.30-20.30

CADAVERIC WORKSHOP

Kyphoplasty & Vertebroplasty

V. Stavrev, S. Kapetanakis, G. Bakaloudis

Cervical endoscopy

P. Van Daele

Lumbar endoscopy

P. Van Daele, S. Kapetanakis, K. Pazarlis, G.-M. Hess



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Laboratory of Anatomy & Surgical Anatomy,
Aristotle University of Thessaloniki
(practical part)

SUNDAY, 16TH NOVEMBER 2025

Laboratory of Anatomy & Surgical Anatomy, AUTH

09.00-13.00

CADAVERIC WORKSHOP

Thoracic & lumbar screw placement techniques

N. Skoulios, N. Schizas, P. Diaremes, G. Bakaloudis

End of Congress



CHAIRS - SPEAKERS - INSTRUCTORS

Ahmad Alaaeldin

Pediatric Orthopedic Surgeon,
Professor, Palestine Polytechnic University,
Palestine, Adjunct Professor, University of
Toledo, Ohio, USA

Anastasilakis Athanasios

Endocrinologist, Director, Department of
Endocrinology, Diabetes and Metabolism,
424, General Military Hospital, Thessaloniki,
Greece

Antonopoulos Spyridon

Assist. Orthopedic Surgeon, Department of
Scoliosis and Spinal Surgery, KAT Hospital,
Athens, Greece

Apostolou Thomas

Orthopaedic Spine Surgeon,
Professor, Department of Physiotherapy,
International Hellenic University, Thessaloniki,
Greece

Bakaloudis Georgios

Spine Surgeon, Chief, 1st Department of Spine
Surgery, Humanitas San Pio X, Milan, Italy

Bladowska Joanna

Faculty of Medicine, Wrocław University of
Science and Technology, Department of
Radiology, 4th Military Hospital, Emergency
Medicine Center, Marciniak Lower Silesian
Specialist Hospital, Wrocław, Poland

Chourmouzi Danai

Director, Radiology Department, European
Interbalkan Medical Centre, Thessaloniki,
Greece

Chronopoulos Efstathios

Professor of Orthopaedics, National and
Kapodistrian University of Athens,
Head of Laboratory for Research of
Musculoskeletal System, KAT Hospital,
Athens, Greece

Cömert Ayhan

Professor of Anatomy, Ankara University, Turkey

Diaremes Panagiotis

Senior Physician, Comm. Head of Spine
Surgery Center, University Hospital Frankfurt
am Main, Germany

Ditsios Konstantinos

Professor of Orthopaedics, Aristotle
University of Thessaloniki, Chairman, 2nd
Department of Orthopedics, G. Gennimatas
General Hospital of Thessaloniki, Greece

Gerasopoulou Maria-Efraimia

Lawyer, Legal Department, Papageorgiou
General Hospital, Thessaloniki, Greece

Giamarelos Evangelos

Professor of Internal Medicine and Infectious
Diseases, Director, 4th Department of Internal
Medicine, Attikon University Hospital, Athens,
Greece

Gkantsinikoudis Nikolaos

Neurosurgeon, Thessaloniki, Greece

Hess George-Michael

Consultant Orthopaedic Spinal Surgeon,
London Spine Clinic, London, UK

Kapetanakis Stylianos

Orthopaedic Surgeon-Spine Surgeon,
Assist. Professor in Orthopaedics, Aristotle
University of Thessaloniki, Director, Spinal
Unit and Deformities, European Interbalkan
Medical Center, Thessaloniki, Greece

Karantanas Apostolos

Professor of Radiology, University of Crete,
Chairman, Laboratory of Medical Imaging,
Heraklion University Hospital, Heraklion, Greece

Karavidas Nikos

Physiotherapist, Schroth Scoliosis & Spine
Clinic, Athens, Greece



CHAIRS - SPEAKERS - INSTRUCTORS

Karponis Athanasios

Orthopaedic Surgeon, President of Hellenic Osteoporosis Foundation (HELIOS), Thessaloniki, Greece

Kasimis Konstantinos

Specialist Musculoskeletal Physiotherapist, Lecturer in Physiotherapy, International Hellenic University, Thessaloniki

Kletsas Dimitris

Research Director, Institute of Biosciences & Applications, Head, Laboratory of Cell Proliferation & Ageing, NCSR Demokritos, Athens, Greece

Konstantinou Vasos

Orthopaedic Surgeon-Traumatologist, Cyprus Dr. Med. University of Athens

Koutelidakis Ioannis

Professor of Surgery, Aristotle University of Thessaloniki, Greece

Kritis Aristidis

Professor of Physiology-Tissue Engineering, Aristotle University of Thessaloniki, Director, Regenerative Medicine Center, Thessaloniki, Greece

Magras Ioannis

Professor and Chairman, 2nd Neurosurgical Department, Aristotle University of Thessaloniki, Thessaloniki, Greece

Matis Georgios

Neurosurgeon, Head, Department of Neuromodulation - Interventional Management of Chronic Pain & Spasticity, Hygeia Hospital, Athens, Greece

Metallidis Symeon

Professor of Internal Medicine, Infectious Diseases, Aristotle University of Thessaloniki, Thessaloniki, Greece

Moussallem Charbel

Adjunct Professor of Orthopedics, Khalifa University Abu Dhabi UAE, Assoc. Professor of Orthopedics, Lebanese University, Chairman, Orthopedic Surgery Department, Mediclinic Khalifa, Abu Dhabi, UAE

Palavos Ioannis

Consultant, Spine Department, KAT General Hospital of Athens, Athens, Greece

Papanikolaou Chrisostomos

Physiotherapist, MSc, Thessaloniki

Paraskevas Georgios

Professor of Anatomy, Chairman, Laboratory of Anatomy and Anatomy of Surgery, Aristotle University of Thessaloniki, Thessaloniki, Greece

Pazarlis Konstantinos

Chief, Department of Spine Surgery, Aleris Nacka Hospital, Karolinska Institute, Uppsala University, Sweden

Pazonis Theresa

Spine Surgeon and Orthopaedic Oncologist, Assoc. Professor of Surgery, Temple University Hospital, Philadelphia, USA

Plevri Anna

Assist. Professor, Law School, Aristotle University of Thessaloniki, Lawyer, Dispute Resolution & Medical Mal Practice Expert, Thessaloniki, Greece

Sachoulidou Athina

Assist. Professor of Criminal Law and Criminology, Law School, Aristotle University of Thessaloniki, Thessaloniki, Greece



CHAIRS - SPEAKERS - INSTRUCTORS

Sakti Yudha-Mathan

Orthopaedic Spine Surgeon, Lector, Sardjito General Hospital, Yogyakarta / Faculty of Medicine, Public Health, and Nursing Gadjah Mada University, Yogyakarta, Indonesia. Asia Pacific Orthopaedic Association Young Surgeon's Forum President, Chairman of the Indonesian College of Orthopaedic and Traumatology, Indonesia

Samoladas Efthimios

Assist. Professor in Orthopaedics and Spine, Aristotle University of Thessaloniki, Thessaloniki, Greece

Schizas Nikolaos

Senior Consultant, Spine Surgery Deformity Unit, Spine Section, Orthopedic Department, Akademiska University Hospital, Uppsala, Sweden

Skoulios Nikolaos

Neurosurgical Consultant, Hippokration Hospital Thessaloniki, Greece

Stanchev Stephan

Professor and Head, Department of Orthopedics, Traumatology and Spine Surgery, University Medical Hospital for Active Treatment Medica, Ruse, Bulgaria

Stavrev Vladimir

Professor of Orthopaedics, Head, Department of Orthopedics and Traumatology, Medical University Plovdiv, Bulgaria

Stokov Luben

Professor of Orthopaedic and Trauma Surgery, Doctor of Medical Science, Bulgaria

Totlis Trifon

Orthopaedic Surgeon, The-MIS Orthopaedic Center, St. Luke's Hospital, Thessaloniki, Greece Assist. Professor in Surgical Anatomy, Aristotle University of Thessaloniki, Thessaloniki, Greece

Tsiridis Eleftherios

Professor & Chairman of Orthopaedic Surgery Director of Adult Joint Reconstruction PGH Hospital, Aristotle University of Thessaloniki, Greece, President European Hip Society, President Hellenic Association of Orthopaedics & Trauma (2023-2024)

Van Daele Peter

Endoscopic Spinal Surgeon, Waregem, Belgium

Vasileiadi-Drakotou Elena

Radiologist, Ygeia Iatriki Apeikonisi, Larissa, Greece

Zavridis Periklis

Anaesthetist & Pain Specialist, Cyprus Pain Clinic, Cyprus, Assist. Professor of Medicine, European University, Cyprus

Zibis Aristidis

Professor of Anatomy, Chairman of Anatomy Department, Vice Dean of the Faculty of Medicine, University of Thessaly, Larissa, Greece



GENERAL INFORMATION

Date & Venue

November, 14th -16th 2025

Workshops

Laboratory of Anatomy and Surgical Anatomy of Aristotle University of Thessaloniki
University Campus, Thessaloniki, Greece,
Tel.: 0030 2310999305

Lectures

Interbalkan Medical Center
Asklipiou 10 Pylaia, Str., Thessaloniki, Greece, Tel.: 0030 2310 400000

Official language

English will be the official language of the Seminar.

CME accreditation

The Seminar has been granted with 20 ECMECs by the EACCME.

Certificate of attendance

The certificates will be sent by the end of the Seminar and as soon as the evaluation form will be submitted to the Seminar Secretariat.

Presentations

Available audiovisual equipment for all presentations will be through power point presentation. For power point presentations, your presence to the "technical reception desk" is required one hour prior to the time of your presentation in order to check the compatibility of your usb stick.

Exhibition

Within the Seminar area there will be an exhibition of medical equipment and pharmaceutical products.



GENERAL INFORMATION

Registration Fees

Registration Type	Cost
Lectures	
Specialists / Residents (only lectures)	120€
Physiatrists / Physiotherapists	50€
Students	Free
Cadaveric Workshops (includes lecture) Specialists / Residents	
Thoracic & lumbar screw placement techniques	500€
Kyphoplasty & Vertebroplasty	350€
Lumbar Endoscopy	500€
Spinal injections (cervical & lumbar) plus RF pain management	250€
Cervical Endoscopy	600€
Combo Cadaveric Workshops (includes lecture) Specialists / Residents	
• Thoracic & lumbar screw placement techniques	700€
• Kyphoplasty & Vertebroplasty	
• Thoracic & lumbar screw placement techniques	800€
• Cervical Endoscopy	
• Lumbar Endoscopy	600€
• Spinal injections (cervical & lumbar) plus RF pain management	
• Cervical Endoscopy	700€
• Spinal injections (cervical & lumbar) plus RF pain management	

24% VAT is included in the above registration rates

- * There is limited number of workshops observers, 10 persons per cadaveric workshop (5 persons per cadaver) and the availability is assigned on a "first-come, first-served" basis.



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(practical part)

GENERAL INFORMATION

Congress Secretariat



Global Events
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Conference & Event Management

Thessaloniki: 50 A Stadiou Str., 55534, Pylaia, Thessaloniki

Tel.: +30 2310 247734-43, **e-mail:** info@globalevents.gr

Athens: 2 Valestra str. & 168 A. Syngrou Av., 17671, Athens

Tel.: +30 210 3250260, **e-mail:** athens@globalevents.gr

