

The background of the entire page is a light blue map of Greece, showing its coastline and internal regional boundaries. The map is rendered in a semi-transparent style, allowing the text to be clearly visible.

5th INTERNATIONAL WORKSHOP OF **ISMNI**

combined with the

11th INTERNATIONAL SEMINAR OF **HELIOS**

28, 29, 30 September - 1 October 2006

Hotel AKS, Porto Heli, Greece

Preliminary Program

Under the
auspices of the IOF



International
Osteoporosis
Foundation



Welcome from the President of ISMNI & President of HELIOS

On behalf of the organizing committee we have the great pleasure to invite you to attend the Fifth International Workshop on Musculoskeletal Interactions.

It is organized by the International Society of Musculoskeletal and Neuronal Interactions (ISMNI) in co-operation with the Hellenic Institute of Osteoporosis (HELIOS). The workshop will take place at the AKS Hotel in the picturesque village of Porto Heli, South-Eastern Peloponnesus.

The goal of the event is to update basic scientists and clinicians on recent research regarding new aspects of the musculoskeletal and neuronal systems, thereby enhancing diagnostic and therapeutic outcome. The workshop is devoted mainly to issues of basic and clinical investigation, and it will include Plenary and Poster Sessions.

During the workshop maximal time will be allotted to discussion. Invited speakers, from around the world will cover the current topics and will present original work, so that the participants will be able to obtain the most recent information directly through ongoing studies.

At the conclusion of this workshop, participants should benefit from an integrated up-to-date understanding of biological and mechanical issues related to the musculoskeletal system and they should assess the efficacy of diagnostic procedures and drugs on pathologies of the skeleton. Additionally this conference will have a critical approach to future directions in research and treatment of osteoporosis.

Of course a venue significantly attributes to the success of a meeting. The attractive place of the venue provides a setting conducive to relaxed thinking, exchange of ideas and development of partnership. The conference will take place in a nice conference Center, overlooking the village of Porto Heli. Delegates will have the opportunity of visiting the famous summer resorts of Spetses and Hydra.

The climate Porto Heli during this period is mild and pleasant and all participants will find the opportunity to enjoy the beaches of the mainland and islands. Finally you are invited to submit your own data as a free communication, poster or video, so that to exchange information and experiences with other participants.

J. A. Gasser

G.P. Lyritis

COMMITTEES

EXECUTIVE CHAIRMEN

- ✓ Juerg A. Gasser
- ✓ George P. Lyritis

SCIENTIFIC COMMITTEE

- ✓ Claude D. Arnaud
- ✓ Moise Azria
- ✓ Maria Luisa Brandi
- ✓ Christos Cosmidis
- ✓ Jean-Pierre Devogelaer
- ✓ Ismene A. Dontas
- ✓ Jose Louis Ferretti
- ✓ George Kapetanos
- ✓ Dimitrios Karras
- ✓ Christos Komissopoulos
- ✓ George Latsos
- ✓ Toshitaka Nakamura
- ✓ George Papadimitriou
- ✓ Ioanna Paspatis
- ✓ Michalis Potoupnis
- ✓ Martin Runge
- ✓ Eckhard Schoenau
- ✓ Amalia Tsagari
- ✓ Thomas J. Wronski
- ✓ Christos K. Yiannakopoulos

Official Congress Secretariat Mastermind S.A.

7 Astronafton Str., 151 25 Maroussi

tel: +30 210 6827405

fax: +30 210 6827409

e-mail: nkarekla@streamline.gr

SCIENTIFIC STRUCTURE

WORKSHOP STRUCTURE

- ✓ Plenary Lectures
- ✓ Round Tables
- ✓ Satellite Symposia
- ✓ Oral Presentations
- ✓ Poster Presentations
- ✓ Video Presentations

WORKSHOP TOPICS

- ✓ Hellenic Clinical Guidelines for the Diagnosis and Treatment of the Postmenopausal Osteoporosis
- ✓ Bone and Muscle Interactions
- ✓ Molecular Basis of Bone Biology
- ✓ Obesity, Slim Diets and the Musculoskeletal Health
- ✓ Predictive Factors and Prevention of Osteoporosis Fractures in Elderly
- ✓ Dementia and cognitive impairment and the prevention of Fractures
- ✓ Exercise and the Burden of Fractures
- ✓ Vertebral Fractures and the Quality of Life
- ✓ Glucocorticoid/Inflammation Induces Osteoporosis
- ✓ Hepatic Osteodystrophy
- ✓ Enhancement of Experimental Fracture Healing
- ✓ Phytoestrogens and Other Plant Extracts in the Treatment of Osteoporosis
- ✓ Osteogenesis Imperfecta
- ✓ Paget's Disease of Bone
- ✓ Pathophysiology of Osteoporosis
- ✓ Primary Hyperparathyroidism
- ✓ Statins and Bone Metabolism
- ✓ Anabolic Agents and the Mechanostat

INVITED SPEAKERS

- ✓ Peter Burkhardt
- ✓ David Burr
- ✓ Jose Louis Ferretti
- ✓ Juerg A. Gasser
- ✓ Webster Jee
- ✓ David Hosking
- ✓ Brenton Noble
- ✓ Socrates Papapoulos
- ✓ Frank Rauch
- ✓ Robert Recker
- ✓ J.Y. Reginster
- ✓ Jorn Rittwegger
- ✓ Rene Rizzoli
- ✓ Eckhardt Scoenau

SCIENTIFIC PROGRAM

Thursday, 28 September 2006

- | | | | |
|---------------|--|---------------|---|
| 08.30 - 09.30 | ISMNI Session 1
Oral presentations:
Rheumatic Diseases
Chairs: D Ioakimidis -
A Eliopoulos | 10.00 - 11.00 | ISMNI Session 2
Oral presentations:
Osteogenesis imperfecta
and other inherited bone
diseases
Chairs: E Schönau -
I Paspati |
| 08.30 - 08.45 | Bone markers in patients
with rheumatoid arthritis
and osteoarthritis
N Prodanovic, B Bozic,
I Zgragic | 10.00 - 10.15 | Estimation from early
changes of serum
procollagen type I
aminoterminal propeptide
of the lumbar BMD gain
after 2 years in children
suffering from severe
osteogenesis imperfecta
J-P Devogelaer,
G Depresseux |
| 08.45 - 09.00 | Correlation of radial pQCT
with femoral DEXA
measurements in
rheumatoid arthritis patients
S Psarelis, S Gazi,
P Raptou, G Trovas,
I Dontas,
P Papagelopoulos,
GP Lyritis | 10.15 - 10.30 | Bone in bone image after
treatment with intravenous
infusions of disodium
pamidronate in twin children
suffering from osteogenesis
imperfecta
J-P Devogelaer,
F Lecouvet, G Depresseux |
| 09.00 - 09.15 | Therapeutic efficacy of
risedronate in men with
rheumatoid arthritis.
A 2-year control study
A Zacharioudaki,
D Drigiannakis, K Makris,
I Zeinaki, E Raptakis | 10.30 - 10.45 | Are there any changes in
bone mineral density in
patients with hyperlipidemia
treated with statins?
A Zacharioudaki,
D Drigiannakis, I Zeinaki,
E Raptakis |
| 09.15 - 09.30 | Higher prevalence of
decreased bone mass in
schizophrenic patients
J Menczel,
H-L U Heresco-Levy,
Y Gelfin, A Vass | 10.45 - 11.00 | Body composition in spinal
cord injured patients
Y Dionyssiotis, O Lazoura,
G Trovas, A Galanos,
P Papagelopoulos,
N Papaioannou,
P Papadaki, K Petropoulou,
GP Lyritis |
| 09.30 - 10.00 | Lecture
Chair: P Raptou
Densitometric analyses of
musculoskeletal interactions
in humans
JL Ferretti | | |

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11.00 - 11.30	Lecture Chair: I Dontas Minimodeling - a neglected bone biologic mechanism? WSS Jee	13.15 - 13.30	HCN channels regulate bone formation and resorption <i>in vitro</i> and <i>in vivo</i> T Notomi, T Skerry
11.30 - 12.00	Coffee break	13.30 - 17.00	Lunch - Free time
12.00 - 12.30	Lecture Chair: N Tsakalakos Coupled or uncoupled remodeling, is that the question? JA Gasser	17.00 - 18.00	HELIOS Session 1 Hellenic Clinical Guidelines on the Medical Treatment of Osteoporosis Chair: GP Lyritis S Tournis, E Papakitsou, A Tsagari
12.30 - 13.30	ISMNI Session 3 Oral presentations: Molecular Basis of Bone Biology Chairs: CE Sekeris - P Moutsatsou	19.00 - 20.30	Satellite Symposium - Sponsored by MSD Alendronate plus Vitamin D: Benefits and advantages for the treatment of osteoporosis Chair: G Kapetanios
12.30 - 12.45	Bone structure changes induced by mechanical and biological agents F Marsik, I Marik, V Klika	19.00 - 19.25	Vitamin D: the importance and its contribution to bone health K Mavroudis
12.45 - 13.00	Glucocorticoids regulate the mGluR5, EAAT1 and GS expression in MG-63 osteoblast-like human osteosarcoma cells N Kalariti, E Papageorgiou, P Lembessis, M Koutsilieris	19.25 - 19.50	Efficacy first A Eliopoulos
13.00 - 13.15	Differential distribution of glucocorticoid and estrogen receptor isoforms: Localization of GRbeta and ERalpha in nucleoli and GRalpha and ERbeta in the mitochondria of human osteosarcoma SAOS-2 and hepatocarcinoma HEPG2 cell lines S Solakidi, A-M Psarra, CE Sekeris	19.50 - 20.15	Alendronate plus vitamin D: The superiority versus all the other bisphosphonates S Epstein
		20.15 - 20.30	Discussion
		20.30 - 21.00	ISMNI General Assembly (first call)
		21.00 - 22.00	Welcome reception

SCIENTIFIC PROGRAM

Friday, 29 September 2006

- | | | | |
|---------------|---|---------------|--|
| 08.45 - 10.15 | HELIOS Session 2
Obesity, slim diets and musculoskeletal health
Chairs: P Burckhardt - C Yiannakopoulos | 10.30 - 11.00 | Lecture
Chair: G Trovas
Mechanography - a new device for the assessment of muscle function in pediatrics
E Schönau |
| 08.45 - 09.05 | Role of leptin in energy-deprivation states: normal human physiology and clinical implications for hypothalamic amenorrhoea and anorexia nervosa
K Tsigos | 11.00 - 11.30 | Coffee break |
| 09.05 - 09.25 | Nutritional status and dietary patterns in disabled people
A Tsagari | 11.30 - 12.00 | Lecture
Chair: T Karachalios
Combined treatments for osteoporosis or Fighting osteoporosis on two fronts
R Rizzoli |
| 09.25- 09.45 | Changes in biochemical bone markers and BMD following a twelve - month dietary intervention program
Y Manios | 12.00 - 12.30 | Lecture - Sponsored by Roche/GSK
Chair: E Papakitsou
Ibandronate in preclinical development, effects on bone mass, architecture and quality.
F Bauss |
| 09.45 - 10.00 | Discussion | | |
| 10.00 - 10.30 | ISMNI Session 4
Oral presentations: Bone and muscle interactions
Chairs: T Karachalios - G Trovas | 12.30 - 14.00 | HELIOS Session 3
Vertebral fractures and quality of life
Chairs: G Kapetanos - C Komisopoulos |
| 10.00 - 10.15 | Reposition of bone masses in the lateral direction at diaphyses as the biochemical response to excessive stress/strain states
M Petryl, J Danesova | 12.30 - 12.50 | Epidemiology of vertebral fractures: implications for vertebral augmentation
M Potoupnis |
| 10.15 - 10.30 | Association between bone mineral density and muscle mass in postmenopausal women
D Hadjidakis, A Mylonakis, I Androulakis, A Papaefstathiou, SA Raptis | 12.50 - 13.10 | Relationship of health related quality of life to prevalent and new or worsening back pain in postmenopausal women with osteoporosis
E Bakas |

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13.10 - 13.30	Kyphoplasty in osteoporotic spine fractures: a quality of life assessment P Katonis	19.30 - 19.45	Quality of bone density - Acceleration of bone thickening J Danesova, M Petrtyl
13.30 - 14.00	Discussion	19.45 - 20.00	Male mice heterozygous for pH-Sensing Receptor OGR1 show a mild bone phenotype at skeletal maturity J Gasser
14.00 - 18.00	Lunch - Free time		
16.00 - 17.00	HELIOS General Assembly (first call)		
17.00 - 18.00	ISMNI General Assembly (final call)	20.00 - 21.30	Satellite Symposium - Sponsored by Nycomed Chair: GP Lyritis
18.00 - 19.00	Lectures Chair: WSS Jee	20.00 - 20.30	Evaluation of risk factors for fracture - the high risk osteoporotic patient T Karachalios
18.00 - 18.30	Basic muscle function with a special emphasis on the effects of ageing H Degens	20.30 - 21.00	How to retain and restore bone strength? G Kapetanos
18.30 - 19.00	Can exercise prevent osteoporosis? J Rittweger	21.00 - 21.30	A therapeutic approach to high risk for fracture osteoporotic patients with PTH R Rizzoli
19.00 - 20.00	ISMNI Session 5 Exercise and musculoskeletal interactions Chairs: J Rittweger - B Noble	21.30 - 23.00	Opening Ceremony
19.00 - 19.15	Kinetic parameters in pre - and postmenopausal women Y Dionyssiotis, A Galanos, Y Katsanevakis, GP Lyritis		
19.15 - 19.30	Markers of bone metabolism during endurance cycling exercise in male athletes: Acute effects of an oral calcium load S Guillemant, G Peres, J Guillemant		

SCIENTIFIC PROGRAM

Saturday, 30 September 2006

08.30 - 09.30	ISMNI Session 6 Oral Presentations: Osteoporosis. Chairs: C Cosmidis - N Tsakalagos	10:00 - 10:30	The cellular and molecular basis of targeted remodelling in bone B Noble
08.30 - 08.45	Safety and quality of life after 18 months of teriparatide treatment in osteoporotic patients with vertebral fractures E Raptakis, V Lukas, E Kataxaki, K Skutaridis, T Manos, A Zacharioudaki	10.30 - 11.00	Coffee Break
08.45 - 09.00	The prevalence of osteoporosis in the population of Tirana, Albania D Ruci, A Priftanji, A Tafaj, V Ruci, D Tole	11.00 - 12.00	HELIOS Session 4 Glucocorticoid / inflammation induced osteoporosis Chair: D Karras
09.00 - 09.15	Local anaesthesia balloon kyphoplasty in the treatment of osteoporotic vertebral fractures V Lykomitros, K Anagnostidis, M Potoupnis, G Kapetanos	11.00 - 11.20	Pathogenesis of bone disease in chronic inflammation A Eliopoulos
09.15 - 09.30	Oral salmon calcitonin reduces the Lequesne's functional index and decreases the urinary and serum levels of biomarkers of joint metabolism in knee osteoarthritis DH Manicourt, M Azria, L Mindeholm, J-P Devogelaer	11.20 - 11.40	Glucocorticoid-induced osteoporosis S Gazi
09.30 - 10:30	Lectures Chair: JA Gasser	11.40 - 12.00	Effect of anti-rheumatic drugs on bone metabolism E Kaskani
09:30 - 10:00	Biomechanical and molecular regulation of bone remodeling A Robling	12.00 - 13.30	Satellite Symposium - Sponsored by Novartis New horizons in the treatment of bone disorders Chair: GP Lyritis
		12.00 - 12.25	Osteoporosis, where are we heading to? P Burckhardt
		12.25 - 12.50	Calcitonin in the treatment of osteoporosis GP Lyritis
		12.50 - 13.15	Zoledronic acid 5 mg: What is unique about it J Gasser

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13.15 - 13.30	Discussion	19.45 - 20.00	Discussion
13.30 - 16.30	Lunch - Free Time	20.00 - 21.30	Satellite Symposium - Sponsored by Servier Chair: G Kapetanos
15.30 - 16.30	HELIOS General Assembly (final call)	20.00 - 20.25	Improvement in bone strength parameters: the role of strontium ranelate S Tournis
17.00 - 18.00	HELIOS Session 5 Enhancement of fracture healing Chairs: P Papagelopoulos - E Papakitsou	20.25 - 20.50	Management of postmenopausal osteoporosis in 2 fields: the role of strontium ranelate D Karras
17.00 - 17.30	Current trends in the enhancement of biomaterial osteointegration: biophysical stimulation G Babis	20.50 - 21.15	Current treatment of postmenopausal osteoporosis: the position of strontium ranelate GP Lyritis
17.30 - 18.00	Enhancement of fracture- healing in clinical practice T Karachalios	21.15 - 21.30	Discussion
18.00 - 18.30	Coffee Break	22.00 - 24.00	Farewell Dinner
18.30 - 20.00	Satellite Symposium - Sponsored by Eli-Lilly An integral confronting of Osteoporosis Chair: GP Lyritis		
18.30 - 18.55	Effectiveness of Raloxiphen in osteopenia and osteoporosis: early response and duration of its benefit A Katsalira		
18.55 - 19.20	Teriparatide: a unique action on bone strength G Trovas		
19.20 - 19.45	Clinical use of Teriparatide: long term clinical experience D Agnusdei		

SCIENTIFIC PROGRAM

Sunday, 1 October 2006

- 09.30 - 10.30 Lectures**
Chair: GP Lyritis
- 09:30 - 10:00 Tomographic assessment of muscle-bone interactions in normal humans
JL Ferretti
- 10:00 - 10:30 Physical fitness and nutrition as determinants of hip fracture in advanced age: the SEMOF study
P Burckhardt
- 10:30 - 10:45 Discussion
- 10:45 - 11:15 Coffee break**
- 11.15 - 12.25 HELIOS Session 6 Falls**
Chair: N Papaioannou
- 11.15 - 11.35 Preventing osteoporosis-related fractures
I Dantas
- 11.35 - 11.55 Rehabilitation after falls and fractures
Y Dionysiotis
- 11.55 - 12.25 PROFANE. A European team work to promote the prevention of falls
D Skelton
- 12.25 - 12.55 Lecture**
Chair: A Katsalira
- Mortality and adverse health events in newly admitted nursing home residents
D Hadjidakis
- 13.00 - 13.30 Closing Sessions:**
General Discussion
Proposals and ideas for the 2008's meeting -
Conclusions

REGISTRATIONS

Please fill in the Registration Form in English capital letters and tick where appropriate.
For any questions, please contact:

Mastermind S.A.
7 Astronafton Str., 151 25 Maroussi
tel: +30 210 6827405
fax: +30 210 6827409
e-mail: nkarekla@streamline.gr

ON SITE REGISTRATIONS

From **Thursday, September 28th, 2006** onwards registrations will be accepted only at the Congress Secretariat in the Congress Venue.

Thursday, September 28th, 2006	08:00-20:00
Friday, September 29th, 2006	08:00-20:00
Saturday, September 30th, 2006	08:00-20:00
Sunday, October 01st, 2006	08:30-13:30

REGISTRATION FEES

Categories	Pre-Registration Until August 31, 2006	From September 01, 2006 On Site
Participants	€ 300	€ 350
Trainees	€ 150	€ 200
Students	Free of Charge	Free of Charge
Other Health professionals	€ 150	€ 200

What is included in the Registration Fee:

- ✓ Attendance to all Scientific Sessions
- ✓ Access to the Exhibition
- ✓ Opening Ceremony / Welcome reception
- ✓ Coffee breaks throughout the Congress
- ✓ Congress material
- ✓ Certificate of attendance

Method of Payment

Payment should be made in Euros, without charges for the beneficiary as follows:

By bank transfer to the order of Mastermind S.A.
Piraeus Bank
Iban No: GR43 0172 0130 0050 1301 4234 155
BIC: PIRBGRAA

If payment is made by bank transfer, please send a copy of the bank transfer voucher, by fax to 0030 210 6827409. Please mention your name and the congress name on the bank transfer.

Cancellation Policy

Cancellation of registration should be in writing to the Congress Registration Department Mastermind S.A. Services. For every written cancellation received before August 1st, 2006, the full amount received, less 30% handling fee, will be refunded. No refund thereafter. All refunds will be made within two months after the end of the Congress. Bank charges will be deducted.

GENERAL INFORMATION

Congress Venue

AKS Porto Heli Hotel & Convention Centre
Porto Heli, Argolida, Greece
tel: +30 2754-053400,
fax: +30 2754-051549
www.akshotels.com

Location & Distances:

THE AKS PORTO HELI HOTEL is located in one of the most picturesque regions of eastern Peloponnese just 185 km from Athens. Situated just across the beautiful island of Spetses; the hotel overlooks the natural bay of Porto Heli. One may reach the hotel by car through the national highway to Corinth and Epidaurus or by sea with Hydrofoil or Catamaran boats from the port of Piraeus, 2 ½ hours away from Athens.

Official Language

English will be the official language of the Congress. There will be translation to and from Greek.

Oral Presentations

Computer projection facilities (power point presentation) will be available in the meeting rooms. Presenting authors will receive all technical information and instructions regarding their presentation prior to the Congress in order to ensure the smooth running of sessions.

Name Badge

All delegates and accompanying persons will receive a name badge upon registration. For identification purposes badges must be worn for all Congress activities. Admission to the Congress will not be allowed without badge identification.

Exhibition

A large exhibition will run alongside the Congress. All exhibits will be integrated with the main Congress areas. For details on Exhibition - Sponsorship Opportunities please contact:

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fax: +30 210 6827409
e-mail: nkarekla@streamline.gr

SOCIAL EVENTS

Opening Ceremony

The Opening Ceremony will be Ballroom I-III at AKS Porto Heli Hotel, on Friday, September 29th, 2006, at 19:30. The Opening Ceremony will be followed by a welcome reception.

Free for all registered participants.

Farewell Dinner - Greek Night

Greeks are renowned for their hospitality and ability to enjoy their traditional music and entertainment even in the most simple way. A perfect way for you to become part of this style of life is to join our Greek night, on Saturday, September 30th, 2006, offering of good Greek food, local wine and live folklore dancers. Please indicate your participation and number of persons on the Registration Form.

Cost per person: € 70

ACTIVITIES - TOURS

Excursions:

Half Day Cruise to Spetses: by boat

With its beautiful vegetation and aromatic pine forest, Spetses offers the visitor a vast array of grand houses, the most imposing building being that of the "Anargyros College". This beautiful island reached its fame in 1821 in the Greek war for independence when the local heroine Bouboulina



lead its fleet. Inviting taverns and cafes, courtyards and streets decorated with pebbled mosaics and horse drawn carriages make

a unique setting.

Cost: € 40 per person
(minimum number 25 participants)

Full Day Epidauros, Mycenae, Nafplion: by coach



Epidauros is the shrine of the Greek god of Medicine Asclepius, the son of Apollo. One may still see at Epidauros the foundations of the

fifth century B.C. temple of Asclepius. Most tourists however come to Epidauros to see the best preserved of all the Greek theatres. The spectators can enjoy performances of ancient drama staged here each year during July and August. Nafplion is regarded by many as the loveliest town in all Peloponnese. The tourist Nafplion area along the harbour is lined with quayside - cafes.

After the liberation war (1821-1830) Nafplion was briefly the capital of the independent Greece. The archaeological museum itself occupies a 17th century Venetian naval depot on Syntagma square.

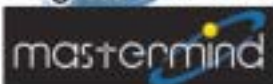
Near this place are the headquarters of the Peloponnesian Folklore Society and Museum.

Cost: € 70 per person, including lunch without beverages (minimum number 25 participants)





Congress Secretariat



7, Astronafton St., 151 25 Marousi, Tel.: +30 210 6827405, +30 210 6839690
Fax: + 30 210 6827409, e-mail: nkarekla@streamline.gr