



INTERNATIONAL MEDICAL OLYMPICUS ASSOCIATION

With the cooperation of International Advisors

51 Hermou Str, P.C. 54623, Thessaloniki, Macedonia - Greece,

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6th International Medical Olympiad

*Original papers of social interest from all medical sciences
UEMS-EACCME has granted 11 educational points to the participants*

Under the Auspices of the:

Ministry of Education and Religious Affairs, Ministry of Health,

School of Health Sciences and School of Medicine

of the Aristotle University of Thessaloniki

Sponsored by Aristotle University Research Committee



In cooperation with:



The Medical School of the University of Crete,



The Medical School of Democritus University of Thrace

International Hippocratic Foundation

*Cooperating Societies: The Hellenic Society of Alzheimer's Disease &
Congenital Disorders, The Sports Medicine Association of Greece*

PROGRAMME INFORMATION



National Symbols of the Board Members of International Advisors

A message from the President of the Organizing Committee

Dear Colleagues,

Medicine, according to Aristotle (book Nicomachean Ethics, p. 34-36, Loeb Classical Library, Harvard 73) when well exercised leads to health.

In our time, health becomes more precious than ever due to pollution of our environment, climate change, poverty and unexpected conflicts between nations. Under these conditions we must strengthen and increase our devotion to medicine and try to offer as much health as we can. The International Medical Olympiad Association invites all colleagues serving medicine and/or other related specialties like biology, psychology etc to present in the 6th Olympiad research papers and exchange views for better health to our societies.

Perhaps the next years, starting from 2023, will dramatically need our scientific knowledge in chapters like First Aid, Treatment of Injuries and other emergency conditions like Cardiovascular and Respiratory Failure. Not to mention the tragic results of nuclear accidents and/or of nuclear weapons, climate change or famine that our generation will certainly face in the future.

Main subjects of this Olympiad will refer to First Aid, Injuries, Obesity, Acute Cardiovascular and Respiratory Diseases, Radiation Sickness and miscellaneous prototype subjects.

We shall make every effort necessary to publish a detailed summary of original papers who refer to the most practical and useful medical needs, as mentioned above, in a booklet and distribute it to all speakers and participants so that will carry back home the knowledge and the spirit of the 6th Olympiad. Few copies of the new book of Neo-Hippocratic Medicine, which includes highlights of medical knowledge and related Hippocratic Aphorisms, will also be available.

As in every Olympiad, we shall have a joint meeting with our Advisors on Saturday evening and we shall try to have an excursion on Sunday November 6th, in order to know better each other and exchange innovative views for the benefit of medicine and health.

Three first prizes and more will be awarded to the best presentations.

We ask you to join the 6th International Medical Olympiad and hope you will have an important scientific experience in Thessaloniki. The weather in early November is usually fine in Thessaloniki. Please let us know if any difficulties that we may cover related to your cooperation appear.

With kind regards

The President of the Organizing Committee

Professor Emeritus Philip C. Grammaticos

7 rules suggested by the Advisors, standing for better organizing the Olympiads

1. Homepage. All information about the forthcoming 6th International Medical Olympiad will be included in the homepage of our Association www.medolympicus.gr. This homepage will be renewed with new information on time.

2. International Education Points. To be announced soon.

3. Financial Benefits. Provide benefits if financially possible, by partially waiving fees for participation, for housing and by offering financial support to travel expenses particularly for young colleagues, for colleagues from underdeveloped countries and for those having a high cost of travel.

4. Special Sessions. Organize special sessions, before or after the main program of oral presentations of the Medical Olympiads like: a) A workshop about Statistics-Useful applications in Nuclear Medicine run by Prof S. Sharma and colleagues. b) Organize presentations on “how to” and/or “why” on practical subjects of social interest. c) Satellite sessions can be organized with or without the collaboration or sponsorship of pharmaceutical firms or Institutions.

5. Younger Colleagues. Try to communicate with younger colleagues through various local Medical Societies or by personal contact, in order to inform them of the benefits of the Medical Olympiads inviting them to participate. Advisors may be very helpful on this goal. Younger colleagues will also be encouraged to participate in the above special sessions, guided by senior colleagues, to the Organizing Committee of the Medical Olympiads and in other parts of the program. Younger colleagues may have financial support as mentioned above.

6. Our Advisors. We kindly mention to our Advisors that the position they hold in organizing the future International Medical Olympiads is important and that they represent their Country. Their kind and voluntary contribution aims to submit original papers of social interest and to inform colleagues from their Countries of the benefits of the Medical Olympiads, in case they wish to participate. Advisors may also wish to propose to the Organizing Committee the names of certain distinguished colleagues for lecturers, may evaluate the papers submitted from their Country, suggest persons to participate to special sessions, or organize sessions, suggest chair-persons and also may wish to suggest who may receive financial support. All Advisors’ suggestions will be duly considered for acceptance by the Organizing Committee.

7. A Sponsored Competition on a Special Subject. To encourage sponsors, Individuals, Institutions or Pharmaceutical Firms to sponsor under their name (like: the John Smith’s award) a competition of original papers of social interest. Subjects of this competition could be: Obesity, First Aid, Radiation Accident, Various kinds of Dementia, Lymphomas, Nanoparticles, Genetics etc. The winners of this contest will receive valuable prizes and a diploma.

The Administrative Board

President: Grammaticos Philip, Vice-Presidents: Melfou Fani, Tsolaki Magda, Secretary: Papantoniou Georgia, Treasurer: Moraitou Despoina, Members: Gogakos Stefanos, Antonitsis Polychronis, Myronidou Maria, Tzafetas John, Natsis Konstantinos, Patsikas Michael

The Organizing Committee

President: Grammaticos Philip Ass. President: Antonitsis Polychronis Members (alphabetically): Gogakos Stefanos, Moraitou Despoina, Myronidou Maria, Patsikas Michael, Tsolaki Magda

The Scientific and Awards Committee (alphabetically)

Anastasiadis Kyriakos, Baloyannis Stavros, Dardavesis Theodoros, Foroglou Pericles, Grammaticos Philip, Manthos Anastasios, Natsis Konstantinos, Tzafetas John

The Group of International Advisors from different Countries (Alphabetically by country)

Presidents: Alavi Abass, **USA** - Grammaticos Philip, **Greece**

Vice-President: Bandopadhyaya Gurupad, **India**

Secretary: Kokkas Vasileios, **Greece**

Members: Karagiannis Tom, **Australia**, De Geeter Frank, Sarafidis Alex, **Belgium**, Chao Ma, **China**, Petrou Ioannis, Frangos Savvas, **Cyprus**, Høilund-Carlsen Poul, **Denmark**, Mailänder Peter, **Germany**, Grammatikos Philip, Foroglou Pericles, Goulielmos George, Valsamaki Pipitsa, **Greece**, Singh Baljinder, Dhawan Devinder, Sharma Suresh, **India**, Nikouei Amir, **Iran**, Palumbo Barbara, Rubini Giuseppe, **Italy**, Hatazawa Jun, Yamamoto Tomoaki, **Japan**, Cholewinski Witold, Pietrzak Agata, **Poland**, Ajdinovic Boris, Matovic Milovan, **Serbia**, Sathekge Mike, **South Africa**, Stergios Doumouchtsis, **U.K**, Relan Nand, **USA**.

Fellows

Alavi Abass, Bandopadhyaya Gurupad, ⁺Sinzinger Helmut,
Ajdinovic Boris, Dhawan Devinder, Matovic Milovan, Rubini Giuseppe

Information

Meeting venue

“Manolis Anagnostakis” hall, City Hall of Thessaloniki, Vasileos Georgiou A’ No 1 – P.C. 546 40 Thessaloniki.

The official language of the Meeting is *English*.

Prizes

Valuable prizes and diplomas will be awarded to the best papers and lectures.

Accreditation points from EACCME

The attendants will receive in total **11 European Educational CME-CPD credits**, in case they attend all seven sessions of the Olympiad, divided by the number of sessions they will attend. These credits are for MDs who must complete a questionnaire before receiving the diploma of attendance etc.

Registration

Registration fee for attending the program of the Meeting and/or submitting a paper is 100€. At least one author for every paper submitted must be registered. Participants may ask for a smaller registration fee. For young colleagues, registration fee is 50€. Graduate and post graduate medical students, nurses and technicians: 40€. Students of all levels, disabled and members of general public pay no fee. A certificate of attendance will also be offered.

You may ask the Organizing Committee of the Meeting for partly waiving the above fees.

You may pay via our account of Iatrikos Olympicos Syndesmos (Medical Olympicus Association) in Alpha Bank, Mitropoleos 19 str, PC 546 24, Thessaloniki, Greece, IBAN: GR80 0140 4740 4740 0200 2004 801, BIC: CRBAGRAAXXX. The name of the treasurer is Assoc. Professor Despoina Moraitou. Please mention the name of the depositor and the purpose of payment.

The Excursion

On the 6th of November 2022 we shall have the usual excursion in order that participants of the Olympiad have a better chance to communicate with each other and also visit unique archeological places.

The excursion will start at 09:15, the bus will leave at 09:15 from the well-known place of Venizelos statue in Aristotle Street crossing Egnatia Street. An experienced guide will attend the excursion. First, we shall visit the City Archeological Museum where we will see the greatest exhibition in Greece of «The Gold of Macedon» and the greatest world exhibition of golden wreaths. Furthermore, we shall see the oldest European writing of Derveni (at the outskirts of Thessaloniki) and the famous Derveni krater where is depicted the sacred wedding of Dionysus and Ariadne.

At about 12 o'clock we shall visit two Macedonian graves at St Athanasios village, about 25 km from Thessaloniki. These graves have beautiful frescos on their external wall.

At about 14:00 we shall have lunch in a restaurant of St Athanasios village and return to Thessaloniki at the starting point. Price for participation 20 € (lunch included). Please book early through our mail.

Criteria for the evaluation of papers *have been*: a) Originality on a new subject-basis: 60%, b) Social impact: 25%, c) Statistical support or sufficient proof of results and well organized and easily read presentation: 15%.

The final program - information booklet will be distributed to the participants who are registered. **The booklet with the detailed summaries** will be offered to all registered. Participants who have missed some of the orally presented papers will find extended summaries of these papers and related questions and answers in the book of summaries which is about 80 pages.

The Chairmen of every session are kindly requested to evaluate the papers presented by a grade from 1 to 10.

The time allowed for every orally presented paper will be 15 min and for discussion 5 min. Authors are kindly requested to comply with this timetable.

For more information and all about our society activities, please see our website: www.medolympicus.gr or please contact us at the e-mail address of the Association: molympicus@gmail.com.

Programme

Friday 4th November 2022

Oral Presentations

(Time for presentation of papers: 15 min. Time for discussion: 5 min.)

09:00	<i>Registration</i>
09:30-11:10	Session I Miscellaneous, Parkinson Chair: Myronidou Maria, Zisimopoulos Athanasios, Sharma Suresh, Ajdinovic Boris
09:30-09:50	Dhawan Devinder et al. <i>The importance of Zinc in health and disease</i>
09:50-10:10	Nand Relan <i>Clinical Utility of Dopamine Transporter (DaT) Single Photon Emission Computed Tomography-Computed Tomography (SPECT-CT) Imaging in Parkinson Disease</i>
10:10-10:30	Sandhir Rajat <i>Hydroxytyrosol as Potential Therapeutic Molecule against Parkinson's disease</i>
10:30-10:50	Mack Maria et al. <i>Neuropsychological consideration of Parkinson's disease and essential tremor patients treated with deep brain nucleus stimulation: A description of short term and long-term effects</i>
10:50-11:10	Antonitsis Polychronis and Anastasiadis Kyriakos <i>Research innovations in Cardiac Surgery</i>
11:10-11:40	<i>Coffee break</i>
11:40-13:40	Session II Miscellaneous, Obesity Chair: Kouloulis Vasileios, Sandhir Radjat, Müller Lisa-Marie, Valsamaki Pipitsa
11:40-12:00	Sharma Deepika <i>Preclinical evaluation of Magnetic Hyperthermia for the treatment of glioma</i>
12:00-12:20	Høilund-Carslen Poul <i>New aspects related to the pathogenesis of cognitive diseases: The role of atherosclerosis</i>
12:20-12:40	Mack Maria et al. <i>Intra-operative Radiation Therapy (IORT) in patients with spinal metastasis during Kyphoplasty: A report of extended clinical follow up of a pioneer study in Iran</i>
12:40-13:00	Natsis Konstantinos <i>Exercise Prescription for health: Sports Medicine promotes active lifestyle</i>
13:00-13:20	Foroglou Pericles <i>Post-Bariatric Surgery and Obesity</i>
13:20-13:40	Tzitzis Evanthia et al. <i>Novel promising drugs and pharmaceutical algorithms for the treatment of obesity</i>
13:40-17:30	<i>Lunch break</i>

17:30-19:30 *Opening Ceremony*

Welcome by the President of the International Medical Olympic Association
Philip Grammaticos,

Addressing the Olympiad by the Dean of the School of Health Sciences,
Professor Theodoros Dardavesis and by
The President of the Medical School of Thessaloniki,
Professor Kyriakos Anastasiadis

The Official Opening Address for the Olympiad by the Mayor of Thessaloniki
Mr Kostantinos Zervas

The Philharmonic Orchestra of the Municipality of Thessaloniki will play
melodies of well-known Greek composers. Director: F. Terzis

Break

Recitation of the Hymn of the Medical Olympiads by Miss Evanthia Tzitzis

Awards of honorary fellowships to Professors Boris Ajdinovic, Devinder
Dhawan, Giuseppe Rubini and Milovan Matovic

Reception

Saturday 5th November 2022

Oral Presentations

(Time for presentation of papers: 15 min. Time for discussion: 5 min.)

- 09:30-11:10** **Session III First Aid, Obesity, Miscellaneous**
Chair: Matovic Milovan, Dhawan Devinder, Høilund-Carlsen Poul, Kalousis Konstantinos
- 09:30-09:50 Papadimitriou Dimochristos et al.
First Aid resuscitation, drowning, obstruction of airways, a historical overview
- 09:50-10:10 Müller Lisa-Marie et al.
Treatment of severe burn injuries
- 10:10-10:20 Papazisis George et al.
Bulimia Nervosa in children and adults (diagnosis and facing the disease)
- 10:20-10:50 Baloyannis Stavros
Obesity as a frequent manifestation of limbic system dysfunction
- 10:50-11:10 Grammaticos Philip
Research Suggestions for the Treatment of Angina and Malignant Diarrhea - More Neo-Hippocratic Medicine
- 11:10-11:30** *Coffee break*
- 11:30-13:30** **Session IV Miscellaneous**
Chair: Baloyannis Stavros, Mailänder Peter, Sharma Deepika, Natsis Konstantinos
- 11:30-11:50 Høilund-Carlsen Poul
Artificial intelligence-based interpretation in molecular medicine
- 11:50-12:10 Rubini Giuseppe et al.
Coronary calcifications as a new prognostic marker in COVID-19 patients: role of CT
- 11:10-12:30 Valsamaki Pipitsa
Hypovitaminosis D in SARS-CoV-2-infected population
- 12:30-12:50 Matovic Milovan et al.
Our solution for automatic filling of ⁹⁹Mo-^{99m}Tc generators alumina (Al₂O₃) columns
- 12:50-13:10 Verganelakis Dimitris et al.
Nuclear accidents from reactors and military events
- 13:10-13:30 Liolios Theodoros and Lioliou Fr.
Medical Consequences of Nuclear Weapons and Nuclear War
- 13:30-17:00** *Lunch break*

17:00-18:00	<i>Session V Miscellaneous</i> <i>Chair: Tsolaki Magda, Antonitsis Polychronis, Foroglou Pericles, Liolios Theodoros</i>
17:00-17:20	Tzafetas John <i>The emergence of a new medical speciality: 'ONCOFERTILITY'</i>
17:20-17:40	Rubini Giuseppe et al. <i>Is COVID infection a new possible risk factor for neurologic cognitive impairment?</i>
17:40-18:00	Tsolaki Magda <i>Innovative aspects in Alzheimer's disease</i>
18:00-18:20	<i>Coffee Break</i>
18:20-19:20	<i>Session VI Miscellaneous</i> <i>Chair: Rubini Giuseppe, Tzafetas John, Kokkas Vasileios</i>
18:20-18:40	Sharma Suresh <i>Predictive Modeling for Coronavirus Pandemic and Common Statistical Errors in Medical Sciences</i>
18:40-19:00	Ajdinovic Boris et al. <i>Diuretic ^{99m}Tc DTPA renography in assessment of renal function and drainage in infants with antenatally detected hydronephrosis</i>
19:00-19:20	Valsamaki Pipitsa <i>^{99m}Tc-PYP scintigraphy role in transthyretin-induced cardiac amyloidosis</i>
19:20-20:30	Advisors meeting
20:30-21:00	Prizes, Certificates of Attendance, International Units. Evaluation and Future Plans for The Olympiads by the President of the 6th Olympiad.