

3rd international forum on zygomycosis

www.zygomycosis2014.eu



19-21 September 2014

Golden Coast Hotel | Marathon | Attica | Greece

Friday, 19 September 2014 at 08:30 - 13:00

WORKSHOP on Practical approach to the diagnosis and treatment of mucormycosis. An educational course

Organized by:



zygomycosis.net

The ECMM/ISHAM Working Group on Zygomycosis
www.zygomycosis.net

In collaboration with:

Hellenic Society of
Medical Mycology (HSMM)



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Final Program



Committees

Forum Coordinator

George Petrikkos

Coordinator of the ECMM/ISHAM Working Group on Zygomycosis

Local Organising Committee

President: George Petrikkos

Vice President: George Samonis

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George Petrikkos

Anna Skiada

Livio Pagano

Eric Dannaoui

Oliver Cornely

Manuel Cuenca - Estrella

Marcio Nucci

Arunaloke Chakrabarti

Theoklis Zaoutis

Thomas Walsh

Invitation

Dear Colleagues,

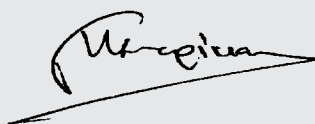
It is a great pleasure for me to welcome you to the 3rd International Forum on Zygomycosis, which is taking place in Marathon, from the 19th to the 21st of September, 2014.

Zygomycosis (now called mucormycosis) is an emerging disease leading to high morbidity and mortality. The ECMM/ISHAM Working Group on Zygomycosis was initially formed in 2004, as an European Group, and it subsequently became international. The 1st Forum on Zygomycosis took place in Cape Sounion, in 2008 and it brought together many prominent scientists from Europe. Its proceedings were published in a supplement of CMI journal. The 2nd Forum took place in Porto-Heli, in Peloponnese, Greece and it was also very successful.

The 3rd Forum is in Marathon, about 30km out of Athens, in a venue conveniently situated near the airport. This Forum has a new feature as you can see in the scientific program. A workshop is taking place on Friday morning, for people who would like to know more about this lethal disease, with emphasis on practical issues.

I would like to thank you all for your participation and I am looking forward to a stimulating and exciting event.

George Petrikkos



Co-ordinator of the ECMM/ISHAM Working Group on Zygomycosis

Scientific Program

Friday, 19 September 2014

08:00 Registration

WORKSHOP

08:30 - 13:00

Chair: *G. Petrikkos, T. Walsh*

**Practical approach to the diagnosis and treatment of mucormycosis.
An educational course**

08:30 - 10:30

- **Epidemiology**, *G. Petrikkos*
- **Problems in clinical diagnosis**, *A. Skiada*
- **Introduction to Mucorales**, *M. Drogari - Apiranthitou*
- **Classical cultures and microscopic techniques for zygomycetes**, *M. Petrou*
- **Molecular identification**, *M. Drogari - Apiranthitou*

10:30 - 11:00

Coffee break

11:00 - 13:00

Interactive Case Presentations

- **Treatment of mucormycosis**, *G. Chamilos*
- **A case of rhinocerebral mucormycosis**, *A. Skiada*
- **A case of pulmonary mucormycosis**, *S. Zimmerli*
- **A case of CNS mucormycosis**, *A. Antoniadou*
- **A case of pediatric mucormycosis**, *E. Roilides*

13:00 - 16:00

Break - Lunch

MAIN COURSE

16:00 - 17:30

Chair: *S. Zimmerli, A. Chakrabarti*

Oral Presentations

Zebrafish larva - a novel model system for mucormycosis

Kerstin Voelz^{1,2,3}, Remi ML Gratacap³, Robert T. Wheeler³

¹Institute of Microbiology and Infection, School of Biosciences, University of Birmingham, Birmingham, UK | ²National Institute for Health Research Surgical Reconstruction and Microbiology Research Centre, Queen Elizabeth Hospital Birmingham, Birmingham, UK | ³Department of Molecular and Biomedical Sciences, University of Maine, Orono, USA

Alternative infection models to investigate virulence in Rhizopus

Somayeh Dolatabadi, Ilse Jacobsen, Ulrike Binder, G. Sybren de Hoog

CBS-KNAW Fungal Biodiversity Centre, Utrecht, The Netherlands

Post-traumatic mucormycosis: a nationwide study in France and review

*Lucie Lelièvre¹, Dea Garcia-Hermoso^{2,3}, Hedy Abdoul⁴, Mickael Hivelin⁵, Laurent Lantieri⁵, Olivier Lortholary^{1,2,3}, Fanny Lanternier^{*1} and the French Mycosis Study Group*

¹Hôpital Necker-Enfants malades, Department of Infectious Diseases, Assistance Publique Hôpitaux de Paris, Centre d'Infectiologie Necker-Pasteur, University Paris Descartes, Paris, France | ²CNRS URA3012, Paris, France | ³Institut Pasteur, Unité de Mycologie Moléculaire, Centre National de Référence Mycoses Invasives et Antifongiques, Paris, France | ⁴Hôpital Necker-Enfants malades, Department of Biostatistic, Assistance Publique Hôpitaux de Paris, University Paris Descartes, Paris, France | ⁵Hôpital Européen Georges Pompidou, Department of Plastic and Reconstructive Surgery, Assistance Publique-Hôpitaux de Paris, University Paris Descartes, Paris, France

Saksenaea and apophysomyces: two emerging mucormycetes causing necrotizing fasciitis, primary cutaneous disease among humans

Jagdish Chander

Professor & Head, Department of Microbiology, Government Medical College Hospital

Acetic acid activity against mucorales

Trzaska Wioleta, May Robin, Voelz Kerstin, Haltstead Fenella*

¹NIHR Surgical Reconstruction and Microbiology Research Centre, Queen Elizabeth Hospital Birmingham, UK | ²Institute of Microbiology and Infection, School of Biosciences, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK

Scientific Program

17:30 - 18:00 Chair: *M. Richardson*
Taxonomy of Mucorales: Any changes? *A. Chowdhary*

18:00 - 18:45 Chair: *G. Petrikkos*
Mucormycosis research at MD Anderson Cancer Center, the last 15 years
D. Kontoyiannis

18:45 **Opening Ceremony - Welcome Reception**

Saturday, 20 September 2014

08:30 - 11:00 Chair: *S. Tsiodras, T. Zaoutis*
Mucormycosis around the world: epidemiological and clinical variations
Europe: *G. Petrikkos*, Mexico: *A. Bonifaz*, USA: *E. Mylonakis*,
Australia: *M. Slavin*, India: *A. Chakrabarti*

11:00 - 11:30 Coffee break

11:30 - 12:00 Chair: *E. Roilides*
Update on pediatric mucormycosis and new pediatric guidelines, *A. Groll*

12:00 - 13:30 Chair: *A. Ibrahim, E. Roilides*
Pathogenesis

- Pathogenesis of mucormycosis: an update, *A. Ibrahim*
- Biological agents as risk factors for mucormycosis, *T. Walsh*
- Host defenses against mucormycetes, *E. Roilides*

13:30 - 15:00 Break - Lunch

15:00 - 17:00 Chair: *M. Cuenca - Estrella, G. Vrioni*
Diagnosis

- Diagnostic value of reverse halo sign, *S. Georgiadou*
- Antifungal susceptibility testing, *M. Cuenca - Estrella*
- Methods for identification of isolates in cultures, *E. Dannaoui*
- Early diagnosis of mucormycosis with the detection of circulating DNA in serum, *L. Millon*
- Molecular methods for the diagnosis of mucormycosis from tissue samples, *R. Bialek*

20:00 Dinner

Sunday, 21 September 2014

08:30 - 10:30 Chair: *G. Petrikkos, G. Samonis*
Treatment

- Polyenes: which one, at what dosing and for how long? *A. Skiada*
- Azoles against mucorales, *N. Sipsas*
- Deferasirox and other adjunctive treatments, *A. Ibrahim*
- Combination treatment: an update, *L. Pagano*
- Guidelines for the treatment of mucormycosis, *F. Lanternier*

10:30 - 12:00 **Working Group Meeting**

12:00 - 12:30 **Closing Remarks**

Chairmen / Speakers' List



Antoniadou Anastasia

Associate Professor of Internal Medicine and Infectious Diseases, Athens University Medical School University General Hospital "ATTIKON", Athens, Greece

Bialek Ralf

Professor, Head, Molecular Diagnostics of Infectious Diseases, LADR GmbH MVZ Dr. Kramer & Kollegen, Geesthacht, Germany

Bonifaz Alexandro

Professor, Head and Titular Researcher of Mycology's Department of Dermatology Service, Hospital General de Mexico, Mexico

Chakrabarti Arunaloke

Professor and In-Charge, Center of Advance Research in Medical Mycology, WHO Collaborating Center for Reference & Research of Fungi of Medical Importance National Culture Collection of Pathogenic Fungi, Head, Department of Medical Microbiology, Postgraduate Institute of Medical Education & Research Chandigarh, India

Chamilos Georgios

Attending Physician, Department of Internal Medicine, University Hospital of Crete, Greece

Chowdhary Anuradha

Professor, Head, Department of Medical Mycology, V P Chest Institute, University of Delhi, Delhi, India

Cuenca - Estrella Manuel

Director, Centro Nacional de Microbiología, Spanish National Center for Microbiology, Madrid, Spain

Dannaoui Eric

Associate Professor, Paris - Descartes University - Mycology Unit, Georges Pompidou European Hospital, Paris, France

Drogari - Apiranthitou Miranda

Medical Microbiologist, Head of the Infectious Diseases Research Laboratory of the 4th Dept. of Internal Medicine, School of Medicine, National and Kapodistrian University of Athens, "ATTIKON" Hospital, Greece

Georgiadou Sara

Department of Internal Medicine and Infectious Diseases, University General Hospital of Larissa, Greece

Groll H. Andreas

Associate Professor of Pediatrics, Head, Infectious Disease Research Program Center for Bone Marrow Transplantation and Department of Pediatric Hematology and Oncology, University Children's Hospital Muenster, Germany

Ibrahim S. Ashraf

Professor of Medicine, David Geffen School of Medicine at UCLA, Los Angeles Biomedical Research Institute, Harbor-UCLA Medical Center, Division of Infectious Diseases (RB2), USA

Kontoyiannis P. Dimitrios

Frances King Black Endowed Professor, Infectious Diseases, Deputy Head, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Adj Professor Baylor College of Medicine, Adj Professor University of Houston, USA

Lanternier Fanny

Infectious Diseases Unit, Necker Enfants Malades Hospital, IHU Imagine, Université Paris Descartes, Paris, France

Million Laurence

Professor, Parasitology - Mycology, Besançon University Hospital - Besançon, France

Mylonakis Eleftherios

Dean's Professor of Medical Science (Medicine, and Molecular Microbiology and Immunology), Chief, Infectious Diseases Division, Alpert Medical School and Brown University, Rhode Island Hospital, USA

Pagano Livio

Professore Associato di EMATOLOGIA, Istituto di EMATOLOGIA, Dipartimento di SCIENZE MEDICHE, Policlinico Agostino Gemelli, Università Cattolica del Sacro Cuore, Italy

Petrikos George

Professor of Internal Medicine & Infectious Diseases, National & Kapodistrian University of Athens, Medical School, Athens, Greece

Petrou A. Michael

Medical Mycologist, Imperial Healthcare NHS Trust, Honorary Lecturer in Medical Mycology, Department of Infectious Diseases, Imperial College School of Medicine, UK

Richardson Malcolm

Professor of Medical Mycology, Mycology Reference Centre, University Hospital of South Manchester, and University of Manchester, UK

Roilides Emmanuel

Professor of Pediatrics - Infectious Diseases, Head, Infectious Diseases Unit and Research Laboratory, 3rd Dept. of Pediatrics, Aristotle University, Hippokraton Hospital, Thessaloniki, Greece

Samonis George

Medical Oncologist - Infectious Diseases Specialist, Professor of Medicine, The University of Crete, Greece

Sipsas V. Nikolaos

Associate Professor, Internal Medicine - Infectious Diseases, Pathophysiology Department, Medical School, National and Kapodistrian University of Athens, Laikon General Hospital of Athens, Greece

Skiada Anna

A Propedeutic Department of Medicine, Laiko Hospital, National & Kapodistrian University of Athens, Medical School, Athens, Greece

Slavin Monica

Head, Department of Infectious Diseases, Peter MacCallum Cancer Centre and University of Melbourne, Australia

Tsiodras Sotirios

Associate Professor of Internal Medicine and Infectious Diseases, University of Athens Medical School, Athens, Greece

Vrioni Georgia

Assistant Professor of Microbiology, Medical School, University of Athens, Greece

Walsh J. Thomas

Director, Transplantation - Oncology Infectious Diseases Program, Chief, Infectious Diseases Translational Research Laboratory, Professor of Medicine, Pediatrics, and Microbiology & Immunology, Weill Cornell Medical Center, Henry Schueler Foundation Scholar, Sharp Family Foundation Scholar in Pediatric Infectious Diseases, New York, USA

Zaoutis Theoklis

Thomas Frederick McNair Scott Professor of Pediatrics, Professor of Epidemiology, Perelman School of Medicine, University of Pennsylvania, Chief, Division of Infectious Diseases, The Children's Hospital of Philadelphia, USA

Zimmerli Stefan

Department for Infectious Diseases, University Hospital, Inselspital, Switzerland

Acknowledgements

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Main Sponsor



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General Information

www.zygomycosis2014.eu

Date / Venue

19 - 21 September 2014
Golden Coast Hotel
Marathonos Beach, 19007 Attica, Greece

Official Language of the Forum

The official language is English.

Certificate of Attendance

All registered participants will obtain certificate of attendance with 14 CME Accreditation, at the end of the Forum.

Forum Secretariat:



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