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:
zygomyco.net
The ECMM/ISHAM Working Group on Zygomycosis
www.zygomyco.net

In collaboration with:
Hellenic Society of Medical Mycology (HSMM)

Under the auspices of:
ECMM
European Confederation of Medical Mycology
www.ecmm.eu

ISHAM
International Society for Human and Animal Mycology
www.isham.org

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
Secretary: Emmanuel Roilides
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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
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<td>08:00</td>
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| 08:30 - 13:00 | **WORKSHOP**  
Chair: G. Petrikkos, T. Walsh  
Practical approach to the diagnosis and treatment of mucormycosis. An educational course  
- 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                                                              |
| 16:00 - 17:30 | **MAIN COURSE**                                                             
Chair: S. Zimmerli, A. Chakrabarti  
Oral Presentations  
**Zebrafish lavra - a novel model system for mucormycosis**  
Kerstin Voelz\(^1,2,3\), Remi ML Gratacap\(^3\), Robert T. Wheeler\(^3\)  
\(^1\)Institute of Microbiology and Infection, School of Biosciences, University of Birmingham, Birmingham, UK  
\(^2\)National Institute for Health Research Surgical Reconstruction and Microbiology Research Centre, Queen Elizabeth Hospital Birmingham, Birmingham, UK  
\(^3\)Department 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 Lelièvre\(^1\), Dea Garcia-Hermoso\(^2,3\), Hendy Abdoul\(^4\), Mickael Hivelin\(^5\), Laurent Lantieri\(^5\), Olivier Lortholary\(^1,2,3\), Fanny Lanternier\(^4\) and the French Mycosis Study Group  
\(^1\)Hôpital Necker-Enfants malades, Department of Infectious Diseases, Assistance Publique Hôpitaux de Paris, Centre d’Infectiologie Necker-Pasteur, University Paris Descartes, Paris, France  
\(^2\)CNRS URA3012, Paris, France  
\(^3\)Institut Pasteur, Unité de Mycologie Moléculaire, Centre National de Référence Mycoses Invasives et Antifongiques, Paris, France  
\(^4\)Hôpital Necker-Enfants malades, Department of Biostatistics, Assistance Publique Hopitaux de Paris, University Paris Descartes, Paris, France  
\(^5\)Hôpital 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\(^1\), May Robin, Voelz Kerstin, Haltstead Fenella  
\(^1\)NIHR Surgical Reconstruction and Microbiology Research Centre, Queen Elizabeth Hospital Birmingham, UK  
\(^2\)Institute of Microbiology and Infection, School of Biosciences, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK |
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| 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**

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| 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**

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| 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 Alejandro
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 Microbiology, V P Chest Institute, University of Delhi, Delhi, India

Cuenca – Estrella Manuel
Director, Centro Nacional de Microbiologia. 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

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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. Universita Cattolica del Sacro Cuore. Italy

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Samosis George
Medical Oncologist – Infectious Diseases Specialist. Professor of Medicine. The University of Crete. Greece

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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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