ESCMI Conference

Invasive Fungal Infections

Rome, Italy
18 – 19 February 2010

Confirmed Faculty:
Murat Akova, Ankara, TR
Sevtap Arkan, Ankara, TR
Emilio Bouza, Madrid, ES
Stéphane Bretagne, Créteil, FR
James Burnie, Manchester, UK
Thierry Calandra, Lausanne, CH
Manuel Cuenca-Estrella, Majadahonda, ES
J. Peter Donnelly, Nijmegen, NL
Andreas H. Groll, Münster, DE
Claus Peter Heussel, Heidelberg, DE
Elizabeth M. Johnson, Bristol, UK
Winfried V. Kern, Freiburg, DE
Cornelia Lass-Flörl, Innsbruck, AT
Thierry Calandra, Lausanne, CH

Conference Objectives
Participants attending this conference will learn about the microbiological aspects, pathophysiology and clinical presentations of common and emerging invasive fungal infections. Up-to-date information on diagnosis and treatment for these infections will also be discussed in detail and future prospects will be highlighted.

Target Audience
Specialists or physicians in training in the following disciplines: infectious diseases, clinical microbiology, mycology, other disciplines dealing with immunocompromised patients (e.g. hematology, oncology, chest medicine).

Conference Venue
Auditorium, Policlinico Universitario A. Gemelli
Università Cattolica Sacro Cuore
Largo Francesco Vito, 1
Rome, IT.

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Trends of fungal epidemiology in Europe

9.00 Global trends in Candida species distribution. Elisabeth M. Johnson
9.20 Global trends in Aspergillus species and other rare moulds. Paul Verweij
9.40 Zygomycosis survey in Europe. George Petrikos
10.00 Imported mycosis. Marcio Nucci
10.20 Discussion
10.40 Coffee break

Current limitations in diagnosing invasive fungal infections: laboratory and imaging options

11.00 The classical diagnostic assays for fungal infections. Sevtap Arikan
11.20 Update on molecular diagnostic tests for yeast and mould infections. Stéphane Bretagne
11.40 Imaging for pulmonary and extra-pulmonary fungal infections. J. Peter Donnelly
12.00 What is the role for in vitro susceptibility testing for the daily routine? Emmanuel Roilides
12.20 Discussion
12.40 Lunch

New insights into antifungal resistance

13.40 The issue of candidine antifungal drug resistance in fungi. Maurizio Sanguinetti
14.00 Molecular basis of azole resistance in Candida and Aspergillus species. Emilio Bozza
14.20 Is there a need for drug monitoring of antifungals? Thierry Calandra
14.40 The role of heat-shock proteins in fungal infection. James Burnie
15.00 Discussion
15.20 Coffee break

Immunopathogenesis and adjunctive therapies

15.40 Defining an invasive fungal infection for different settings: research vs practice. J. Peter Donnelly
16.00 Targeted immune suppressive therapies and emerging fungal infections. Winfried K. Kern
16.20 Air and the risk of invasive pulmonary aspergillosis. Johan Maertens
16.40 Solid organ transplantation. Claudia Viscoli
17.00 Host immune response to fungal infections. Emmanuel Roilides
17.20 Discussion

Risk assessment and therapeutic choices

9.00 Risk assessment for the invasive fungal infections in the ICU. Murat Akova
9.20 Treatment of Candida sepsis in the ICU. Thierry Calandra
9.40 Cryptococcosis: an example for fungal immune reconstitution syndrome. Oliver Lortholary
10.00 Does treatment differ in children? Theoklis Zaoutis
10.20 Discussion
10.40 Coffee break

Strategies in treatment and prophylaxis of invasive fungal infections

11.00 Infection control and prevention of mould infections. Georg Maschmeyer
11.20 Prophylaxis vs treatment. Andrew Ullmann
11.40 Empirical therapy and pre-emptive approach. Johan Maertens
12.00 Combination antifungal therapy: everybody knows that it works, but where are the data? Claudia Viscoli
12.20 Discussion
12.45 End of conference