

Target Audience

Clinical Microbiology and Infectious Diseases specialist trainees

Faculty Members

Dr Ana Alastruey-Izquierdo, Madrid, Spain

Prof Maiken Arendrup, Copenhagen, Denmark

Dr Roger Brüggemann, Nijmegen, Netherlands

Prof Lucie Byrne-Davies, Manchester, UK

Dr Sharon Chen, Westmead, Australia

Prof Anuradha Chowdhary, New Delhi, India

Prof Oliver Cornely, Cologne, Germany

Dr Andreas Groll, Münster, Germany

Dr Jean-Pierre Gangneux, France

Dr Martin Hoenigl, Graz, Austria

Dr Malgorzata Mikulska, Genova, Italy

Dr Jürgen Prattes, Graz, Austria

Prof Gordon Ramage, Glasgow, UK

Dr Riina Richardson, Manchester, UK

Prof Emmanuel Roilides, Thessaloniki, Greece

Prof Esther Segal, Tel Aviv, Israel

Contact

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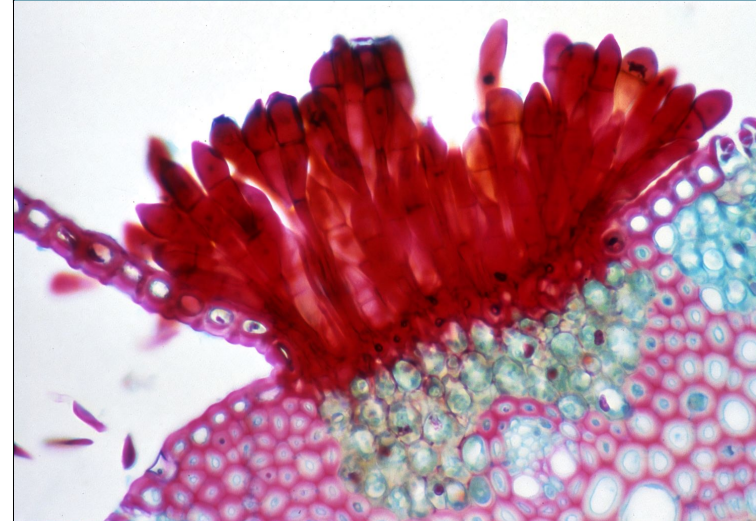
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ESCMID Postgraduate Education Course

Crash course on invasive fungal infections

Online Education Course
21 October, 4 November,
18 November 2021



ESCMID Postgraduate Education Course

Crash course on invasive fungal infections

Organiser

ESCMID Fungal Infection Study Group (EFISG)

Course Coordinator

Dr Riina Richardson, Manchester, UK

Organization

Registration Procedure

Register on the ESCMID website by 19 October 2021 at www.escmid.org/education

Registration fee

EUR 50 for ESCMID members
EUR 120 for all others

Online Access

Links for online access will be provided to registrants prior to the commencement of the course.

Course Programme

Course times are displayed in Central European Time (CET)

Thursday 21 October 2021

Could this be a fungal infection?

16:00 – 16:05 **Welcome**
Riina Richardson, Emmanuel Roilides

16:05 – 16:25 **Spectrum of fungal diseases and patient risk factors**
Sharon Chen

16:25 – 16:45 **Epidemiology of fungal infections**
Anuradha Chowdhary

16:45 – 17:05 **Fungal infections in neonates and children**
Andreas Groll

17:05 – 17:20 **Coffee break and break out rooms**

17:20 – 17:40 **Diagnostic work up for yeast infections**
Jürgen Prattes

17:40 – 18:00 **Diagnostic work up for mould infections**
Martin Hoenigl

18:00 – 18:15 **Q&A panel**
Emmanuel Roilides

Thursday, 4 November 2021

What is the right antifungal?

16:00 – 16:05 **Welcome**
Ana Alastruey-Izquierdo, Roger Brüggemann

16:05 – 16:25 **Antifungals and their mechanisms of action**
Roger Brüggemann

16:25 – 16:45 **Antifungal susceptibility testing and antifungal resistance**
Maiken Arendrup

16:45 – 17:05 **The role of biofilms in treatment-resistant fungal infections**
Gordon Ramage

17:05 – 17:15 **Coffee break and break out rooms**

17:15 – 17:35 **Antifungals in development**
Oliver Cornely

17:35 – 17:55 **Management of fungal infections in low and middle income countries**
Jean-Pierre Gangneux

17:55 – 18:15 **Q&A panel**
Ana Alastruey-Izquierdo

Thursday, 18 November 2021

How can I stop unnecessary use of antifungals safely?

16:00 – 16:05 **Welcome**
Ana Alastruey-Izquierdo, Martin Hoenigl

16:05 – 16:25 **The psychology of antimicrobial prescribing**
Lucie Byrne-Davies

16:25 – 16:45 **Antifungal stewardship in the ICU**
Riina Richardson

16:45 – 17:05 **Antifungal stewardship in haematology**
Malgorzata Mikulska

17:05 – 17:25 **Environmental sources of fungal infections**
Esther Segal

17:25 – 17:45 **Q&A panel**
Martin Hoenigl

Course Objectives

This course is mainly aimed at Medical Microbiology and Infectious Diseases Specialist Trainees and Infection Pharmacist Trainees but it is also suitable as a refresher course for all infection specialists. The key learning objectives are listed below. All sessions will have interactive cases (questions with online voting)

Break out rooms for coffee breaks will be used to mimic socialising during conference coffee breaks (optional, free chat, not moderated) to give the trainees a chance to “meet up” and talk to each other about the topic or life in general. Attendees will be asked to bring any interesting questions/topics up in the Q&A session.

This course will be organised jointly with the European Confederation of Medical Mycology, the other international organisation for fungal diseases. With this collaboration we will be able to reach a significant number of Trainees and their supervisors across the world.

The key learning objectives are:

Could this be a fungal infection?

- To understand the spectrum of fungal diseases including invasive, superficial, allergic, and acute & chronic fungal diseases
- To know the spectrum of fungal pathogens (yeasts, moulds, dermatophytes, dimorphic fungi)
- To be aware of the key immune defence mechanisms against fungal pathogens and to know which patient groups are at risk for invasive fungal infections (haematology, ICU, immunosuppressants)
- To be aware of the global and local epidemiology of yeasts and moulds incl. antifungal resistance and the drivers for change
- To understand the special aspects of fungal infections in neonates and children
- To know and to be able to apply their knowledge on how to diagnose fungal infection including differentiating colonisation from infection, how to use culture, biomarkers, molecular tests and imaging

What is the right antifungal?

- To know what antifungals are currently in clinical use, what their mechanisms of action and clinically relevant PK/PD are, and to apply this in clinical scenarios
- To know how to detect resistance using culture based and molecular methods and the key current trends of antifungal resistance epidemiology
- To be aware of new antifungals in development

How can I stop unnecessary use of antifungals safely?

- To be aware of the psychological and emotional drivers for antimicrobial prescribing and decision making, and how these can be employed in antimicrobial stewardship
- To be aware of the key challenges and solutions for antifungal stewardship in adult and paediatric ICUs and to be able to apply this knowledge
- To be aware of the key challenges and solutions for antifungal stewardship in haematology and to be able to apply this knowledge
- To know the most common environmental sources of invasive fungal infections and how controlling these can be used in infection prevention and antifungal stewardship