

Course Programme

Tuesday, 28 March 2017

- 12:00 Welcome and registration.
13:45 Introduction. *Brigitte Lamy, Patrick Baqué*

The diagnosis of BSI: the classical approach I

- Chair: *Maiken Cavling Arendrup*
14:00 Blood culture: from theoretical aspects to best practice guidelines. *Brigitte Lamy*
14:40 Candidaemia and invasive candidiasis: BC and beyond. *Maiken Cavling Arendrup*
15:20 Contaminants in BC: importance, implications, interpretation and prevention. *Sylvie Dargère*
15:50 Coffee break

Strategies to improve the quality of BC-based diagnosis

- Chair: *Yehuda Carmeli*
16:15 Shorten delays to get results: a hospital-level organizational approach. The experience of Montpellier's hospital. *David Morquin*
16:55 Blood culture pre-analytic quality management in the era of norm 15189 accreditation. *Brigitte Lamy*
17:20 Strategies to improve quality of management based on BC order. *Emilio Bouza*
17:55 Difference in habits of culturing and their impact on BSI detection. *Yehuda Carmeli*
18:30 End of day – social activity
20:30 Dinner

Wednesday, 29 March 2017

Advanced technologies: how to perform better and faster I

- Chair: *Brigitte Lamy*
09:00 Phenotypic methods from positive BC bottles: where we are and where we are going – a critical analysis of the current and next generation rapid methods. *Gregory Dubourg, Raymond Ruimy*
10:00 Genotypic methods from positive BC bottles: a critical analysis of the current and next generation rapid methods. *John W. A. Rossen*
11:00 Coffee break

Advanced technologies: how to perform better and faster II

- Chair: *John W. A. Rossen*
11:30 Detect BSI quickly and identify pathogens with culture-free methods: pipe dream, reality or future? *Elena Jordana-Lucht*
12:00 Rapid methods: what is the impact on patient management? *Martin Sundqvist*
12:30 Lunch

Advanced technologies: what to expect for BSI diagnostic within 5 years

- Chair: *Frederic Laurent*
14:00 How to implement? An ID perspective vs a microbiologist perspective. *John W. A. Rossen, ID specialist to be confirmed*
15:00 New and costly... not for any patient! The medico-economic perspective I: stratify the likelihood of bacteraemia to improve the cost/benefit of advanced technologies? Strengths and weaknesses of models for predicting bacteraemia. *Leonard Leibovici*
15:30 New and costly... not for any patient! The medico-economic perspective II: how to finance? A health economist perspective. *Inaki Gutierrez-Ibarluzea, Grégoire Mercier*
16:30 Coffee break
17:00 *Staphylococcus capitis* in neonatal sepsis in NICUs: from the local epidemiology to a worldwide endemicity... from ward to pathophysiology. *Frederic Laurent*
18:00 End of day – social activity
20:30 Dinner

Thursday, 30 March 2017

What to expect from NGS for bloodstream infections I

- Chair: *Francois Vandenesch*
08:45 Is NGS for BSI diagnosis and resistance detection realistic? Myths and real-life applications in a next future. *To be confirmed*
09:30 NGS for understanding global epidemics. *Hajo Grundmann*
10:15 Coffee break

What to expect from NGS for bloodstream infections II

- Chair: *Hajo Grundmann*
10:45 NGS for understanding local epidemics. *Estee Torok*
11:15 NGS for understanding microbial virulence in BSI and infective endocarditis, *Staphylococcus aureus* as a test case. *Francois Vandenesch*
12:00 Lunch

Central line-associated BSI I: new concepts, new approaches, and news from biofilms (and more)

- Chair: *Jean-Marc Ghigo*
13:30 New aspects of biofilm pathogenesis – implications for device-associated BSI management. *Jean-Marc Ghigo*
14:15 CLABSI pathogen detection methods and consequences for management. *Andreas F. Widmer*
15:00 Where is differential time to positivity most relevant for catheter-related infection – if at all? *Achim Kaasch*
15:25 Focus: will biofilm concepts change the diagnostic approach of CLABSI pathogen detection? *Thomas Bjarnsholt*
15:50 Coffee break

Central line-associated BSI and news from biofilms II: impact of new concepts on treatment management

- Chair: *Thomas Bjarnsholt*
16:15 From biofilm models to treatments: the anti-infective lock techniques. *David Lebeaux*
17:00 What is the place for biofilm antimicrobial susceptibility testing for choosing anti-infective lock therapy and antimicrobial therapy? *Thomas Bjarnsholt*
17:45 End of day

Friday, 31 March 2017

BSI in special patient groups – bridging lab and clinical expertise I

- Chair: *Malgorzata Mikulska*
08:30 Strategy to improve BSI diagnosis in haematology cancer patients: which methods and what timing for what performances? *Malgorzata Mikulska*
09:00 News on BSI in transplant patients. *Jordi Carratala*
09:30 Coffee break

BSI in special patient groups – bridging lab and clinical expertise II

- Chair: *Francesco Giuseppe De Rosa*
09:55 Positive follow-up on blood cultures: Why? When? For which patient? Consequence on patient management. *Francesco Giuseppe De Rosa*
10:20 Pathogen viability versus DNA detection in excised heart valves – consequences for therapy duration/de-escalation. *Pierre Tattevin*
10:50 Is there a consensus about pathogen detection targets and methods in culture-negative endocarditis? *Pierre-Edouard Fournier*
11:15 Early dynamics of microbial load, persistent bacteraemia and prognosis in patients with endocarditis. *Achim Kaasch*
11:45 Course evaluation
11:55 Questions, feedback, certificates
12:10 Closing lunch
13:00 End of meeting and departure



ESCMID Postgraduate Education Course

Improving the Diagnosis of Bloodstream Infections – Advancing Technology and Quality for Better Care

Nice, France
28 – 31 March 2017



Improving the Diagnosis of Bloodstream Infections – Advancing Technology and Quality for Better Care

Organizer

- ESCMID Study Group for Bloodstream Infections and Sepsis (ESGBIS)

Co-Organizers

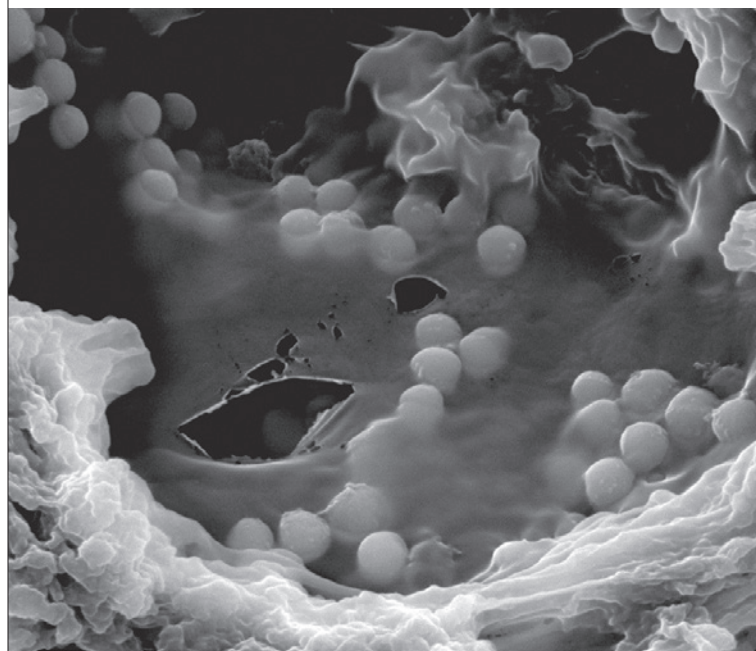
- ESCMID Fungal Infection Study Group (EFISG)
- ESCMID Study Group for Biofilms (ESGB)
- ESCMID Study Group for Epidemiological Markers (ESGEM)
- ESCMID Study Group for Molecular Diagnostics (ESGMD)
- ESCMID Study Group for Staphylococci and Staphylococcal Diseases (ESGS)
- University of Nice-Sofia Antipolis/
Université Côte d'Azur

Course Coordinators

- Yehuda Carmeli, Tel Aviv, Israel
- Brigitte Lamy, Nice, France
- Frederic Laurent, Lyon, France

Course Objectives

The aim is to improve the participant's knowledge of diagnosis/treatment, and to improve practices in order to be better prepared for the future. Course topics will range from current best practices for diagnosis to advanced technologies for improving management in a context of multi-drug resistant pathogens becoming more and more widespread or in light of new concepts and new approaches (e.g. biofilm or anti-infective lock therapy in catheter-associated BSI). The course will focus on strategies to shorten time-to-result and to improve BSI detection (e.g. novel molecular tools), BSI diagnosis and management-based advanced technologies and how these advanced methodologies will be implemented in the next 5 years. The course will also cover a cost effectiveness approach of novel tool implementation. The lectures will be delivered by a range of European experts, and several lectures will include a joint perspective of microbiologists/infectious disease specialists designed to improve patient management.



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Target Audience

20 – 60 microbiologists and infectious disease specialists who want to get updated knowledge of the theoretical and practical aspects of current and advanced diagnosis and management of bloodstream infection (BSI).

Invited Faculty Members

Maiken Cavling Arendrup, Copenhagen, Denmark
Patrick Baqué, Nice, France
Thomas Bjarnsholt, Copenhagen, Denmark
Emilio Bouza, Madrid, Spain
Yehuda Carmeli, Tel Aviv, Israel
Jordi Carratala, Barcelona, Spain
Sylvie Dargère, Caen, France
Francesco Giuseppe De Rosa, Torino, Italy
Gregory Dubourg, Marseille, France
Pierre-Edouard Fournier, Marseille, France
Jean-Marc Ghigo, Paris, France
Hajo Grundmann, Freiburg, Germany
Inaki Gutierrez-Ibarluzea, San Sebastian, Spain
Elena Jordana-Lucht, Nottingham, United Kingdom
Achim Kaasch, Cologne, Germany
Brigitte Lamy, Montpellier, France
Frederic Laurent, Lyon, France
David Lebeaux, Paris, France
Leonard Leibovici, Petah-Tiqva, Israel
Grégoire Mercier, Montpellier, France
Malgorzata Mikulska, Genoa, Italy
David Morquin, Montpellier, France
John W. A. Rossen, Groningen, Netherlands
Raymond Ruimy, Nice, France
Martin Sundqvist, Örebro, Sweden
Pierre Tattevin, Rennes, France
Estee Torok, Cambridge, United Kingdom
Francois Vandenesch, Bron, France
Andreas F. Widmer, Basel, Switzerland

Organization

Course Venue

Hôpital L'Archet 2
151, Route de Saint Antoine de Ginestière
06200 Nice, France

Accommodation

New York Hotel
44, Avenue Marechal Foch
06000 Nice, France
Phone +33 (0)493 85 14 31

Registration Procedure

Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 28 February 2017.

Registration Fee

- EUR 750 for ESCMID members (Full Membership/Young Scientist Membership)
- EUR 950 for non-ESCMID members

The registration fee includes 3 nights of accommodation, lunches, coffee breaks, teaching materials and social activities (includes one dinner). Travel is not included.

Attendance Grants

ESCMID provides a number of attendance grants for ESCMID "young scientist members". The grant covers the registration fee. Travel is not included. Please apply via the ESCMID website at www.escmid.org/education before 27 January 2017. Applicants will be informed about their acceptance by 10 February 2017.

CME Accreditation

The organizers of the course will apply for European CME accreditation through EACCME.

Contact

Contact Person (Scientific Programme)

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Scientific picture: Scanning electron microscopy of *S. aureus* biofilm from a catheter

Membre de UNIVERSITÉ CÔTE D'AZUR

