ESCMID Postgraduate Education Course

Update on Endocarditis and Endovascular Infections

Münster, Germany
20 – 23 March 2018

Target Audience
30 – 50 graduate and postgraduate students, infectious diseases specialists, clinical microbiologists, intensive care doctors and other specialties interested in all aspects of intravascular infections.

Faculty Members
Karsten Becker, Münster, Germany
Chantal Bleeker-Rovers, Nijmegen, Netherlands
Vincent Delpech, Münster, Germany
Effthymia Giannitsioti, Athens, Greece
Margret Hannan, Dublin, Ireland
Bruno Hoen, Guadeloupe, France
Evgeny Idelevich, Münster, Germany
Barbara Kahl, Münster, Germany
Tobias Kramer, Berlin, Germany
Brigitte Lamy, Nice, France
Giovanni Luzi, CIT, Italy
Vincent Le Moing, Nancy, France
Laurens Liesenborghs, Leuven, Belgium
Betina Löffler, Jena, Germany
Carlos Mestres, Abu Dhabi, United Arab Emirates
Jose Miro, Barcelona, Spain
Philippe Moreillon, Lausanne, Switzerland
Annette Moter, Berlin, Germany
Siegbert Rieg, Freiburg, Germany
Harald Seifert, Cologne, Germany
Bhanu Sinha, Groningen, Netherlands
Pierre Tattevin, Rennes, France
Martin Thorhill, Sheffield, United Kingdom
Franck Thung, Marseille, France
Lorena Tuchscherr, Jena, Germany
Francois Vandenesch, Lyon, France
Peter Verhamme, Leuven, Belgium

Course Objectives
To provide to postgraduate microbiologists and infectious disease physicians an updated overview of:

- the pathogenesis of intravascular infections including infective endocarditis (IE) and cardiovascular implantable electronic device (CIED) infections
- electronic device (CIED) infections caused especially by staphylococci and some other pathogens (e.g. Coxiella burnetii)
- epidemiology
- improvement of diagnostic clinical and microbiological procedures
- the best imaging techniques for IE and blood stream infections
- optimized antimicrobial therapy
- antibiotic prophylaxis for IE
- choosing the right animal model for research

There will be two sessions to present and discuss clinical cases with infectious disease experts.
Course Programme

Tuesday, 20 March 2018

12:00 Registration
13:00 Welcome.
Mathias Herrmann (Dean of the Medical Faculty, Münster, Germany), Georg Peters

13:30 Infective endocarditis – introduction
Chairs: Barbara Kahl, Pierre Tattevin

14:00 Endocarditis – progress and challenges.
Vance Fowler

14:45 S. aureus endocarditis: the bug or the host?
Francois Vandenesch

15:00 Coffee break

15:30 S. aureus endocarditis – epidemiology.
Achim Kaasch

16:15 Optimizing antimicrobial therapy.
Jose Miro

17:00 Surgery in the treatment of endocarditis.
Bruno Hoen

19:00 Dinner and get together

Wednesday, 21 March 2018

Diagnostics
Chairs: Bruno Hoen, Karsten Becker

09:00 Optimizing strategies for taking blood cultures.
Brigitte Lamy

09:45 Rapid microbiological diagnostics of blood-stream infections.
Evgeny Iblevich

10:30 Predicting infective endocarditis in S. aureus blood-stream infection: critical appraisal of existing scorces.
Vincent Le Moing

11:15 Coffee break

11:30 Imaging
Which is the best imaging technique for infective endocarditis used in patients?
Bhanu Sinha

12:15 PET scan in the diagnosis of S. aureus BSI: can it help diagnose IE earlier?
Xavier Duval

13:00 Molecular imaging after valve surgery for culture negative IE.
Annette Motaer

13:35 Lunch

Clinical cases
Chairs: Vance Fowler, Harold Seifert

14:45 Clinical cases

16:45 Coffee break

Pre-dinner talk
Chairs: Brigitte Lamy, Vincent Le Moing

17:15 Chronic O fever and cardiovascular manifestations.
Chantal Bleeker-Rovers

19:00 Dinner and get together

Thursday, 22 March 2017

IE pathogenesis
Chairs: Bettina Löffler, Philippe Moreillon

09:00 How S. aureus manipulates coagulation to initiate endocarditis.
Peter Verhamme

09:45 S. aureus adhesions important for endocarditis.
Lorena Tuchscherr

10:30 IE and biofilm.
Christel Keilmann

11:15 Coffee break

IE – is there a right animal model for endocarditis?
Chairs: Cornelius Faber, Jose Miro

11:30 Animal models for endocarditis.
Cornelius Faber

Laurens Liesenborgs

13:00 Lunch

Cardiovascular implantable electronic device infection
Chairs: Giovanni Luzzi, Siegbert Rieg

13:30 Epidemiology, definitions and clinical presentation.
Efthymia Giannitsioti

14:15 Types of devices and procedures: current scenarios.
Giovanni Luzzi

15:00 Coffee break

Clinical cases
Chairs: Vincent Le Moing, Margret Hannan

15:30 Clinical cases

19:00 Dinner and social evening

Friday, 23 March 2017

CIED and vascular graft infections
Chairs: Achim Kaasch, Franck Thuny

08:30 Types of devices and procedures: current scenarios.
Carlos Mestres

09:15 Imaging techniques.
Franck Thuny

10:00 Treatment of vascular device infections.
Pierre Tattevin

10:45 Coffee break

Prophylaxis: yes or no? And how?
Chairs: Tobias Kramer, Siegbert Rieg

11:15 Antibiotic prophylaxis – should we stay or should we go?
Martin Thornhill

12:00 Prophylaxis of IE beyond antibiotics.
Philippe Moreillon

12:45 End of meeting

Organization

Course Venue
University Hospital Münster
Albert-Schweitzer-Straße 33
48149 Münster, Germany

Accommodation
Hotel Conti
Berliner Platz 2
48143 Münster, Germany
Phone +49 251 846 92 80

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 23 February 2018.

Registration Fee
• EUR 850 for ESCMID members (Full Membership/Young Scientist Membership)
• EUR 950 for all others

The registration fee includes the course and teaching materials, 3 nights of accommodation (20 – 22 March), coffee breaks, lunches and social events. 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 1 December 2017. Applicants will be informed about their acceptance by 15 December 2017.

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