ESCMID Postgraduate Education Course

Antimicrobial susceptibility testing with EUCAST criteria and methods

Tallinn, Estonia
29 September – 2 October 2020

Contact

Contact Person (Scientific Programme)
Paul Naaber
Tartu University Institute of Biomedicine and Translational Medicine
Ravila 19, 50411 Tartu
Phone: +3725080295
E-Mail: paul.naaber@ut.ee

Administrative Secretariat
Anastasia Bilozor
East Tallinn Central Hospital
Pärnu mnt 104 Tallinn 11312
Phone: +37253441326
E-Mail: anastasia.bilozor@itk.ee

Target Audience
Clinical microbiologists (and trainees)

Faculty Members
Gunnar Kahlmeter, Växjö, Sweden
Christian Giske, Stockholm, Sweden
Enika Matuschek, Växjö, Sweden
John Turnidge, Adelaide, Australia
Rafael Canton, Madrid, Spain
Sören Gatermann, Bochum, Germany
Helle Jarv, Tallinn, Estonia
Maido Remm, Tartu, Estonia
Anastasia Bilozor, Tallinn, Estonia
Radu Botgros, London, United Kingdom
Liselotte Diaz Högberg, Copenhagen, Denmark
Kadri Klaos, Tallinn, Estonia
Shampa Das Smith, Manchester, United Kingdom
Marina Ivanova, Tallinn, Estonia
Paul Naaber, Tallinn, Estonia
Marika Jürna-Ellam, Tallinn, Estonia
Jenny Åhman, Växjö, Sweden
Emma Jonasson, Växjö, Sweden
Robin Howe, Cardiff, Wales
Tim Eckmanns, Berlin, Germany

Organizers
• European Committee on Antimicrobial Susceptibility Testing (EUCAST)
• ESCMID PK/PD of Anti-Infecives Study Group (EPASG)
• ESCMID Study Group for Antimicrobial Resistance Surveillance (ESGARS)
• Estonian Society for Laboratory Medicine, Microbiology Section

Course Coordinators
• Marina Ivanova, Tallinn, Estonia

Course Objectives
To explain criteria and methods for determining breakpoints to antimicrobial agents and the methods by which these are implemented and controlled in microbiological laboratories.
**Course Programme**

**Tuesday, 29 September 2020**

14.30 Arrival, welcome coffee and registration  
Marina Ivanova

Presentation of the course  
Christian Giske, Gunnar Kahlmeter

15.00 EMA – How are antimicrobials developed and registered in the EMA process  
Rudy Botgros

15.30 The EUCAST system  
Christian Giske

16.00 The EUCAST breakpoint tables – how to use them?  
Gunnar Kahlmeter

16.30 Pharmacokinetics and dynamics  
Shampa Das

17.00 Integrating available information – how clinical breakpoints are set  
John Turnidge

18.30 Welcome dinner at the venue

**Wednesday, 30 September 2020**

8.00 New definitions of S, I and R and the ATU  
Gunnar Kahlmeter

8.30 Antimicrobial phenotypic susceptibility testing  
Erika Matuschek

9.30 Quality control in the laboratory  
Jenny Åhman

10.15 Coffee break

10.45 Intrinsic resistance, exceptional phenotypes, expert rules and the process of interpretive reading of antibiograms  
Sören Gatermann

11.15 The role and use of Guidance documents, what to do when there are no breakpoints?  
Robin Howe

11.30 Rapid AST from positive blood cultures  
Emma Jonasson

12.15 Discussion

12.30 Lunch

13.30 Why AST for anaerobes?  
Robin Howe

14.00 Laboratory sessions:  
Marika Jürna-Ellam, Anastasia Pavelkovich, Jelena Rudzka, Kaspar Ratnik, Marina Ivanova

Manual and automated methods: disk diffusion, RAST, microdilution, gradient tests, genotypic methods, MALDI-ToF detection of resistance (20 participants per site maximum)

18.00 Sightseeing in the old town and dinner

**Thursday, 1 October 2020**

9.00 Novel phenotypic methods for AST [besides molecular methods] and detection of resistance.  
Oskar Ekelund

9.45 WGS for AST and AMR detection  
Maida Remm

10.30 Coffee break

11.00 AST of mycobacteria: news from the AMST subcommittee  
Kadri Klaus

11.30 Challenges in fungal AMR detection  
Hele Jarv

12.00 Lunch

13.00 Laboratory sessions:  
Marika Jürna-Ellam, Anastasia Pavelkovich, Jelena Rudzka, Kaspar Ratnik, Marina Ivanova

Manual and automated methods: disk diffusion, RAST, microdilution, gradient tests, genotypic methods, MALDI-ToF detection of resistance (20 participants per site maximum)

Friday, 2 October 2020

9.30 Susceptibility testing for AMR surveillance – problems and possibilities  
Liselotte Diaz Högborg

10.15 ESBL- and carbapenemase-producing Gram-negative bacilli: epidemiology in North-Eastern Europe  
Anastasia Bilozor

11.00 Application of AMR data in local treatment guidelines  
Tim Eckmanns

12.00 Closing remarks, farewell coffee and take away lunch

**Course Venue**

Lectures: SYNLAB Eesti OÜ  
Veerenni 53a, 11313 Tallinn  
www.synlab.ee

Lab sessions also at  
East-Tallinn Central Hospital Laboratory  
Paldiski mnt 104, 11312 Tallinn  
www.itk.ee  
and  
North Estonian Medical Centre  
Siiste tee 18, 13419 Tallinn  
www.regionsofhoigla.ee

**Registration Procedure**

Register on the ESCMID website at  
www.escmid.org/education by 31 August 2020

**Registration Fee**

EUR 600 for ESCMID members  
EUR 750 for all others

The fee includes educational materials, coffee breaks, lunch, drinks and dinner

**Attendance Grants**

ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee, but not travel or accommodation costs. Please apply via the ESCMID website at  
www.escmid.org/education before  
15 July 2020. Applicants will be informed about their acceptance by  
31 July 2020.

**Accommodation Options**

Whilst accommodation is not included in the registration fee, favourable rates are being offered by the Park Inn by Radisson Central Tallinn, Narva Mnt 7c, 10117 Tallinn. Book online at  
https://bit.ly/2oaGql or via the booking centre  
estonia.sales@radissonblu.com or +3726315315

**CME Accreditation**

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