Contact

Course Objectives

- Explain the process of EUCAST breakpoint definition, understand the rationale for EUCAST clinical breakpoints including the PK/PD approach, and explain implementation of EUCAST breakpoints.
- Perform antimicrobial susceptibility testing by dilution, diffusion and automatic techniques with a EUCAST perspective, and differences from the CLSI approach.
- Understand the application of EUCAST expert rules for antimicrobial susceptibility testing.
- Explain antimicrobial surveillance systems (public versus private) and benefits for establishment of antimicrobial guidelines and the design of antibiotic policies.
- Understand the importance of epidemiological cut-off values (ECOFFs) and clinical breakpoints in antimicrobial resistance surveillance systems.
- Understand how ECOFFs are determined.
- Discuss adequate strategies to implement EUCAST breakpoints and methodology in the single laboratory setting as well as in a national context.
- Explain the importance of harmonised methodology for antimicrobial resistance surveillance purposes from a European point of view.
- Discuss the application of clinical breakpoints at patient level.

Target Audience

Up to 26 clinical microbiologists with an interest in antimicrobial susceptibility testing and surveil-lance. Representatives from National Antimicrobial Committees (NACs) will have priority over other applicants for participation in this course (a letter supporting the application from the President or Secretariat of the corresponding NAC will be necessary to demonstrate this representation).

Contact Person

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Scientific pictures inside:

EUCAST disk diffusion test, picture courtesy of ESCMID Microdilution test, picture courtesy of Rafael Cantón, Madrid, ES













ESCMID Postgraduate Technical Workshop

3rd Workshop on Antimicrobial Susceptibility Testing and Surveillance

Linz, Austria 16–19 September 2014



ESCMID Postgraduate Technical Workshop

3rd Workshop on Antimicrobial Susceptibility Testing and Surveillance

Organisers

- ESCMID Study Group for Antimicrobial Resistance Surveillance (ESGARS)
- ESCMID PK/PD of Anti-Infectives Study Group (EPASG)
- European Committee on Antimicrobial Susceptibility Testing (EUCAST)
- analyse BioLab, Linz, Austria

Course Coordinators

- Petra Apfalter, Linz, Austria
- Rafael Cantón, Madrid, Spain

Faculty Members

Petra Apfalter, Linz, Austria Derek Brown, Peterborough, United Kingdom Rafael Cantón, Madrid, Spain Sören Gatermann, Bochum, Germany Christian Giske, Stockholm, Sweden Rainer Hartl, Linz, Austria Sandra Höller, Linz, Austria Gunnar Kahlmeter, Växjö, Sweden Heidrun Kerschner, Linz, Austria Luis Martínez-Martínez, Santander, Spain Erika Matuschek, Växjö, Sweden Johan W. Mouton, Nijmegen, The Netherlands Christiane Müllner, Linz, Austria Jesús Rodríguez-Baño, Seville, Spain Robert Skov, Copenhagen, Denmark Mark Struelens, Stockholm, Sweden

Course Programme

Tuesday, 16 September 2014 at Forte

15:00	Arrival, documentation and coffee
15:30	Welcome and presentation of the course.
	Petra Apfalter, Rafael Cantón, Christian Gisk
	& Johan W. Mouton
15:40	EUCAST in Europe and beyond.
	Gunnar Kahlmeter

16:10 Setting breakpoints for EUCAST.

Johan W. Mouton

16:50 Wild type MIC distributions and ECOFFs. Gunnar Kahlmeter

17:30 Breakpoints: why EUCAST and not CLSI?

Derek Brown

17:45 Local, national and international surveillance systems for antimicrobial resistance.

Christian Giske

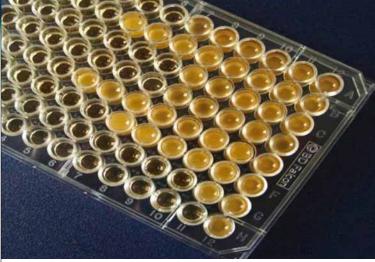
19:00 Reception dinner

Wednesday, 17 September 2014

at Forte & analyse BioLab

09:00	Quality assurance of susceptibility testing.
	Derek Brown
09:40	EUCAST expert rules. Rafael Cantón
10:20	Break
10:45	Antimicrobial susceptibility testing: dilution
	methods. Luis Martínez-Martínez
11:25	Antimicrobial susceptibility testing: diffusion
	methods. <i>Erika Matuschek</i>
12:05	Antimicrobial susceptibility testing: automa-
	tic systems. Rafael Cantón
12:45	Lunch (catering at Forte)
13:45	Laboratory sessions: microdilution, gradient
	tests and disk diffusion.





Thursday, 18 September 2014

at Forte & analyse BioLab

09:00	Phenotypic detection and characterisation of cephalosporin- and carbapenem-
	resistance in Gram-negative microorganisms.
	Rainer Hartl
09:40	Genotypic methods for detection of
	resistance. Sören Gatermann
10:20	Break
10:45	Staphylococcus aureus: susceptibility testing
	of anti-staphylococcal agents. Robert Skov
11:15	Clinical implications of "report as tested".
	Jesús Rodríguez-Baño
12:05	Are EUCAST breakpoints valid for all patients?
	To be decided
12:45	Lunch (catering at Forte)
13:45	Laboratory sessions: microdilution, e-test,
	disk diffusion and automatic systems.
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Friday, 19 September 2014

at Forte

08:30	Decision made to switch to EUCAST: how to reorganise your lab? <i>Erika Matuschek</i>
09:10	Decision made to switch to EUCAST: how to
	change your country? Petra Apfalter
09:50	Break
10:10	Attendees' oral presentations
12:45	How EUCAST guidance strengthens surveil-
	lance of AMR in the European Union: the ECDC
	public health perspective. Marc Struelens
13:30	Closing and farewell lunch at Forte

Organisation

Course Venue

Forte — Fortbildungszentrum Elisabethinen Linz Museumstrasse 31 4020 Linz Austria

analyse BioLab Eisenhandstrasse 4 – 6 4020 Linz Austria www.analyse.eu

www.forte.or.at

Registration Procedure

Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 4 July 2014.

Registration Fee

EUR 500 for ESCMID members EUR 800 for all others

The fee includes the laboratory materials and protocols, lunch at Forte and social events (reception dinner and farewell lunch), but not travel or accommodation costs.

Attendance Grants

ESCMID provides a number of attendance grants for ESCMID "young scientist members". The grant covers the registration fee. Travel and accommodation is not included. Please apply via the ESCMID website at www.escmid.org/education before 27 June 2014. Applicants will be informed about their acceptance by 11 July 2014.

CME Accreditation

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