



Target Audience

Medical doctors and pharmacists, nurses or other healthcare professionals with an MSc or PhD are eligible, provided they completed the basic module or have experience in IPC.

Confirmed Faculty Members

Pamela Barbadoro, Ancona, Italy
Bernd Blasius, Oldenburg, Germany
Gerolf de Boer, Groningen, Netherlands
Michael Borg, Malta
Marcello D'Errico, Ancona, Italy
Tjibbe Donker, Freiburg, Germany
Alexander W. Friedrich, Groningen, Netherlands
Alastair Jamieson-Lane, Oldenburg, Germany

Contact

For the Scientific Programme

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European Society of Clinical Microbiology and Infectious Diseases

EUCIC Local Module

Infection and Resistance Prevention in the Regional Healthcare network

Webinar 8 October 2020



Infection and Resistance Prevention in the Regional Healthcare network

Organizers

European Committee on Infection Control (EUCIC) of the European Society of Clinical Microbiology and Infectious Diseases

Module Coordinator

Alex W. Friedrich, Groningen, Netherlands
Gerolf de Boer, Groningen, Netherlands

Module objectives

Infection and resistance prevention in a regional health-care network from AMR to the spread of SARS – CoV2. Controlling outbreaks and preventing the spread of resistant microorganisms in single hospitals is not efficient. Patients are continuously transferred between healthcare institutions, with them they carry MDRO and every time they are admitted again to another hospital, transmission to other patients can occur. This means, that single hospitals and LTCF are part of a more organic regional healthcare network that has to organize the prevention of infections and especially the prevention of resistance. Therefore, reduction of the transmission, but also reduction of the selective pressure play an important role. However, collaboration in regional networks has to be established. How to identify the own real-life healthcare network, how to implement a regional network focusing on infection- and resistance prevention including all major healthcare facilities is the focus of this advanced technical workshop. Theory and practical's include: the analysis of the own regional healthcare network using modelling software, expert topics on infection- and resistance prevention, use of modern technology for regional outbreak control, the building process of a "regional network" with real stakeholders.

Module Programme

Thursday, 8 October 2020

Infection prevention in the regional healthcare network

Moderator: Alex Friedrich

- 09:15 – 09:30 Welcome and introduction
Alex Friedrich
- 09:30 – 09:50 Regional infection control
Alex Friedrich
- 09:50 – 10:10 Regional diversity in antimicrobial resistance among European countries
Michael Borg
- 10:10 – 10:30 Coffee break
- 10:30 – 10:50 The stakeholders in an outbreak: the real life in the COVID-19 situation
Marcello D'Errico, Pamela Barbadoro
- 10:50 – 11:10 Bioinvasion and epidemic spread in complex networks
Bernd Blasius
- 11:10 – 11:30 Network analysis of regional outbreaks
Tjibbe Donker
- 11:30 – 11:50 Predicting Pathogen arrival time using Transport data in a network
Alastair Jamieson-Lane
- 12:00 – 13:00 Lunch

Practical analysing regional healthcare networks

Moderator: Gerolf de Boer, Groningen, Netherlands

- 13:00 – 13:30 Introduction of software packages to analyse your own regional healthcare network
Gerolf de Boer
- 13:30 – 16:30 Practical assignment with your own data to analyse and visualise your own regional healthcare network and early warning system elements like reproduction rates, doubling times and maps.
- 16:30 – 17:00 Assessment [mandatory][digital]
- 17:00 – 17:15 Conclusive remarks
Alex Friedrich

Organization

Module Venue

Webinar

Registration Procedure

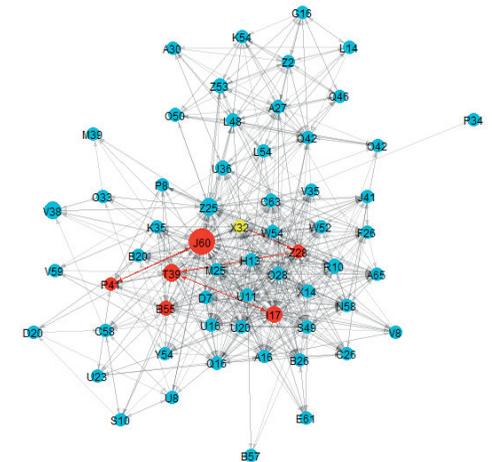
Register now online on the ESCMID website at:
https://www.escmid.org/research_projects/eucic/training_programme/

The registration deadline is 8 September 2020

Registration Fee

EUCIC trainee: Automatic registration
ESCMID member: 100 €
No ESCMID member: 125 €

The fee includes the scientific sessions, coffee and lunch breaks as well as the dinner and teaching materials. Accommodation and travel are not included.



Visualization of an outbreak in a hospital network in which the nodes represent wards and the lines represent patient transfer between the wards. The more central a node is positioned, the more involved that ward is in patient routes through the hospital.