

EUCIC local module

Management of “pandemic” MDROs: is it still simple and feasible?

Catania, Italy
10 – 12 May 2023

Aula Magna Torre Biologica
Via Santa Sofia 97
95039 Catania



EUCIC local module

Management of “pandemic” MDROs: is it still simple and feasible?

Organizers

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

Module coordinators

- Antonella Agodi, (Catania, IT)
- Maria Grazia Cattaneo, (Bergamo, IT)
- Maria Mongardi, (Verona, IT)
- Alessandra Mularoni, (Palermo, IT)
- Angelo Pan, (Cremona, IT)
- Cesira Pasquarella, (Parma, IT)
- Annibale Raglio, (Bergamo, IT)
- Stefania Stefani, (Catania, IT)
- Marco Tinelli, (Milano, IT)

Infection, Prevention and Control, diagnostic and treatment

Module objectives

Antimicrobial resistance is a key issue affecting public health and constitute the origin of major outbreaks in healthcare settings, worldwide. Transmission and persistence of multidrug-resistant organisms (MDROs) are determined by several conditions, including the presence of vulnerable patients, the selective pressure exerted by antimicrobial use, and the impact of adherence to prevention strategies (e.g. hand hygiene, active surveillance, education and training programs).

It is well-known the importance of the appropriate use of antibiotics in the clinical practice; however, making the correct antibiotic prescription is challenging, and diagnostic microbiology laboratories are essential for prompt recognition of resistant isolates. Determination of susceptibility or resistance using phenotypic tests is a ‘gold standard’ against which newer technologies are compared in terms of performance, cost and ease of use. Molecular methods for detecting resistance are used widely and would impact more directly on patient care being a valuable infection tools by rapidly confirming colonization or infections by resistant organisms.

Similarly, the engagement in the fight against HAI have a clear understanding of the distance between theoretical knowledge and clinical and care practice and of a clear way to make it simple, applicable, feasible and repeatable. An example: we know everything about the importance of hand hygiene, but when we look at its application, we are happy if it is carried out at least in the half of the occasions in which it should be done. Indeed, the management of healthcare associated infections (HAI) requires the development and implementation of appropriate infection prevention and control (IPC) policies and practices. Strengthening effective IPC strategies, summarized in eight core components by the WHO, should be crucial for ensuring readiness to respond to outbreaks and improving quality of care in all healthcare settings. In this context, implementing a multi-disciplinary process to monitor and improve adherence to recommended practices is needed to meet global and local threats from infectious diseases.

So, we asked ourselves if it was not the case to promote initiatives to give knowledge, to promote behaviour change, to organize the surveillance, prevention and control interventions of HAI.

The course that we propose, to be really meaningful for the operators who will take part in it, will not be purely theoretical but interactive.

The course would like to spread the culture and the knowledge about Healthcare Associated Infections prevention and control and of MDRO detection and therapies by education and motivation to obtain a behavior change with a comprehensive vision of prevention, surveillance, control of infections and therapies.

The participants will learn about the international and Italian epidemiology of MDROs and about the laws and guide-lines to control MDROs spread comparing different international experiences. The participants will be able to implement infection control procedures from hand hygiene to surveillance of MDROs and HAI and to apply stewardship programs.

Module programme

Wednesday, 10 May 2023

Updated Methodology to tackle MDROs

Key words: Infections, Bacteria, Laws and Rules

Location: **Aula Magna Torre Biologica**

Chair: Pierangelo Clerici, Stefania Stefani.

08:00 -08:30 Registration and coffee

08:30 -08:45 Welcome from Francesco Priolo (Rector University of Catania)

08:45 - 09:00 Presentation of the Course
Antonella Agodi, Stefania Stefani

09.00 - 09.30 Healthcare Associated Infections: An Overview
Silvio Brusaferrò

09.30 - 10.00 Gram Negative Multi-resistant bacteria: evolution and diffusion of resistances in Europe and in Italy
Gian Maria Rossolini

10.00 – 10.30 Something more besides MRSA?
Stefania Stefani

10.30 – 11.00 What are the priorities? Group work

11.00 – 11.30 Coffee Break

11.30 - 12.00 Dynamics of MDROs: management from hospital to household setting
Marco Tinelli

12.00 – 12.30 Multimodal improvement strategies in infection control
Luca Arnoldo

12.30 – 13.00 Quality and safety management of HCAI
Maria Grazia Cattaneo

13.00 – 13.30 What we should apply?
Group work

13.30 – 14.15 Lunch break

14.15 – 14.45 The contribution of the clinical microbiology lab
Giulia De Angelis

14.45 – 15.15 MDR and in vitro testing: pitfalls, limit and necessity
Rafael Canton

15.15-15:45 The bug's point of view: Traditional and innovative diagnostic techniques
Maurizio Sanguinetti

15:45 – 16.15 Surveillance by Microbiology (alert, outbreaks, cumulative reports)
Mario Sarti, Annibale Raglio

16.15 – 16:30 Coffee Break

16:30 – 17.30 Round Table: Surveillance and prevention techniques for MRSA, CRE and CRAB: comparing experiences (Annibale Raglio)
Active surveillance and prevention of donor derived infections: The ISMETT experience (Alessandra Mularoni)
“threshold” approach: an Italian experience (Cristina Mussini)

Module programme

Thursday, 11 May 2023

The development of a control and prevention system through: Research, Surveillance and Precautions

*How can we promote the behavior change, how can we develop and implement the surveillance, the prevention and control interventions of HAI and of MDR bacteria?
Can we make it simple, applicable and repeatable?*

Location: **Aula Magna Torre Biologica**

Chair: Antonio Ferro, Maria Luisa Moro

- 09.00 – 09.30 Recovery plan of Europe: state of the art
Domenico Mantoan
- 09.30 – 10.00 Designing a surveillance system in health care facilities: the laboratory-based perspective
Monica Monaco
- 10.00 – 10.30 Designing a surveillance system in health care facilities: the patient-based perspective
Antonella Agodi
- 10.30 -11.00 Analysis of data and methods of description and Infection prevalence surveys
Carla Maria Zotti
- 11.00 – 11.30 Coffee Break
- 11.30 – 12.00 Surveillance and outbreak management: definitions and methodology
Pamela Barbadoro
- 12.00 – 13.00 What is simple and repeatable? Group work
- 13.00 – 14.00 Lunch break
- 14.00 - 14.30 Hand hygiene according to the WHO project: theory and hospital practice
Maria Campanella,
- 14.30 – 15.00 Standard and contact precautions
Rosaria Palermo
- 15.00 – 15.45 Enviromental Hygiene
Cesira Pasquarella , Gaetano Privitera
- 15.45 – 16.15 What is simple and repeatable? Group work
- 16.15 – 16.30 Coffee Break
- 16.30 - 17.30 Round Table: Effectiveness of prevention strategies
Paolo D’Ancona, Michela Sabbatucci, Roberta Siliquini

Module programme

Friday, 12 May 2023

The correct use of Antibiotics and Bundles for the prevention of HAI

Do we know the best way to improve antimicrobial stewardship? What education and training can be useful?

Location: **Aula Magna Torre Biologica**

Chair: Claudio Mastroianni, Maria Mongardi

09.00 - 09.30 The Anti-Microbial Stewardship project SAVE,
Cristina Mussini

09.30 - 10.00 The new antibiotics: place in therapy
Marco Falcone

10.00 – 10.30 The appropriateness of antimicrobial therapy in clinical practice
Mario Venditti

10.30 – 11.00 The antimicrobial stewardship as a step vs precision medicine
Pier Luigi Viale

11.00 – 11.30 Coffee Break

11.30 - 12.00 Management of the indwelling catheter
Maria Campanella

12.00 – 13.00 Predictors of mortality in BSI/sepsis
Angelo Pan

13.00 – 14.00 Lunch break

14.00 – 14.30 Prevention of surgical site infection
Maria Luisa Moro , Massimo Sartelli

14.30 – 15.00 Prevention of Pneumonia
Andrea Marino

15.00 – 16.00 Exam

16.00 – 17.00 From theory to practice. How much the contents and the proposals of the course are applicable in the local realities?
Group work

Organization

Module Venue

Aula Magna Torre Biologica
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95039 Catania

Registration procedure

Register now online on the ESCMID website at:

<https://www.surveymonkey.com/r/39CLWHJ>

The registration deadline is 15 april 2023

Registration Fee

EUCIC trainee: Automatic registration

ESCMID or AMCLI, ANIPIO, SIFO, SIMPIOS, SItI, SIM and SIMIT member : 400 Euro plus Tax

No ESCMID or, AMCLI, ANIPIO, SIFO, SIMPIOS, SItI, SIM and SIMIT member: 450 Euro plus tax

Nurses and healthcare professionals student: 300 Euro plus Tax

The fee includes course registration, course materials, coffee-breaks and lunch. Dinner, travel and accommodation are not included.

The course will be provided for 60 participants

CME Accreditation

The organizers of the module have applied for European CME accreditation through EACCME.

This module is worth <XX> ECTS points.

Target Audience:

Medical doctors and pharmacists, nurses or other healthcare professionals who are interested in infection prevention and control

Confirmed faculty members

<first name, last name, city, country>

Antonella Agodi, Catania, Italy

Luca Arnoldo, Udine, Italy

Pamela Barbadoro, Ancona, Italy

Silvio Brusaferrò, Rome, Italy

Maria Campanella, Palermo, Italy

Rafael Canton, Madrid, Spain

Maria Grazia Catteneo, Italy

Pierangelo Clerici, Legnano, Italy

Paolo D'Ancona, Rome, Italy

Giulia De Angelis, Rome, Italy

Marco Falcone, Pisa, Italy

Antonio Ferro, Trento, Italy

Domenico Mantoan, Rome, Italy

Andea Marino, Catania, Italy

Claudio Mastroianni, Rome, Italy

Monica Monaco, Rome, Italy

Maria Mongardi, Verona, Italy

Maria Luisa Moro, Bologna, Italy

Alessandra Mularoni, Palermo, Italy

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Rosaria Palermo, Catania, Italy
Angelo Pan, Cremona, Italy
Cesira Pasquarella, Parma, Italy
Gaetano Privitera, Pisa, Italy
Annibale Raglio, Bergamo, Italy
Gian Maria Rossolini, Florence, Italy
Michela Sabbatucci, Rome, Italy
Maurizio Sanguinetti, Rome, Italy
Massimo Sartelli, Macerata, Italy
Mario Sarti, Modena, Italy
Roberta Siliquini, Torino, Italy
Stefania Stefani, Catania, Italy
Marco Tinelli, Milano, Italy
Pier Luigi Viale, Bologna, Italy
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Contact

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