Target Audience
Clinical microbiologists/microbiologists, infectious diseases doctors

Faculty Members
Aleksandra Barac, Belgrade, Serbia
Bojana Beovic, Ljubljana, Slovenia
Iva Butic, Zagreb, Croatia
Zeynep Ceren Karahan, Ankara, Turkey
Uga Dumpis, Riga, Latvia
Oskar Ekelund, Vaasa, Sweden
Miquel Ekkelemenkamp, Utrecht, Netherlands
Onur Karatuna, Växjö, Sweden
Danilo Lo Fo Wong, Copenhagen, Denmark
Surbhi Malhotra-Kumar, Antwerp, Belgium
Saskia Nahrgang, Copenhagen, Denmark
Neven Papic, Zagreb, Croatia
Irina Pristas, Zagreb, Croatia
Marija Santini, Zagreb, Croatia
Nandini Shetty, London, UK
Robert Skov, Copenhagen, Denmark
Arjana Tambic Andrasevic, Zagreb, Croatia

Organisers
• ESCMID Study Group for Antimicrobial Resistance Surveillance (ESGARS)
• Croatian Society for Clinical Microbiology of the Croatian Medical Association

Course Coordinators
Arjana Tambic Andrasevic, Zagreb, Croatia
Robert Skov, Copenhagen, Denmark
Onur Karatuna, Växjö, Sweden

Course Objective
The aim of the course is to acquire knowledge on best clinical and laboratory practices to optimize the use of diagnostic tools in settings with limited resources and high prevalence of antimicrobial resistance. Specific objectives include: to adopt skills in detection of resistance mechanism in gram-positive and gram-negative bacteria; to improve sampling habits and clinical interpretation of microbiological findings for the most common bacterial infections (urinary, respiratory, bloodstream and skin and soft tissue infections); to better understand and discuss the importance of diagnostic and antimicrobial stewardship in optimizing patient treatment.

Contact
Contact Person (Scientific Programme)
Arjana Tambic Andrasevic
University Hospital for Infectious Diseases
Mirogojska 8, Zagreb
Croatia
Phone: 00385914012664
arjana.tambic@bfm.hr

Administrative Secretariat
Arijana Pavelic
University Hospital for Infectious Diseases
Mirogojska 8, Zagreb
Croatia
Phone: 00385914012584
apavelic@bfm.hr

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Course Programme

Sunday, 16 October 2022

13:50 – 14:10  Respiratory tract infections (RTI): how much bacteriological testing is needed
Inna Pristas

14:10 – 14:30  Antibiotic therapy of community acquired RTI
Bojana Beovic

14:30 – 14:50  Challenges in laboratory diagnostics of skin and soft tissue infections (SSTI)
Zeynep Ceren Karahan

14:50 – 15:10  Challenges in the diagnostics and treatment of fungal infections
Aleksandra Barac

15:10 – 15:25  Discussion

15:25 – 15:45  Coffee break

15:45 – 16:00  Detection of resistance mechanisms in gram-positive bacteria
Robert Skov, Iva Butic

16:00 – 16:20  Detection of resistance mechanisms in gram-negative bacteria
Onur Karatuna, Irina Pristas

16:20 – 16:40  The role of a clinical microbiologist in diagnostic and antimicrobial stewardship
Miquel Ekkelenkamp, Arjana Tumbic Andrasevic

16:40 – 17:00  Tutorials (each session 45 min)

Detection of resistance mechanisms in gram-positive bacteria
Robert Skov, Iva Butic

Detection of resistance mechanisms in gram-negative bacteria
Onur Karatuna, Irina Pristas

The role of a clinical microbiologist in diagnostic and antimicrobial stewardship
Miquel Ekkelenkamp, Arjana Tumbic Andrasevic

(two groups each)

17:00 – 21:00  City Tour & Dinner

Monday, 17 October 2022

08:30 – 09:00  Welcome and introduction
Onur Karatuna, Robert Skov, Arjana Tambic Andrasevic

09:00 – 09:30  Antibiotic classes used to treat gram-positive bacteria and most important resistance mechanisms
Robert Skov

09:30 – 10:00  Antibiotic classes used to treat gram-negative bacteria and most important resistance mechanisms
Onur Karatuna

10:00 – 10:30  The role of a clinical microbiologist in diagnostic and antimicrobial stewardship?
Miquel Ekkelenkamp

10:30 – 10:45  Discussion

10:45 – 11:15  Coffee break

11:15 – 11:35  Laboratory diagnostics of bloodstream infections BSI
Arjana Tumbic Andrasevic

11:35 – 11:55  Antibiotic therapy of community acquired BSI
Neven Papic

11:55 – 12:15  Urinary tract infections (UTI): from sampling to the interpretation of the results
Iva Butic

12:15 – 12:35  Antibiotic therapy of UTI
Uga Dumpis

12:35 – 12:50  Discussion

12:50 – 13:50  Lunch break

13:50 – 14:10  Respiratory tract infections (RTI): how much bacteriological testing is needed
Inna Pristas

14:10 – 14:30  Antibiotic therapy of community acquired RTI
Bojana Beovic

14:30 – 14:50  Challenges in laboratory diagnostics of skin and soft tissue infections (SSTI)
Zeynep Ceren Karahan

14:50 – 15:10  Challenges in the diagnostics and treatment of fungal infections
Aleksandra Barac

15:10 – 15:25  Discussion

15:25 – 15:45  Coffee break

15:45 – 16:00  Detection of resistance mechanisms in gram-positive bacteria
Robert Skov, Iva Butic

16:00 – 16:20  Detection of resistance mechanisms in gram-negative bacteria
Onur Karatuna, Irina Pristas

16:20 – 16:40  The role of a clinical microbiologist in diagnostic and antimicrobial stewardship
Miquel Ekkelenkamp, Arjana Tumbic Andrasevic

16:40 – 17:00  Tutorials (each session 45 min)

17:00 – 21:00  City Tour & Dinner

Tuesday, 18 October 2022

09:00 – 09:20  Prescribing antibiotics in intensive care units
Marija Santini

09:20 – 09:40  Rapid testing in clinical microbiology: what is applicable in settings with limited resources
Dakar Ekelund

09:40 – 10:00  Screening for multidrug resistant organisms
Nandini Shetty

10:00 – 10:15  Discussion

10:15 – 10:45  Coffee break

10:45 – 11:05  Urinary tract infections: case presentations
Iva Butic, Uga Dumpis

11:05 – 11:25  Respiratory tract infections: case presentations
Bojana Beovic, Irina Pristas

11:25 – 11:50  Challenges in laboratory diagnostics of skin and soft tissue infections (SSTI)
Alesandra Barac, Zeynep Ceren Karahan

11:50 – 12:10  Challenges in the diagnostics and treatment of fungal infections
Aleksandra Barac, Zeynep Ceren Karahan

12:10 – 12:30  Discussion

12:30 – 13:30  Lunch break

13:30 – 14:10  Tutorials (each session 45 min)

14:10 – 14:30  To screen or not to screen
Nandini Shetty, Irina Pristas

14:30 – 14:50  Caring for critically ill patients
Marija Santini, Dakar Ekelund

14:50 – 15:10  Bloodstream infections: case presentations
Neven Papic, Arjana Tumbic Andrasevic

(two groups each)

15:10 – 15:30  Discussion

15:30 – 16:30  Tutorials (each session 45 min)

16:30 – 17:30  Tutorials (each session 45 min)

17:30 – 21:30  City Tour & Dinner

Wednesday, 19 October 2022

09:00 – 09:20  Strengths and weaknesses of current antimicrobial susceptibility testing methods
Onur Karatuna

09:20 – 09:40  Challenges in maintaining an antimicrobial resistance (AMR) surveillance network
Saskia Nathgang

09:40 – 10:00  One health approach to AMR
Donita Lo Fa Wong

10:00 – 10:20  Increasing research capacity through twinning projects
Surbhi Malhotra-Kumar

10:20 – 10:35  Discussion

10:35 – 11:35  Panel discussion
Rational use of microbiological diagnostics and antibiotics

11:35 – 12:35  Lunch break

12:35 – 13:35  Departure