



## Contact

### Contact Person (Scientific Programme and Administrative Secretariat)

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**Picture outside:** Children ICU at Universitat Autònoma Barcelona, © VHIR  
**Picture inside:** Main entrance of Royal Hospital, Muscat



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## ESCMID Postgraduate Education Course

# Hospital-Acquired Infections: Understanding the Magnitude and Needed Interventions

Muscat, Oman  
 24 – 25 March 2017



## ESCMID Postgraduate Education Course

# Hospital-Acquired Infections: Understanding the Magnitude and Needed Interventions

### Organizers

- ESCMID Study Group for Infections in Critically Ill Patients (ESGCIP)
- ESCMID Study Group for Nosocomial Infections (ESGNI)
- European Committee on Infection Control (EUCIC)
- CIBERES, Vall d'Hebron Institute of Research, Barcelona, Spain
- GCC Center for Infection Control, Ministry of National Guard-Health Affairs, Riyadh, Saudi Arabia
- The Royal Hospital, Muscat, Oman

### Course Coordinators

- Hanan Balkhy, Riyadh, Saudi Arabia
- Faryal Khamis, Muscat, Oman
- Eskild Petersen, Aarhus, Denmark
- Jordi Rello, Barcelona, Spain

### Course Objectives

Healthcare-associated Infections (HAIs), especially caused by MDR bacteria are now challenging, including the Middle East. These are escalating, increasing patient morbidity and mortality. Some patients are faced with the nightmare of untreatable infections. Main organisms include *Acinetobacter baumannii*, *Pseudomonas aeruginosa* and *Klebsiella* spp. MDR HAI prevention and control requires a multi-disciplinary approach and many competencies including antimicrobial stewardship, microbiology, infection prevention and control (hand hygiene, screening and isolation) and organisational/behavioural changes, with paucity of good quality, randomized, controlled studies in the field. Carefully controlled studies testing specific interventions, or combinations thereof, are needed in different settings, including countries with middle/low resources (LMIC), testing isolation strategies, screening, prudent antimicrobial use and

### Target Audience

30 – 120 graduate and postgraduate students, infectious diseases specialists, clinical microbiologists, paediatricians, respiratory specialists, intensive care doctors, infection control practitioners, pharmacists, doctors, and other specialties interested in all aspects of sepsis.

### Faculty Members

Murat Akova, Ankara, Turkey  
 Seif Al Abri, Muscat, Oman  
 Amina Al Jardani, Muscat, Oman  
 Amal Al Maani, Muscat, Oman  
 Zakiya Al Makrami, Muscat, Oman  
 Zaina Al Maskari, Muscat, Oman  
 Jalila Al Mohsin, Muscat, Oman  
 Abdulla Balkhair, Muscat, Oman  
 Hanan Balkhy, Riyadh, Saudi Arabia  
 Hilary Humphreys, Dublin, Ireland  
 Stephan Juergen Harbarth, Geneva, Switzerland  
 Zeina Kanafani, Beirut, Lebanon  
 Faryal Khamis, Muscat, Oman  
 Ziad A. Memish, Riyadh, Saudi Arabia  
 Nico Tom Mutters, Heidelberg, Germany  
 Tibor Pal, Al Ain, United Arab Emirates  
 Eskild Petersen, Aarhus, Denmark  
 Jordi Rello, Barcelona, Spain  
 Agnes Maria Sonnevend, Al Ain, United Arab Emirates  
 Edet Ekpenyong Udo, Safat, Kuwait  
 Margreet C. Vos, Rotterdam, Netherlands

# Course Programme

## Friday, 24 March 2017

09:00 – 09:15 Opening comments and workshop objectives.  
*Faryal Khamis*

### Session 1 The burden of MDR Gram-negatives I

Chairs: *Seif Al-Abri, Stephan Juergen Harbarth*

09:15 – 09:45 MDR Gram-negative bacteria in the ICU. *Jordi Rello*

09:45 – 10:15 Hospital-acquired infections – the experience from Turkey.  
*Murat Akova*

10:15 – 10:45 Molecular epidemiology of resistance in the Gulf region.  
*Tibor Pal*

10:45 – 11:15 Coffee/tea break

### Session 2 The burden of MDR Gram -negatives II

Chairs: *Murat Akova, Faryal Khamis*

11:15 – 11:35 MDR in the Kingdom of Saudi Arabia.  
*Ziad A. Memish*

11:35 – 11:55 MDR hospital-acquired infections in Oman. *Amina Al Jardani*

11:55 – 14:00 Lunch and prayer

### Session 3 The burden of MDR Gram-negatives III

Chairs: *Zaina Al Maskari, Agnes Maria Sonnevend*

14:00 – 14:20 MDR hospital-acquired infections in Lebanon. *Zeina Kanafani*

14:20 – 14:40 MDR hospital-acquired infections in Kuwait. *Edet Ekpenyong Udo*

14:40 – 14:50 The strategic plan for combating antimicrobial resistance in Gulf Cooperation Council States.  
*Hanan Balkhy*

14:50 – 15:20 Coffee/tea break

### Session 4 Screening and antibiotic stewardship

Chairs: *Amal Al Maani, Zeina Kanafani*

15:20 – 15:50 Technology or no technology: no screening or bedside tests?  
*Jalila Al Mohsin*

15:50 – 16:20 Screening on admission – what is the value?  
*Stephan Juergen Harbarth*

16:20 – 16:40 Antibiotic stewardship – is it too late? *Eskild Petersen*

16:40 – 17:00 Wrap up of day 1. *Seif Al-Abri*

19:00 – 22:00 Participants dinner

## Saturday, 25 March 2017

### Session 5 New approaches to infection control

Chairs: *Abdulla Balkhair, Hilary Humphreys*

08:30 – 09:00 An integrated approach to infection control. *Nico Tom Mutters*

09:00 – 09:30 The research agenda – what does molecular epidemiology teach us? *Murat Akova*

09:30 – 10:00 Control of ventilator-associated Pneumonia: the EU-VAP/CAP study.  
*Jordi Rello*

10:00 – 10:30 Coffee/tea break

### Session 6 What Technologies are at our disposal?

Chairs: *Zakiya Al-Makrami, Jordi Rello*

10:30 – 11:00 Gap analysis of current approaches to preventing HCAI.  
*Stephan Juergen Harbarth*

11:00 – 11:30 New tools for environmental microbial control. *Hilary Humphreys*

11:30 – 12:00 Evaluation of tools: outcome measures, methods, defining effects. *Margreet C. Vos*

12:00 – 14:00 Lunch and prayer

### Session 7 What on top of the research agenda?

Chairs: *Ziad A. Memish, Nico Tom Mutters*

14:00 – 14:30 Methodology and study design of interventional studies – what we have learnt from implementing ESCMID respiratory bundles.  
*Jordi Rello*

14:30 – 15:00 Round table discussion: The research agenda – what is needed to answer future needs for infection control? *Murat Akova, Seif Al-Abri, Hanan Balkhy, Nico Tom Mutters, Jordi Rello*

15:00 – 15:30 Coffee/tea break

15:30 – 16:00 Conclusions, wrap up, future plans.  
*Faryal Khamis*

# Organization

## Course Venue

Crowne Plaza Hotel  
P.O. Box 1455  
Ruwi 112 Muscat, Oman

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## Registration Procedure

Register now online on the ESCMID website at [www.escmid.org/education](http://www.escmid.org/education). Registration deadline is 10 February 2017.

## Registration Fee

EUR 50 for ESCMID members  
(Full Membership/Young Scientist Membership)

EUR 70 for non-ESCMID members

The registration fee will cover lunches, coffee breaks, teaching materials and social activities (including one dinner). Travel and accommodation is not included.

## Attendance Grants

ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee. Travel is not included. Please apply via the ESCMID website at [www.escmid.org/education](http://www.escmid.org/education) before 13 January 2017. Applicants will be informed about their acceptance by 27 January 2017.

## CME Accreditation

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

