

EUCIC Certificate Programme

EUCIC Basic Module in Infection Prevention and Control

Groningen, Netherlands
26 – 31 May 2024



Faculty Members

Netherlands	Onno Akkerman
Turkey	Emine Alp Mese
Netherlands	Erik Bathoorn
Netherlands	Brigitte Blaauw-Dijkhuizen
Netherlands	Gerolf de Boer
Netherlands	Willemijn Gordijn
Netherlands	Haitske Graveland
Netherlands	Joost Hopman
Netherlands	Lenny ten Horn-van Kreijl
Netherlands	Anke Huckriede
Netherlands	Eva Huiting
Netherlands	Klaas de Jonge
Netherlands	Jan Kluijtmans
Netherlands	Marjolein Knoester
Netherlands	Marion Koopmans
Netherlands	Coretta van Leer
Netherlands	Mariëtte Lokate
Netherlands	Maaïke van Mourik
Germany	Nico Mutters
Netherlands	Lineke Nieuwland
Netherlands	Geesje Roo Brand
Netherlands	Hein Schotsman
Netherlands	Reinoudt Sieperda
Cyprus	Nikolaos Spernovasilis
Italy	Evelina Tacconelli
Malta	Ermira Tartari
Greece	Athanasios Tsakris
Cyprus	Constantinos Tsioutis
Netherlands	Paulien Vierdag
Netherlands	Andreas Voss
Netherlands	Esther van Wezel
Netherlands	Bram Wierenga
Netherlands	Karin Wold
Switzerland	Walter Zingg
Netherlands	Xuewei Zhou

Day 1 Sunday, 26 May 2024

Location: Ronde zaal
Chair: Andreas Voss

BASIC PRINCIPLES OF INFECTION CONTROL

Learning objectives:

- Understanding different modes of transmission of pathogens (viral, bacterial, parasitic, fungal)
- Differentiation of infection, colonization, and contamination
- Principles of HAI

15:00 – 15:30	Registration and coffee (Fontein Patio)
15:30 – 15:35	Welcome Andreas Voss and Emine Alp Mese
15:15 – 16:20	Importance of infection control interventions on clinical practice Evelina Tacconelli
16:20 – 17:05	Basic principles of transmission dynamics Nico Mutters
17:05 – 17:35	Eyes for the invisible and explanation practical's Lenny ten Horn-van Kreij
	Meeting point You will be guided to Lab050
18 :15	Get together and dinner: Lab050 Boterdiep 111, Groningen

Day 2 Monday, 27 May 2024

Location: Ronde zaal

Chair: Erik Bathoorn

MICROBIOLOGICAL DIAGNOSTIC SKILLS & OCCUPATIONAL HEALTH

Learning objectives:

- Basic microbiological methods
- Performance characteristics of different testing methods and principles used in clinical laboratories (i.e. culture-based methods, serology, rapid diagnostics and molecular assays)
- Biochemical markers
- Microbiological infrastructure and qualification (medical/clinical/scientific microbiologists, in hospitals, private laboratories, other forms of infrastructure)
- Screening Indication for screening B Implementation of screening and types of screening protocols
- Biohazards (e.g. sharps) and biohazards management
- Post exposure prophylaxis

08:30 – 09:15	Viral diagnostics in infection control Coretta van Leer
09:15 – 10:00	Organization of laboratory services for infection control Erik Bathoorn
10:00 – 10:30	Break (Ronde zaal)
10:30 – 11:15	Preventing whooping cough Esther van Wezel
11:15 – 12:00	Occupational health: Post exposure prophylaxis Xuewei Zhou
12:00 – 13:00	Lunch (Ronde zaal)
PRACTICAL INFECTION PREVENTION CONTROL SKILLS	
13:15 – 14:45	Workshop Basic hygiene (UMCG Skills Center) Learning objectives <ul style="list-style-type: none"> • Assurance of healthcare worker safety, internal information exchange and public disclosure of information, respecting ethical standards for patient protection • Screening and immunization of healthcare workers PPE (personal protective equipment) • IPC skills
15:00	Gather for bus to Tuberculosis center
15:30 – 16:00	Break (De Uithoek)
	Visit of the Tuberculosis Center Haren Learning objectives <ul style="list-style-type: none"> • Transmission of pathogens • Occupational health
16:00 – 17:15	Guided Tour Dutch TB Center
17:30 – 18:00	The Dutch TB-care Center, insights Onno Akkerman Location: Beatrixoord Haren

Day 3 Tuesday, 28 May 2024

Location: Lokaal 16

Chairs: Athanasios Tsakris and Maaïke van Mourik

SURVEILLANCE AND INDICATORS

Learning objectives:

- Differences between HAI surveillance definitions and clinical definitions for infectious syndromes
- The role of surveillance and feedback reporting
- Surveillance systems (local, regional, national, European and global)
- Use data management resources to obtain needed information and perform healthcare epidemiology and public HAI surveillance
- Validation of HAI surveillance data
- Proper selection of HAI surveillance software

09:30 – 10:00	Surveillance of antimicrobial resistance in Europe Athanasios Tsakris
10:00 – 10:30	Surveillance of HAI and intervention measures for infection control Maaïke van Mourik
10:30 – 11:00	Break (Blauwe Patio)
11:00 – 11:30	RadaR, an example of hospital infections surveillance software Gerolf de Boer
11:30 – 12:00	Using indicators to guide hospital infection control strategies Joost Hopman
12:00 – 13:00	Lunch (Blauwe Patio)
PRACTICAL INFECTION PREVENTION CONTROL SKILLS	
13:15 – 14:45	Parallel sessions in small groups (Lokaal 16 /UMCG Skills Center) Bedside teaching with simulated patients, choice and application of appropriate infection control precautions in various clinical scenarios. Workshop cleaning, disinfecting and design/ construction/ renovation/ demolition and ventilation systems
14:45 – 15:15	Break (Blauwe Patio)
Location: Lokaal 16	
Chairs: Athanasios Tsakris and Maaïke van Mourik	
HAND HYGIENE	
Learning objectives:	
<ul style="list-style-type: none"> • Multimodal hand hygiene improvement strategy, methods for compliance monitoring, targets for improvement, self-assessment framework 	
15:15 – 15:30	Introduction to hand hygiene Andreas Voss
15:30 – 16:15	How to increase hand hygiene compliance and WHO hand hygiene self-assessment framework Ermira Tartari
16:15 – 17:30	Workshop “How to increase hand hygiene compliance” Andreas Voss and Paulien Vierdag
19:00	Dinner at Feithuis Martinikerhof 10, Groningenn

Day 4 Wednesday, 29 May 2024

Location: Ronde zaal

Chairs: Andreas Voss

CONTROVERSIES, INTERVENTIONS AND (MOLECULAR) TOOLS IN INFECTION CONTROL

Learning objectives:

- Bundles of infection control

08:30– 09:15	Controversies in infection control: the answer my friend is blowing in the wind Jan Kluijtmans
09:15 – 10:00	Multimodal strategies in HAI-prevention – The PROHIBIT example Walter Zingg
10:00 – 10:30	Break (Ronde zaal)
10:30– 11:15	Interpretation of WGS data for infection control Jan Kluijtmans
11:15 – 12:00	Infection prevention bundles Walter Zingg
12:00 – 13:00	Lunch (Ronde zaal)
PRACTICAL INFECTION PREVENTION CONTROL SKILLS	
13:15 – 14:45	Parallel sessions in small groups (Ronde zaal / UMCG Skills Center) Beside teaching with simulated patients, choice and application of appropriate infection control precautions in various clinical scenarios. Workshop cleaning, disinfecting and design/ construction/ renovation/ demolition and ventilation systems
14:45 – 15:15	Break (Ronde zaal)
<p>Location: Ronde zaal Chair: Emine Alp Mese</p>	
HOSPITAL ENVIRONMENT AND ENVIRONMENTAL CLEANING	
Learning objectives:	
<ul style="list-style-type: none"> • Environmental sources of infection 	
15:15 – 16:00	The healthcare environment from the view of a microorganism – adventures of a “Bug-packer” Mariëtte Lokate
16:00 – 16:45	Environmental cleaning and controlling Emine Alp Mese

Day 5 Thursday, 30 May 2024

Location: Traverse zaal

Chairs: Emine Alp Mese

INFECTIOUS DISEASES AND APPROPRIATE INFECTION PREVENTION AND CONTROL

Learning objectives:

- Pathogenesis of HAI and community-acquired infections (CAI)
- Principles of HAI

08:30– 09:15	Pathogenesis of HAI Nikolaos Spervovasilis
09:15 – 10:00	Definitions of most common nosocomial infections (BSI, UTI, PN, SSI) Constantinos Tsioutis
10:00 – 10:30	Break (Blauwe Patio)
10:30– 12:00	Case studies HAI Nikolaos Spervovasilis and Constantinos Tsioutis
12:00 – 13:00	Lunch (Blauwe Patio)
PRACTICAL INFECTION PREVENTION CONTROL SKILLS	
13:15 – 14:45	Parallel sessions in small groups (Ronde zaal / UMCG Skills Center)
14:45 – 15:15	Break (Blauwe Patio)

Location: Ronde zaal

Chair: Marjolein Knoester

OUTBREAKS AND IMMUNIZATION

Learning objectives:

- Role of healthcare workers in outbreaks (particularly viral-borne, e.g., influenza, norovirus) as vectors or accelerators

15:15 – 16:00	Pandemic preparedness Marion Koopmans
16:00 – 16:30	Influenza vaccination Anke Huckriede
16:30 – 17:30	Workshop vaccination (groups of 4) Anke Huckriede and Marjolein Knoester
18:00	Get together

Day 6 Friday, 31 May 2024

Location: Ronde Zaal
Chairs: Erik Bathoorn

SUSTENTABILITY

Learning objectives:

- Sustainability and guidelines development

08:30– 09:15	Sustainability in infection prevention Geesje Roo Brand
09:15 – 10:00	Interactive session on sustainability and healthcare Geesje Roo Brand
10:00 – 10:30	Break (Ronde zaal)
10:30– 11:15	Guidelines: how they are made Haitske Graveland
11:15 – 11:45	Feedback: lessons learned
11:45 – 12:15	Lunch (Ronde zaal)
12:15 – 13:15	Assessment (mandatory)
13:15 – 13:30	Conclusive remarks Erik Bathoorn

Programme

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