

ESCMID Antimicrobial Stewardship Certificate 2022 – 2024

BASIC Course Programme, Nijmegen, 13-17 June 2022

Day 1

MORNING PROGRAM

Antimicrobial Stewardship Introduction / General principles of antimicrobial therapy

09:00 – 09:15	Welcome and introduction	Dr. Jeroen Schouten
09:15 – 10:00	BASIC requirements of an Antimicrobial stewardship Program, an interactive overview	Dr. Jaap ten Oever
10:00 – 10:30	BASIC requirements of an Antimicrobial stewardship Program, the role of Microbiology (diagnostic stewardship)	Prof. dr. Heiman Wertheim
10:30 – 11:00	The WHAT of antimicrobial stewardship (objectives)	Prof. dr. Jan Prins

Break

11:15 – 11:45	Epidemiology of resistance. Current situation and trends in Europe. How do you weigh this? Where do you get the (local) data from? How does this affect outcomes?	dr. Mark de Boer
11:45 – 12:30	Interdisciplinary consultations: a lesson in empathy / combining multiple perspectives	Prof. dr. Bhanu Sinha

AFTERNOON

Workshop Implementation in practice (part I) “What is exactly my problem?”

13:30 – 14:30	The HOW of antimicrobial stewardship: how do I make sure that what is implemented/performed in daily practice	Prof. dr. Marlies Hulscher
14:30 – 15:00	Presentation of a “My project” performed by a course Alumnus: “How did I approach my own Antimicrobial Stewardship problem and improve ? “	
15:00 – 16:30	Workshop: introduction of all participants to their main AMS problem: group discussion to define one major problem per group.	
16:30 – 18:00	Social Event (Bike tour / Walk in the woods)	

DAY 2

MORNING PROGRAM

Optimizing Antimicrobial therapy

09:00 – 09:45	Practical PK/PD: Leads for optimal dosing, also in situations of altered organ function	Dr. Nynke Jager
09:45 – 10:30	EUCAST methodology of breakpoints , clinical breakpoints, ECOFFs and susceptibility	Dr. Anouk Muller

Break

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| 11:00 – 11:45 | Practical PK/PD: therapeutic drug monitoring (TDM) to optimize efficacy and prevent toxicity | Dr. Reinier van Hest |
| 11:45 – 12:30 | How to manage (suspected) antibiotic allergy and possibilities for stewardship | Dr. Mark de Boer |

AFTERNOON

Workshop Implementation in practice (part IIa) “How do I measure the quantity of antimicrobial use?”

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| 13:30 – 14:00 | Quantity of antimicrobial use: the basics | Dr. Paul van der Linden |
| 14:00 – 15:00 | Workshop “How to deduct Quantitative Measures from a raw database and how to analyse and present data” | Dr. Paul van der Linden
Dr. Reinier van Hest
Dr. Nynke Jager |

Break

Workshop Implementation in practice (part IIb) “How do I measure the quality of antimicrobial use?”

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| 15:30 – 16:00 | Quality Indicators in Antimicrobial Stewardship, the basics | Prof. Dr. Marlies Hulscher |
| 16:00 – 17:00 | Workshop “How to operationalize Quality indicators for appropriate antimicrobial use” | |
| 17:00 – 17:30 | Performing a Point Prevalence Survey, the basics | Dr. Jaap ten Oever |
| 17:30 – 18:30 | Workshop “How to conduct a Point Prevalence Survey, interpret and present results” | |

Free evening

DAY 3

MORNING PROGRAM

Changing therapy: escalation and de-escalation / IV oral switch

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| 09:00 – 09:30 | Markers of inflammation and infection: how to interpret (e.g. CRP, PCT, leukocytes)? Can they be used to tailor treatment duration? | Dr. Mark de Boer |
| 09:30 – 10:00 | (Rapid) microbiological diagnostics: how to interpret? | Prof. Dr. Bhanu Sinha |
| 10:00 – 10:30 | Benefits of early IV-oral switch: low hanging fruit in Antimicrobial Stewardship Programs | Prof. Dr. Jan Prins |

Break

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| 11:00 – 11:45 | Escalation and De-escalation practice: how to do this in daily practice? | Dr. Mark de Boer |
| 11:45 – 12:30 | Follow-up diagnostics in S. aureus bacteremia consultations | Dr. Kim Sigaloff |

AFTERNOON

14:00 – 22:00 Social Event: Lunch on the go
Visit to Boerhaave museum in
Leiden; boat tour and diner

DAY 4

MORNING PROGRAM

Stopping therapy and discharge with therapy at home

09:00 – 09:30	Stopping antibiotics and duration of antibiotic therapy. Guidelines vs practice	Prof. dr. Jan Prins
09:30 – 10:00	(Prolonged) Antibiotic prophylaxis in perioperative and medical settings	Dr. Mark de Boer
10:00 – 10:30	IV antimicrobial therapy at home: OPAT, drug options, controls and toxicity	Dr. Jaap ten Oever Dr. Rogier van Hest Dr. Paul van der Linden

Workshop Implementation in practice (part III) “How do I analyse barriers?”

11:00 – 11:30	Determinants of Antibiotic use	Dr. Jeroen Schouten
11:30 – 13:00	Workshop “How to assess barriers and facilitators related to optimal antibiotic use”	

AFTERNOON

Workshop Implementation in practice (part IV) How to devise an intervention?

14:00 – 16:00	Workshop “How do I get from a barrier to a potentially effective intervention”	Dr. Milou Fredrix (online)
16:00 – 18:00	Group work	
20:00	Fire-side chat: The ethics of prescribing	Dr. Babette Rump

DAY 5

MORNING PROGRAM

Special Patient Groups

9:00 – 9:30	AMS in the immuno-compromised patient	Dr. Anke Bruns
9:30 – 10:00	AMS in the Emergency department	Dr. Teske Schoffelen
10:00 – 10:30	Pediatric AMS	Dr. Gerdien Tramper

Break

11.00 -12.00 EXAM

AFTERNOON

“Grande Finale” of the group projects

13:00 – 15:30	Plenary presentation of team projects to the complete group of experts & discussion
15:30 – 16:15	Closing remarks and certificate ceremony