

AMS Certificate Programme

# **Principles of Antimicrobial Stewardship: the What and the How**

Nijmegen, Netherlands  
3 - 7 June 2024



**Faculty Members**

Netherlands	<b>Jeroen Schouten</b>
Netherlands	<b>Mark de Boer</b>
Netherlands	<b>Jaap ten Oever</b>
Netherlands	<b>Paul van der Linden</b>
Netherlands	<b>Reinier van Hest</b>
Netherlands	<b>Jan Prins</b>
Netherlands	<b>Marlies Hulscher</b>
Netherlands	<b>Bhanu Sinha</b>
Netherlands	<b>Jan Baltink</b>
Netherlands	<b>Nynke Jager</b>
Netherlands	<b>Anouk Muller</b>
Netherlands	<b>Teske Schoffelen</b>
Netherlands	<b>Kim Sigaloff</b>

## Day 1 Monday, 3 June 2024

<b>MORNING</b>	<b>ANTIMICROBIAL STEWARDSHIP INTRODUCTION /GENERAL PRINCIPLES OF ANTIMICROBIAL THERAPY</b>
09:00 – 09:15	<b>Welcome and Introduction</b> Jeroen Schouten
09:15 – 10:00	<b>BASIC requirements of an Antimicrobial stewardship Program, an interactive overview</b> Jaap ten Oever
10:00 – 10:30	<b>BASIC requirements of an Antimicrobial stewardship Program, the role of Microbiology (diagnostic stewardship)</b> Heiman Wertheim
10:30 – 11:00	<b>The WHAT of antimicrobial stewardship (objectives)</b> Jeroen Schouten
<b>11:00 – 11:30</b>	<b>Break</b>
11:30– 12:00	<b>Epidemiology of resistance. Current situation and trends in Europe</b> Mark de Boer
<b>AFTERNOON</b>	<b>WORKSHOP IMPLEMENTATION IN PRACTICE (PART I) “WHAT IS EXACTLY MY PROBLEM?”</b>
13:30 – 14:30	<b>The HOW of antimicrobial stewardship: how do I make sure that what is implemented/ performed in daily practice</b> Marlies Hulscher
14:30 – 15:00	<b>Presentation of a “My project” performed by a course Alumnus: “How did I approach my own Antimicrobial Stewardship problem and improve?”</b> Marlies Hulsche
15:00 – 17:00	<b>Workshop: introduction of all participants to their main AMS problem: Group discussion to define one major problem per group</b> Marlies

## Day 2 Tuesday, 4 June 2024

<b>MORNING</b>	<b>OPTIMIZING ANTIMICROBIAL THERAPY</b>
09:00 – 09:45	<b>EUCAST methodology of breakpoints , clinical breakpoints, ECOFFs and susceptibility</b> Anouk Muller
09:45 – 10:30	<b>Practical PK/PD: Leads for optimal dosing, also in situations of altered organ function</b> Nynke Jager
<b>10:30 – 11:00</b>	<b>Break</b>
11:00 – 11:45	<b>Practical PK/PD: therapeutic drug monitoring (TDM) to optimize efficacy and prevent toxicity</b> Reinier van Hest
11:45 – 12:30	<b>How to manage (suspected) antibiotic allergy and possibilities for stewardship</b> Mark de Boer

<b>AFTERNOON</b>	<b>WORKSHOP IMPLEMENTATION IN PRACTICE (PART II) "HOW DO I MEASURE THE QUANTITY OF ANTIMICROBIAL USE?"</b>
13:30 – 14:00	<b>Quantity of antimicrobial use: the basics</b> Paul van der Linden
14:00 – 15:00	<b>Workshop "How to deduct Quantitative Measures from a raw database and how to analyse and present data"</b> Paul van der Linden, Reinier van Hest and Nynke Jager
<b>15:00 – 15:30</b>	<b>Break</b>
15:30 – 16:00	<b>Quality Indicators in Antimicrobial Stewardship</b> Marties Hulscher
16:00 – 17:00	<b>Workshop "How to operationalize Quality indicators between IPC, AMR teams and C-suite for appropriate antimicrobial use"</b> Jaap ten Oever, Jeroen Schouten and Teske Schoffele
17:00 – 17:30	<b>Performing a Point Prevalence Survey, the basics</b> Jaap ten Oever

## Day 3      Wednesday, 5 June 2024

<b>MORNING</b>	<b>CHANGING THERAPY: ESCALATION AND DE-ESCALATION / IV ORAL SWITCH</b>
09:00 – 09:30	<b>Markers of inflammation and infection: how to interpret (e.g. CRP, PCT, leukocytes)? Can they be used to tailor treatment duration?</b> Mark de Boer
09:30 – 10:15	<b>(Rapid) microbiological diagnostics: how to interpret?</b> Bhanu Sinha
<b>10:15 – 10:45</b>	<b>Break</b>
10:45 – 11:15	<b>(Prolonged) Antibiotic prophylaxis in perioperative and medical settings</b> Mark de Boer
11:45 – 12:30	<b>Escalation and De-escalation practice: how to do this in daily practice?</b> Mark de Boer
<b>AFTERNOON</b>	
13:00 – 14:30	<b>Workshop on S. aureus bacteraemia consultations</b> Mark de Boer and Kim Sigalof
14:30 – 17:00	<b>Group work</b>

## Day 4 Thursday, 6 June 2024

### MORNING

09:00 – 09:30	<b>Stopping antibiotics and duration of antibiotic therapy: Guidelines vs practice</b> Jan Prins
09:30 – 10:00	<b>Benefits of early IV-oral switch: low hanging fruit in Antimicrobial Stewardship Programs</b> Jan Prins
10:00 – 10:30	<b>IV antimicrobial therapy at home: OPAT, drug options, controls and toxicity</b> Reinier van Hest and Kim Sigaloff
<b>10:30 – 11:00</b>	<b>Break</b>
11:00 – 11:30	<b>Determinants of Antibiotic use</b> Jeroen Schouten
11:30 – 13:00	<b>Workshop “How to assess barriers and facilitators related to optimal antibiotic use”</b> Teske Schoffelen

### AFTERNOON

14:00 – 16:00	<b>Workshop “How do I get from a barrier to a potentially effective intervention”</b> Milou Fredrix
16:00 – 18:00	<b>Group work</b>

## Day 5 Friday, 7 June 2024

### MORNING

09:00 – 10:00	<b>KEY NOTE LECTURE: Putting it all together in interdisciplinary consultations: a lesson in empathy combining multiple perspectives</b> Bhanu Sinha
10:00 – 12:00	<b>Plenary presentation of team projects to the complete group of experts &amp; discussion</b>
12:00 – 12:30	<b>Closing remarks and certificate ceremony &amp; group photo</b>
<b>12:30 – 13:30</b>	<b>Lunch and Farewell</b>

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