



IU

INTERNATIONAL UPDATE

Sepsis: today and tomorrow

Rome, Italy, December 15-18, 2024



## Sepsis: today and tomorrow

Rome, December 15-18, 2024

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### Sunday, December 15, 2024

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#### Opening

16:00	<b>Registration</b>
17:00	<b>Welcome</b> Jean-Louis Vincent (Brussels, Belgium)
17:10	<b>Current thinking on the pathogenesis of sepsis</b> Joost Wiersinga (Amsterdam, Netherlands)
17:30	<b>Reframing sepsis for clinical practice: beyond consensus conferences</b> John C Marshall (Toronto, Canada)
17:50	<b>Current criteria in children</b> Luregn Schlapbach (Zürich, Switzerland)
18:10	<b>Organ shutdown: adaptive versus maladaptive</b> Mervyn Singer (London, UK)
18:30	<b>Lung microbiome changes are important</b> Massimo Antonelli (Rome, Italy)
18:50	<b>Have outcomes from sepsis improved?</b> Hallie Prescott (Ann Arbor, USA)
19:10	<b>Discussion with the entire faculty</b> Jan De Waele (Ghent, Belgium), Gabriele Melegari (Modena, Italy), Peter Pickkers (Nijmegen, Netherlands), Evelina Tacconelli (Verona, Italy), Fabio S Taccone (Brussels, Belgium), Alexander Zarbock (Münster, Germany)
20:00	<b>End of the day</b>

**Monday, December 16, 2024**

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### Novel diagnostic approaches

08:30	<b>Gene expression to characterize the host response</b> Luregn Schlapbach (Zürich, Switzerland)
08:45	<b>New technology to detect pathogens...</b> Jan De Waele (Ghent, Belgium)
09:00	<b>...and to orient antibiotic therapy</b> Mervyn Singer (London, UK)
09:15	<b>Place of pancreatic stone protein</b> Gabriele Melegari (Modena, Italy)
09:30	<b>Are renal biomarkers useful to guide management?</b> Alexander Zarbock (Münster, Germany)
09:45	<b>Clinical impact</b> Evelina Tacconelli (Verona, Italy)
10:00	<b>Discussion</b>
10:15	<b>Break</b>

### Early therapeutic strategies

10:40	<b>Optimal antibiotic selection</b> Hallie Prescott (Ann Arbor, USA)
10:55	<b>We need a personalized approach</b> Evelina Tacconelli (Verona, Italy)
11:10	<b>Initial dosing: the same for all?</b> Jan De Waele (Ghent, Belgium)
11:25	<b>My antibiotic guidelines</b> Mervyn Singer (London, UK)
11:40	<b>Does the timing of source control really matter?</b> Massimo Antonelli (Rome, Italy)
11:55	<b>Corticosteroids from the start?</b> Joost Wiersinga (Amsterdam, Netherlands)
12:10	<b>Discussion</b>

### What I learned this morning

12:20	<b>What I learned this morning</b> John C Marshall (Toronto, Canada), Gabriele Melegari (Modena, Italy), Peter Pickkers (Nijmegen, Netherlands)
12:30	<b>Lunch</b>

## Antimicrobial management

13:30	<b>My top papers of the last year</b> Joost Wiersinga (Amsterdam, Netherlands)
13:45	<b>Antibiotic strategy for resistant Gram-negative bacteria</b> Evelina Tacconelli (Verona, Italy)
14:00	<b>Let us consider the adverse effects</b> Fabio S Taccone (Brussels, Belgium)
14:15	<b>Antibiotic de-escalation: always yes, sometimes maybe?</b> Jan De Waele (Ghent, Belgium)
14:30	<b>Role of D-glucan in fungal infections</b> Massimo Antonelli (Rome, Italy)
14:45	<b>Sepsis in LMIC: the burden of tropical infections and antimicrobial resistance</b> Joost Wiersinga (Amsterdam, Netherlands)
15:00	<b>Discussion</b>
15:20	<b><i>Break</i></b>

## Sepsis bundles

15:45	<b>US policy efforts: all good?</b> Hallie Prescott (Ann Arbor, USA)
16:00	<b>The dangers of sepsis bundles</b> Mervyn Singer (London, UK)
16:15	<b>Discussion</b>

## Clinical case

16:25	<b>Clinical approach to a patient with suspected sepsis</b> Jan De Waele (Ghent, Belgium)
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## What I learned this afternoon

16:50	John C Marshall (Toronto, Canada), Peter Pickkers (Nijmegen, Netherlands) Luregn Schlapbach (Zürich, Switzerland), Alexander Zarbock (Münster, Germany)
17:00	<b><i>End of the day</i></b>

### Sepsis therapies

08:30	<b>Blood purification therapies: current status</b> Peter Pickkers (Nijmegen, Netherlands)
08:45	<b>Anti-TNF strategies could still make sense</b> John C Marshall (Toronto, Canada)
09:00	<b>Towards novel immunotherapies</b> Joost Wiersinga (Amsterdam, Netherlands)
09:15	<b>Phenotyping is the way forward</b> Peter Pickkers (Nijmegen, Netherlands)
09:30	<b>Targeting bioenergetics and metabolism</b> Mervyn Singer (London, UK)
09:45	<b>Discussion</b>
10:00	<b>Break</b>

### Hemodynamic management

10:25	<b>When to intubate the trachea</b> Massimo Antonelli (Rome, Italy)
10:40	<b>Early hemodynamic management</b> Jean-Louis Vincent (Brussels, Belgium)
10:55	<b>Angiotensin II administration: the rationale</b> Alexander Zarbock (Münster, Germany)
11:05	<b>Angiotensin II administration: for which patients?</b> Peter Pickkers (Nijmegen, Netherlands)
11:15	<b>Discussion</b>

### Organ function and support

11:30	<b>Cardiomyopathy</b> Mervyn Singer (London, UK)
11:45	<b>Encephalopathy</b> Fabio S Taccone (Brussels, Belgium)
12:00	<b>Respiratory failure</b> Massimo Antonelli (Rome, Italy)
12:15	<b>Renal failure</b> Peter Pickkers (Nijmegen, Netherlands)
12:30	<b>Discussion</b>

### What I learned this morning

12:40	Jan De Waele (Ghent, Belgium), Hallie Prescott (Ann Arbor, USA), Luregn Schlapbach (Zürich, Switzerland), Evelina Tacconelli (Verona, Italy)
12:50	<b>Lunch</b>

## Preventing the catastrophe

13:30	<b>We need better public awareness</b> Luregn Schlapbach (Zürich, Switzerland)
13:45	<b>Managing sepsis outside the hospital</b> Hallie Prescott (Ann Arbor, USA)
14:00	<b>Any role for prophylactic agents?</b> John C Marshall (Toronto, Canada)
14:15	<b>SDD: current status</b> Jan De Waele (Ghent, Belgium)
14:30	<b>Discussion</b>
14:45	<i>Break</i>

## Clinical trials

15:10	<b>Rethinking sepsis trials: Basket and platform trials</b> John C Marshall (Toronto, Canada)
15:25	<b>We should design joint adult-pediatric trials</b> Luregn Schlapbach (Zürich, Switzerland)
15:40	<b>Discussion</b>

## Long term outcomes

15:50	<b>Post-sepsis syndromes</b> Evelina Tacconelli (Verona, Italy)
16:00	<b>In adults</b> Hallie Prescott (Ann Arbor, USA)
16:10	<b>In children</b> Luregn Schlapbach (Zürich, Switzerland)
16:20	<b>Discussion</b>

## Clinical case

16:30	<b>Clinical approach to a child with possible sepsis</b> Luregn Schlapbach (Zürich, Switzerland)
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## What I learned this afternoon

16:50	Evelina Tacconelli (Verona, Italy), Peter Pickkers (Nijmegen, Netherlands), Mervyn Singer (London, UK), Joost Wiersinga (Amsterdam, Netherlands), Alexander Zarbock (Münster, Germany)
17:00	<i>End of the day</i>

## Round table discussions

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| 08:30 | <b>Antimicrobial stewardship</b><br>Moderator: Fabio S Taccone (Brussels, Belgium)<br>Massimo Antonelli (Rome, Italy), Jan De Waele (Ghent, Belgium), Gabriele Melegari (Modena, Italy), Evelina Tacconelli (Verona, Italy)        |
| 08:55 | <b>How to improve quality</b><br>Moderator: Jean-Louis Vincent (Brussels, Belgium)<br>Jan De Waele (Ghent, Belgium), Hallie Prescott (Ann Arbor, USA), Luregn Schlapbach (Zürich, Switzerland), Evelina Tacconelli (Verona, Italy) |
| 09:20 | <b>Sepsis bundles</b><br>Moderator: Alexander Zarbock (Münster, Germany)<br>Massimo Antonelli (Rome, Italy), Hallie Prescott (Ann Arbor, USA), Mervyn Singer (London, UK), Fabio S Taccone (Brussels, Belgium)                     |
| 09:55 | <b>How I use biomarkers</b><br>Moderator: John C Marshall (Toronto, Canada)<br>Jan De Waele (Ghent, Belgium), Gabriele Melegari (Modena, Italy), Jean-Louis Vincent (Brussels, Belgium), Alexander Zarbock (Münster, Germany)      |

## Concepts for the future

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| 10:20 | <b>Precision medicine for all</b><br>Luregn Schlapbach (Zürich, Switzerland)             |
| 10:35 | <b>What future guidelines will look like</b><br>Joost Wiersinga (Amsterdam, Netherlands) |
| 10:50 | <b>Sepsis definitions (or criteria) will evolve</b><br>Mervyn Singer (London, UK)        |
| 11:05 | <b>We may no longer need the word 'sepsis'</b><br>John C Marshall (Toronto, Canada)      |

## Discussion: How I see the future

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| 11:20 | Moderator: Peter Pickkers (Nijmegen, Netherlands)<br>Gabriele Melegari (Modena, Italy), Mervyn Singer (London, UK), Joost Wiersinga (Amsterdam, Netherlands), John C Marshall (Toronto, Canada) |
| 12:00 | <i>Final comments</i>   |
| 12:30 | <i>End of the meeting</i>   |