



IU

INTERNATIONAL UPDATE

Sepsis: today and tomorrow

Rome, Italy, December 15-18, 2024



Opening

Current thinking on the pathogenesis of sepsis - (Joost Wiersinga)

Reframing sepsis for clinical practice: Beyond consensus conferences - (John C Marshall)

Current criteria in children - (Luregn Schlapbach)

Organ shutdown: adaptive versus maladaptive - (Mervyn Singer)

Lung microbiome changes are important matters - (Massimo Antonelli)

Have outcomes from sepsis improved? - (Hallie Prescott)

Novel diagnostics

Gene expression to characterize the host response - (Luregn Schlapbach)

New technology to detect pathogens... - (Jan De Waele)

...and to orient antibiotic therapy - (Mervyn Singer)

Clinical impact - (Evelina Tacconelli)

Initial antibiotic therapy

Optimal selection - (Hallie Prescott)

Let us prefer microbiome-friendly antibiotics - (Joost Wiersinga)

We need a personalized approach - (Evelina Tacconelli)

Initial dosing: the same for all? (Jan de Waele)

Early therapeutic strategies

Does faster treatment of sepsis derail stewardship? - (Hallie Prescott)

My antibiotic guidelines - (Mervyn Singer)

When to intubate the trachea - (Massimo Antonelli)

Early hemodynamic management - (Jean-Louis Vincent)

Corticosteroids from the start? - (Joost Wiersinga)

Sepsis bundles

US policy efforts: all good? - (Hallie Prescott)

The dangers of sepsis bundles - (Mervyn Singer)

Antimicrobial management

My top papers of the last year - (Joost Wiersinga)

Antibiotic strategy for resistant Gram-negative bacteria - (Evelina Tacconelli)

Let us consider the side effects (Fabio Taccone)

Antibiotic de-escalation: always yes, sometimes maybe? - (Jan De Waele)

Interest of D Glucan in fungal infections - (Massimo Antonelli)

Sepsis in LMIC: the burden of tropical infections and antimicrobial resistance - (Joost Wiersinga)

Biomarkers to guide antibiotic therapy

Pro: Antibiotic duration should be individualized (Jean-Louis Vincent)

Con: Biomarkers are not very useful if you do things right - (Jan De Waele)

Source control

A practical strategy - (Jan De Waele)

Does the timing really matter? - (Massimo Antonelli)

Sepsis therapies

Anti-TNF strategies could still make sense - (John C Marshall)

Towards novel immunotherapies - (Joost Wiersinga)

Targeting bioenergetics and metabolism - (Mervyn Singer)

Organ function and support

Cardiomyopathy - (Mervyn Singer)

Encephalopathy - (Fabio Taccone)

Respiratory failure - (Massimo Antonelli)

Renal protection – (Jean-Louis Vincent)

We will have a SOFA-2 score - (Mervyn Singer)

Preventing the catastrophe

We need better public awareness - (Luregn Schlapbach)

Managing sepsis outside the hospital - (Hallie Prescott)

Any role for prophylactic agents? - (John C Marshall)

Probiotics: Current status - (Joost Wiersinga)

SDD: Current status (Jan De Waele)

Long term outcomes

Post sepsis syndromes - (Evelina Tacconelli)

In adults - (Hallie Prescott)

In children - (Luregn Schlapbach)

Quality improvement

A pediatrician's view - (Luregn Schlapbach)

Implementation of stewardship interventions - (Evelina Tacconelli)

We need collective action - (Hallie Prescott)

The concepts in the future

Precision medicine for all - (Luregn Schlapbach)

What the future guidelines will look like - (Joost Wiersinga)

Sepsis definitions (or criteria) will evolve - (Mervyn Singer)

We may no longer need the word 'sepsis' (John C Marshall)

Clinical trials

Rethinking sepsis trials: Basket and platform trials - (John C Marshall)

We should design joint adult-pediatric trials - (Luregn Schlapbach)

Clinical cases

A clinical approach to a patient with suspected sepsis - (Jan De Waele)

A clinical approach of a child with possible sepsis - (Luregn Schlapbach)

An infectious disease specialist (Evelina Tacconelli)

Plenary

What's new in pneumonia management? - (Joost Wiersinga)

Adjuvant treatments for sepsis: Insights from rheumatology - (John C Marshall)

Round tables

Sepsis bundles: H Prescott, M Singer, F Taccone, M Antonelli

How I see the future: M Singer, E Tacconelli, J Wiersinga, J Marshall

How to improve quality: L Schlapbach, J De Waele, E Tacconelli, H Prescott

Antimicrobial stewardship – J De Waele, F Taccone, E Tacconelli