2ND WORLD SEPSIS CONGRESS
A Free Online Congress by the Global Sepsis Alliance
To be held completely online on September 5th and 6th, 2018

Information & Registration: worldsepsiscongress.org
#wsc18

Program Chairs: Flavia Machado, Simon Finfer, Konrad Reinhart
WELCOME TO THE
2ND WORLD SEPSIS CONGRESS

Since the 1st World Sepsis Congress in 2016, considerable progress has been made towards the Global Sepsis Alliance’s goal of “A World Free of Sepsis”.

Notably, on May 26th, 2017, the World Health Assembly, the World Health Organisation’s decision-making body, adopted a resolution on improving the prevention, diagnosis, and management of sepsis. In January 2018, the World Health Organisation convened a meeting of an expert advisory group on sepsis to put in place a plan to act on the resolution. That meeting was attended by representatives from all WHO regions and made great strides in developing a plan to operationalize the resolution. The creation of the African Sepsis Alliance, the European Sepsis Alliance, and similar initiatives in other regions of the world indicate substantial progress, as does the Khartoum Resolution, which calls for a Pan-African strategy to tackle sepsis.

Another critical area now receiving much greater attention is the need to provide appropriate healthcare and support to sepsis survivors and to those bereaved by sepsis.

Despite these advances, there is still a great deal to be done to ensure uniform access to sepsis care around the world. Great inequalities still exist in healthcare resources and in the management of sepsis – particularly in low- and middle-income countries.

Low sepsis awareness, a lack of basic resources including trained healthcare workers, difficulties in access to care, and inadequate process of care are all hallmarks of resource-poor settings. Disparities are often influenced by healthcare funding models and – in some countries – access to care and its quality are based heavily on the ability of the patient or their family to pay. In such settings, decisions to withhold or withdraw expensive treatments and critical care may be driven by financial considerations.

Like the 1st World Sepsis Congress, the 2nd WSC brings together highly ranked representatives of international and national healthcare authorities, NGOs, policy makers, patients, patient advocacy groups, clinical scientists, researchers, and pioneers in healthcare improvement with the unified goal of improving sepsis healthcare around the world. As program chairs and on behalf of the Global Sepsis Alliance, we cordially invite you to join us for this free online congress and to join us in working towards “A World Free of Sepsis”.

Simon Finfer,
MBBS FRCP FRCA FCICM FAHMS MD
The George Institute
for Global Health

Flavia Machado,
MD
Latin American
Sepsis Institute

Konrad Reinhart,
MD ML
Center for Sepsis
Control & Care
# Opening Session: Sepsis – Still a Global Health Threat

**Wednesday, Sep 5**

**at 11:00h UTC**  
(click to see your local time zone)

### Opening Remarks:
**Tedros Adhanom Ghebreyesus**, Director-General WHO  
**Chair:** Simon Finfer, Australia

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00h</td>
<td>The Approach of G7 / G20 Member States to Improve Global Health</td>
<td>Helge Braun, Chancellery Minister, Germany</td>
</tr>
<tr>
<td>11:15h</td>
<td>Role and Perspective of the European Union</td>
<td>Vytenis Andriukaitis, EU Commissioner for Health and Food Safety, Belgium</td>
</tr>
<tr>
<td>11:30h</td>
<td>Sepsis and the UN Sustainable Development Goals</td>
<td>Naoko Yamamoto, Assistant Director-General WHO, Switzerland</td>
</tr>
<tr>
<td>11:45h</td>
<td>Sepsis and AMR – Need for a Joint Global Strategy</td>
<td>Jeremy Farrar, Wellcome Trust, UK</td>
</tr>
<tr>
<td>12:00h</td>
<td>Challenges and Opportunities to Fight Sepsis in Africa</td>
<td>Mamoun Homeida, Minister of Health Khartoum, Sudan</td>
</tr>
<tr>
<td>12:15h</td>
<td>The New York State Approach to Fight Sepsis</td>
<td>Marcus Friedrich, Department of Health, New York State, US</td>
</tr>
<tr>
<td>12:30h</td>
<td>Why We Need a Global Action Plan Against Sepsis</td>
<td>Konrad Reinhart, Global Sepsis Alliance, Germany</td>
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**PDT** = San Francisco  = UTC -7  
**MDT** = Salt Lake City  = UTC -6  
**CDT** = Houston  = UTC -5  
**EDT** = New York  = UTC -4  
**BRT** = São Paulo  = UTC -3  
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**CEST** = Berlin  = UTC +2  
**CEST** = Ankara  = UTC +3  
**GST** = Dubai  = UTC +4  
**PKT** = Islamabad  = UTC +5  
**IST** = New Delhi  = UTC +6  
**ICT** = Bangkok  = UTC +7  
**CST** = Beijing  = UTC +8  
**IST** = Tokyo  = UTC +9  
**AEST** = Sydney  = UTC +10
### S2: Antimicrobial Therapy and Source Control I

**Chair: Alison Fox-Robichaud, Canada**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:00h UTC</td>
<td>How to Improve Outcome in Staphylococcal Sepsis</td>
</tr>
<tr>
<td></td>
<td>Mathias Pletz, Germany</td>
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<tr>
<td>13:15h UTC</td>
<td>Do Inhaled Antimicrobials Play a Role?</td>
</tr>
<tr>
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<td>Jean Chastre, France</td>
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<tr>
<td>13:30h UTC</td>
<td>Novel Antibiotics to Overcome Resistance</td>
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<td>Tobias Welte, Germany</td>
</tr>
<tr>
<td>13:45h UTC</td>
<td>Finding the Source of Sepsis</td>
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<td></td>
<td>Charles Gommersal, Hong Kong</td>
</tr>
<tr>
<td>14:00h UTC</td>
<td>Surgical Source Control</td>
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<td></td>
<td>John Marshall, Canada</td>
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<tr>
<td>14:15h UTC</td>
<td>Choosing the Right Antimicrobials in Resource-Limited Settings</td>
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<td>Arjen Dondorp, Thailand</td>
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### S3: The Different Faces and Challenges of Sepsis

**Chair: Nathan Nielsen, US**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:30h UTC</td>
<td>Sepsis and Recovery in the Elderly</td>
</tr>
<tr>
<td></td>
<td>Hannah Wunsch, US</td>
</tr>
<tr>
<td>14:45h UTC</td>
<td>Sepsis in Meningitis</td>
</tr>
<tr>
<td></td>
<td>Diederik van de Beek, The Netherlands</td>
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<tr>
<td>15:00h UTC</td>
<td>Viral Sepsis in Tropical Diseases Ebola</td>
</tr>
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<td></td>
<td>Shevin Jacob, Uganda</td>
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<tr>
<td>15:15h UTC</td>
<td>Sepsis in Seasonal, Avian, and Swine Flu</td>
</tr>
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<td></td>
<td>Robert Fowler, Canada</td>
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<tr>
<td>15:30h UTC</td>
<td>Sepsis in Malaria and Dengue Fever</td>
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<tr>
<td></td>
<td>Pravin Amin, India</td>
</tr>
<tr>
<td>15:45h UTC</td>
<td>Sepsis in Cancer Patients</td>
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<td></td>
<td>Imrana Malik, US</td>
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- ICT = Bangkok = UTC +7
- CST = Beijing = UTC +8
- JST = Tokyo = UTC +9
- AEST = Sydney = UTC +10
S4: Epidemiology of Sepsis

Chair: Jeremy Kahn, US

16:00h UTC
National Estimates for China
Bin Du, China

16:15h UTC
Global and National Estimates Using ICD Data
Carolin Fleischmann-Struzek, Germany

16:30h UTC
Mapping Disease in Resource-Limited Settings
Rashan Haniffa, UK

16:45h UTC
National Estimates using Electronic Health Records
Chanu Rhee, US

17:00h UTC
National Estimates for Sweden Based on Chart Review
Adam Linder, Sweden

17:15h UTC
Challenges to Assess the Global Burden of Sepsis
Kristina Rudd, US

S5: Improving Early Detection and Quality of Care

Chair: Vida Hamilton, Ireland

17:30h UTC
Inequalities in Sepsis Treatment Around the World
Flavia Machado, Brazil

17:45h UTC
Every Hour Counts – Lessons from New York State
Christopher Seymour, US

18:00h UTC
The Key Role of Emergency Medicine
Luis Garcia-Castrillo Riesgo, Spain

18:15h UTC
Nurses Hold the Key to Quality Sepsis Care
Ruth Kleinpell, US

18:30h UTC
Limitations of qSOFA for Early Detection
Flavia Machado, Brazil

18:45h UTC
Automated Sepsis Alerts and Rapid Response Teams
Edgar Jimenez, US

19:00h UTC
Lactate for Detection and Management of Sepsis
Charles Sprung, Israel
**S6: Importance of Pathogen Detection and Sepsis Markers**

**Chair: Steven Opal, US**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>19:15h UTC</td>
<td>How to Improve Yield and Time to Results of Blood Cultures</td>
</tr>
<tr>
<td></td>
<td>Peter Keller, Switzerland</td>
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<tr>
<td>19:30h UTC</td>
<td>Understanding Abnormal Coagulation Tests in Sepsis</td>
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<td>Beverly Hunt, UK</td>
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<tr>
<td>19:45h UTC</td>
<td>Novel Approaches to Faster Detection of Antibiotic Resistance</td>
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<td>Marin Kollef, US</td>
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<tr>
<td>20:00h UTC</td>
<td>Procalcitonin for Infection Management in the ICU</td>
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<td>Evelien de Jong, The Netherlands</td>
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<tr>
<td>20:15h UTC</td>
<td>Transcriptional Diagnostics in Sepsis</td>
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<td>Tom van der Poll, The Netherlands</td>
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<tr>
<td>20:30h UTC</td>
<td>Precision Medicine Will Change Sepsis Management</td>
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<td>Michael Bauer, Germany</td>
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**S7: Antimicrobial Therapy and Source Control II**

**Chair: Satish Bhagwanjee, US**

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<th>Time</th>
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<tbody>
<tr>
<td>20:45h UTC</td>
<td>Role of Procalcitonin for Antibiotic Stewardship</td>
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<tr>
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<td>Beat Müller, Switzerland</td>
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<tr>
<td>21:00h UTC</td>
<td>Indication and Choice of Antifungals</td>
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<tr>
<td></td>
<td>Thierry Calandra, Switzerland</td>
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<tr>
<td>21:15h UTC</td>
<td>Challenges to Implementation of Antibiotic Stewardship</td>
</tr>
<tr>
<td></td>
<td>Alison Holmes, UK</td>
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<tr>
<td>21:30h UTC</td>
<td>Tackling Antimicrobial Resistance in Enterobacteriaceae</td>
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<tr>
<td></td>
<td>Ana Gales, Brazil</td>
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<tr>
<td>21:45h UTC</td>
<td>Empirical Antimicrobial Therapy in Times of AMR</td>
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<td>David Paterson, Australia</td>
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<tr>
<td>22:00h UTC</td>
<td>Beta Lactams – Better by Continuous Infusion?</td>
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<td>Jeffrey Lipman, Australia</td>
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</table>

**Overnight Break – Wednesday to Thursday**
S8: Evidence Based Treatment of Sepsis I

Chair: Marc Ziegenfuss, Australia

Thursday, Sep 6th at 07:00h UTC

- 07:00h UTC: Choosing the Right Vasopressor
  Daniel de Backer, Belgium

- 07:15h UTC: Noninvasive Mechanical Ventilation: When and How
  Massimo Antonelli, Italy

- 07:30h UTC: Prevention and Therapy of Renal Failure
  Marlies Ostermann, UK

- 07:45h UTC: Early Goal Directed Therapy in 2018 – What Remains
  Kathy Rowan, UK

- 08:00h UTC: Can the SSC Guidelines Stay Up-To-Date and Relevant?
  Jean-Louis Teboul, France

- 08:15h UTC: The Challenges to Adapt the SSC Guidelines for Resource-Poor Settings
  Madiha Hashmi, Pakistan

S9: Evidence Based Treatment of Sepsis II

Chair: Markus Weigand, Germany

Thursday, Sep 6th at 08:30h UTC

- 08:30h UTC: Fluids – Less May Be More
  Peter Hjortrup, Denmark

- 08:45h UTC: The Type of Fluid Matters
  Naomi Hammond, Australia

- 09:00h UTC: Human Albumin in Sepsis
  Yasser Sakr, Germany

- 09:15h UTC: Current Evidence for Cytokine and Endotoxin Removal
  Didier Payen, France

- 09:30h UTC: Vitamin C and Antioxidants
  John Myburgh, Australia

- 09:45h UTC: “Primum Non Nocere” (First, Do No Harm) in Sepsis
  Anders Perner, Denmark
S10: Update on Adjunctive Sepsis Therapies

Thursday, Sep 6th at 10:00h UTC
(click to see your local time zone)

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>10:00h</td>
<td>Jean-Louis Vincent, Belgium</td>
<td>Recombinant Human Soluble Thrombomodulin</td>
</tr>
<tr>
<td>10:15h</td>
<td>Peter Pickkers, The Netherlands</td>
<td>Alkaline Phosphatase</td>
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<td>10:30h</td>
<td>Pierre-Francois Laterre, Belgium</td>
<td>Adrenomedullin</td>
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<tr>
<td>10:45h</td>
<td>Niels Riedemann, Germany</td>
<td>Anti C5a</td>
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<tr>
<td>11:00h</td>
<td>Richard Hotchkiss, US</td>
<td>Immunotherapy of Sepsis</td>
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<tr>
<td>11:15h</td>
<td>Ashish Khanna, US</td>
<td>Angiotensin II</td>
</tr>
</tbody>
</table>

S11: Prevention of Infection and Sepsis

Thursday, Sep 6th at 11:30h UTC
(click to see your local time zone)

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>11:30h</td>
<td>Tamara Pilisvili, Centers for Disease Control and Prevention, US</td>
<td>Vaccination as a Strategy to Prevent Invasive Bacterial Infections and Sepsis</td>
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<tr>
<td>11:45h</td>
<td>Pinaki Panigrahi, US</td>
<td>Why Symbiotics Prevent Sepsis in Neonates</td>
</tr>
<tr>
<td>12:00h</td>
<td>Deborah Cook, Canada</td>
<td>Probiotics in the Critically Ill - Why and How?</td>
</tr>
<tr>
<td>12:15h</td>
<td>Greet Van den Berghe, Belgium</td>
<td>Nutrition in the Critically Ill – Is Less More?</td>
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<tr>
<td>12:30h</td>
<td>Petra Gastmeier, Germany</td>
<td>How to Prevent Hospital Acquired Infections</td>
</tr>
<tr>
<td>12:45h</td>
<td>Benedetta Allegranzi, World Health Organization, Switzerland</td>
<td>Challenges to Prevent HAIs in Resource Poor Settings</td>
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</table>
S12: Challenges of Sepsis Management in Children Around the Globe

**Chair: Satoshi Nakagawa, Japan**

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>13:00h UTC</td>
<td>We Need a New Definition for Sepsis in Children</td>
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<tr>
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<td>Luregn Schlapbach, Australia</td>
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<tr>
<td>13:15h UTC</td>
<td>Improving Sepsis Care for Children in China</td>
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<td>Robert Lu, China</td>
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<tr>
<td>13:30h UTC</td>
<td>Smart Discharges for Sepsis – Preventing Child Deaths After Discharge</td>
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<tr>
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<td>Matthew Wiens, Uganda</td>
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<tr>
<td>13:45h UTC</td>
<td>Sepsis from Pneumonia and Diarrhoeal Diseases</td>
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<td>Mohammad Chisti, Bangladesh</td>
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<tr>
<td>14:00h UTC</td>
<td>Sepsis Care in District Hospital: Best Bang for Your Buck</td>
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<td>Elizabeth Molyneux, Malawi</td>
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<tr>
<td>14:15h UTC</td>
<td>Sepsis: The Leading Cause of Death in Children Worldwide</td>
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<td>Niranjan ‘Tex’ Kissoon, Canada</td>
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</tbody>
</table>

S13: Challenges of Maternal and Neonatal Sepsis

**Chair: Andrew Argent, South Africa**

<table>
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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:30h UTC</td>
<td>The Global Burden of Maternal and Neonatal Sepsis</td>
</tr>
<tr>
<td></td>
<td>Mercedes Bonet, World Health Organization, Switzerland</td>
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<tr>
<td>14:45h UTC</td>
<td>Prevention of Neonatal Sepsis</td>
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<td>Zulfiqar Bhutta, Canada</td>
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<tr>
<td>15:00h UTC</td>
<td>Sepsis in Children in Latin America</td>
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<td>Daniela de Souza, Brazil</td>
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<tr>
<td>15:15h UTC</td>
<td>Sepsis in Pandemics and Epidemics</td>
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<td>Adrienne Randolph, US</td>
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<tr>
<td>15:30h UTC</td>
<td>Management of Maternal Sepsis in LMIC</td>
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<td>Jeffrey Smith, Jhpiego, US</td>
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<tr>
<td>15:45h UTC</td>
<td>Fluid Therapy in Children in Resource-Poor Settings</td>
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<td>Kathryn Maitland, Kenya</td>
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</table>
**S14: Sepsis Is a Devastating Disease: Listen to the Survivors and Those Bereaved**

**Chair: Ray Schachter, Canada**

Roundtable Discussion by People Affected by Sepsis and Family Members

**Participants:**
- Fiona Gray, Australia
- Julie-Anne Mealy, Ireland
- Tanja Gethoeffer, Germany
- Carl Flatley, US
- Elkhatieb Elsay Mohamed, Sudan
- Idelette Nutma-Bade, The Netherlands
- Cheryl Misak, Canada

**16:00h UTC**

**Thursday, Sep 6th**

(these times are relative to UTC)

**Roundtable Discussion by People Affected by Sepsis and Family Members**

**S15: Improving Awareness: National and Global Strategies**

**Chair: Janice Zimmerman, US**

Keynote: WHO Hand Hygiene Campaign – Why It Is So Successful
- Didier Pittet, World Health Organization, Switzerland

**17:30h UTC**

**Thursday, Sep 6th**

(these times are relative to UTC)

**17:30h UTC**

Keynote: WHO Hand Hygiene Campaign – Why It Is So Successful
- Didier Pittet, World Health Organization, Switzerland

**17:45h UTC**

Improving Sepsis Education in Turkey
- Necmettin Unal, Turkey

**18:00h UTC**

The CDC’s Sepsis Activities
- Denise Cardo, Centers for Disease Control and Prevention, US

**18:15h UTC**

Improving Sepsis Education in Turkey
- Necmettin Unal, Turkey

**18:30h UTC**

Success Factors to Achieve Mandatory Sepsis Protocols
- Ciaran Staunton, Rory Staunton Foundation, US

**18:45h UTC**

Raising Awareness – Success in the UK
- Ron Daniels, UK Sepsis Trust, UK

**19:00h UTC**

**Strategy and Achievements in Brazil**
- Luciano Azevedo, Latin American Sepsis Institute, Brazil

**19:45h UTC**

Challenges to Increase Sepsis Awareness in Africa
- Emmanuel Nsutebu, African Sepsis Alliance, UK
S16: Enhancing Recovery from Sepsis

Thursday, Sep 6\textsuperscript{th} at 19:15h UTC

\textbf{Chair: Ulf Bodechtel, Germany}

19:15h UTC

The Patient Perspective
\textit{Dennis Kredler, Belgium}

19:30h UTC

Functional Disability after Sepsis
\textit{Theodore ‘Jack’ Iwashyna, US}

19:45h UTC

Lessons from Studying Long-Term Outcomes of ARDS
\textit{Margaret Herridge, Canada}

20:00h UTC

Role of Post ICU Clinics
\textit{James Jackson, US}

20:15h UTC

Prevention of Post-Sepsis Consequences
\textit{Wesley Ely, US}

20:30h UTC

Strategies for Enhancing Recovery – What Works?
\textit{Hallie Prescott, US}

S17: The Most Important Sepsis Research in 2017/2018

Thursday, Sep 6\textsuperscript{th} at 20:45h UTC

\textbf{Chair: Phillip Dellinger, US}

20:45h UTC

Transfusion and Treatment of Severe Anemia in African Children
\textit{Kathryn Maitland, Kenya}

21:00h UTC

Alveolar Recruitment for ARDS: The ART Trial
\textit{Alexandre Cavalcanti, Brazil}

21:15h UTC

Procalcitonin Antibiotic Consensus Trial (ProACT)
\textit{David Huang, US}

21:30h UTC

REMAP CAP – A Platform Trial That Studies Multiple Interventions
\textit{Derek Angus, US}

21:45h UTC

Adjunctive Corticosteroids – The ADRENAL Trial
\textit{Balasubramanian Venkatesh, Australia}

22:00h UTC

Making Sense of the Steroid Trials
\textit{Simon Finfer, Australia}

22:15h UTC

The Need for Clinical Sepsis Research in LMICs
\textit{Jason Phua, Singapore}

Closing Remarks: Konrad Reinhart
SUPPORTERS

If you are interested in supporting the 2nd WSC, please get in touch with Marvin Zick. We are not asking for financial support, but would like your organization to endorse the congress and promote it among your members.

African Sepsis Alliance
German Sepsis Foundation
Intensive Care Society of Ireland
Latin American Sepsis Institute (LASI)
UK Sepsis Trust
If you are interested in becoming a sponsor of the 2nd WSC, please get in touch with Marvin Zick.

The 2nd World Sepsis Congress is brought to you by the Global Sepsis Alliance, initiator of World Sepsis Day on September 13th every year.

World Sepsis Day Head Office
Global Sepsis Alliance
Center for Sepsis Control and Care
Paul-Schneider-Str. 2 | 07747 Jena | Germany
office@world-sepsis-day.org
www.world-sepsis-day.org

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