1ST WORLD SEPSIS CONGRESS
Challenges and Opportunities in the Fight Against Sepsis
To be held completely online from September 8th to 9th, 2016

Information & Registration: worldsepsiscongress.org
#wsc16
Program Chairs: S. Finfer, K. Reinhart
WELCOME TO THE 1ST WORLD SEPSIS CONGRESS

Over the last decade we have seen unexpected pandemics and a continuous increase in sepsis rates in the industrial countries. According to the last Global Burden of Disease Report in 2012 over 10 million deaths each year are due to infections. This makes infections the number two cause of death worldwide. The vast majority of these deaths are attributable to sepsis. Sepsis induced organ dysfunction and shock require urgent supportive therapies in addition to the measures to eradicate the inciting infection. Unfortunately, sepsis is only known to 6-50% of lay people and even health care workers may fail to recognize the early symptoms of sepsis. Sepsis can be prevented to a considerable degree by vaccination against the underlying infections, better sanitation, and clean care. The odds of surviving sepsis can be dramatically improved by early recognition and appropriate treatment with antimicrobials and supportive emergency care measures. Lack of awareness and delayed treatment contribute to make sepsis the #1 preventable cause of death worldwide.

The Global Sepsis Alliance and the World Sepsis Day Movement jointly with national and international professional bodies, patient advocacy groups, and health care providers foster public awareness campaigns, the implementation of quality improvement programs, and are working to improve access to appropriate rehabilitation services for sepsis survivors. We are pleased that the 1st World Sepsis Congress (WSC) brings together highly ranked representatives of international and national health care authorities, NGOs, policy makers, patients, patient advocate groups, most renowned clinical scientists, researchers and pioneers in health care improvement. As program chairs on behalf of the Global Sepsis Alliance we cordially invite you to join us for this free online congress. We are convinced that this event jointly with the 5th World Sepsis Day (WSD) on September 13th will contribute to wider recognition of sepsis by policy makers and members of the public, and inform health care workers and lay people that vaccination, clean care, early recognition and evidence based sepsis management save lives.

Last but not least we hope that it will empower sepsis survivors and their families to join the fight against sepsis and to overcome the long-term consequences of sepsis, and provide a strong signal of support to the initiative of the UN member states who request that a resolution on sepsis becomes part of the agenda of the World Health Assembly meeting in 2017.

Konrad Reinhart, MD ML
Center for Sepsis Control & Care

Simon Finfer, MBBS FRCP FRCA FCICM FAHMS MD
The George Institute for Global Health
Program | 1st World Sepsis Congress

Opening Session: Sepsis - A Global Health Threat

Thursday, Sep 8th at 13:30h UTC

Opening Remarks: S. Finfer, Australia
Chair: N. Kissoon, Canada

13:30h UTC
Pandemics and Sepsis - The Challenges for the International Community of States
H. Braun, Minister of State, Germany

13:45h UTC
Pandemics and Sepsis - The Challenges for the WHO
M.-P. Kieny, Assistant Director-General, WHO

14:00h UTC
Sepsis and the United Nations Sustainable Development Goals
A. Steiner, Under-Secretary General UN, Director UNEP

14:15h UTC
Over 7 Million Childhood Deaths Averted - Progress Report by the Vaccine Alliance
A. Gupta, Deputy CEO GAVI (Vaccine Alliance)

14:30h UTC
Zero Preventable Deaths by 2020
J. Kiani, Founder, Patient Safety Movement Foundation & CEO of Masimo

14:45h UTC
Sepsis – A Call to Action
K. Reinhart, Global Sepsis Alliance

till 15:30 UTC
Discussion
S2: Prevention of Sepsis

Thursday, Sep 8th
at 15:30h UTC
(click to see your local time zone)

Chair: H. Al Rahma, United Arab Emirates

15:30h UTC
Keynote: The Barriers in the Fight Against Hospital Acquired Infections
P. Pronovost, United States

15:45h UTC
Role of Vaccination to Protect from Influenza and Pneumonia
T. Pilisvili, CDC, United States

16:00h UTC
Clean Care is Safer Care
D. Pittet, Switzerland

16:15h UTC
New WHO Global Guideline for the Prevention of Surgical Site Infections and Their Implementation in Resource Limited Settings
B. Allegranzi, WHO

16:30h UTC
Preventing VAP and C Difficile Infections
D. Cook, Canada

16:45h UTC
Sepsis Prevention and Management in Cancer Patients
I. Malik, United States

till 17:10 UTC
Discussion

S3: The Challenges of Patients and Families

Thursday, Sep 8th
at 17:10h UTC
(click to see your local time zone)

Chair: R. Schachter, Canada

17:10h UTC
Keynote: The Health and Wellbeing of Caregivers of Sepsis Patients
M. Herridge, Canada

17:30h UTC - 18:30h UTC
Panel Discussion by Sepsis Victims and Family Members

Participants:
C. Flatley, United States
M. Mead, United Kingdom
R. Schachter, Canada
C. Staunton, United States
A. Trumann, Germany
M. Wienold, Germany
S4: Novel Adjunctive Sepsis Therapies in Clinical Trials

Thursday, Sep 8th
at 18:30h UTC
(click to see your local time zone)

Chair: S. Opal, United States

18:30h UTC
Keynote: Lessons Learned on the Pathophysiology of Sepsis
K. Tracey, United States

18:45h UTC
Recombinant Human Soluble Thrombomodulin
J.-L. Vincent, Belgium

19:00h UTC
Alkaline Phosphatase
P. Pickkers, Netherlands

19:15h UTC
Selepressin
J. Russell, Canada

19:30h UTC
Anti-PD-L1
R. Hotchkiss, United States

19:45h UTC
Challenges in the Development of Novel Diagnostics and Therapeutics in Sepsis
N. Riedemann, Germany

till 20:10h UTC
Discussion

S5: Patient Safety and Quality Improvement I

Thursday, Sep 8th
at 20:10h UTC
(click to see your local time zone)

Chair: P. Dellinger, United States

20:10h UTC
Keynote: Strategies to Improve Patient Safety
L. Donaldson, WHO, United Kingdom

20:25h UTC
The Approach of the Center for Disease Control and Prevention
T. Frieden, CDC, United States

20:40h UTC
The Contribution of the Surviving Sepsis Campaign
M. Levy, United States

20:55h UTC
The UK Sepsis Trust’s Success to Reduce Sepsis Deaths
R. Daniels, United Kingdom

till 21:30 UTC
Discussion

Overnight Break – Thursday to Friday
### S6: Evidence Based Sepsis Therapy

**Chair: M. Ziegenfuss, Australia**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>07:00h</td>
<td>The Challenges of Antimicrobial Resistance</td>
<td>T. Welte, Germany</td>
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<tr>
<td>07:15h</td>
<td>Antifungal Therapy</td>
<td>T. Calandra, Switzerland</td>
</tr>
<tr>
<td>07:30h</td>
<td>Fluid Resuscitation - Type of Fluids</td>
<td>S. Finfer, Australia</td>
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<tr>
<td>07:45h</td>
<td>Fluid Resuscitation - Wet or Dry</td>
<td>A. Perner, Denmark</td>
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<tr>
<td>08:00h</td>
<td>Cardio-Circulatory Support</td>
<td>D. de Backer, Belgium</td>
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<tr>
<td>08:15h</td>
<td>Therapy of Respiratory Failure</td>
<td>L. Gattinoni, Italy</td>
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<tr>
<td>08:30h</td>
<td>Prevention and Therapy of Renal Failure</td>
<td>D. Payen, France</td>
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<td></td>
<td>till 9:30 UTC</td>
<td>Discussion</td>
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### S7: Patient Safety and Quality Improvement II

**Chair: G. Tulli, Italy**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>09:30h</td>
<td>&quot;Sepsis Kills&quot;: Early Intervention Saves Lives</td>
<td>H. Lander, Australia</td>
</tr>
<tr>
<td>09:45h</td>
<td>The Scottish Approach to Reduce Sepsis Deaths</td>
<td>K. Rooney, Scotland</td>
</tr>
<tr>
<td>10:00h</td>
<td>The Role of Human Factors in Fighting Against Sepsis</td>
<td>G. Toccafondi, Italy</td>
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<tr>
<td>10:15h</td>
<td>The Irish Approach to Reduce Sepsis Deaths</td>
<td>V. Hamilton, Ireland</td>
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<td>10:30h</td>
<td>Barriers to Change - Lessons Learned in Germany</td>
<td>D. Schwarzkopf, Germany</td>
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<td>till 11:15 UTC</td>
<td>Discussion</td>
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</tbody>
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## S8: The Challenges of Sepsis Management in Low and Middle Income Settings

**Chair: S. Bhagwanjee, United States**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15h</td>
<td>The Challenges of Sepsis Management in Africa</td>
<td>K. Maitland, Kenya</td>
</tr>
<tr>
<td>11:30h</td>
<td>The Challenges of Sepsis Management in Latin America</td>
<td>F. Machado, Brazil</td>
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<tr>
<td>11:45h</td>
<td>The Challenges of Sepsis Management in China</td>
<td>B. Du, China</td>
</tr>
<tr>
<td>12:00h</td>
<td>The Challenges of Sepsis Management in India</td>
<td>S. Singhi, India</td>
</tr>
<tr>
<td>12:15h</td>
<td>Barriers to Change in Resource Poor Settings</td>
<td>A. Argent, South Africa</td>
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<tr>
<td>till 13:00</td>
<td>Discussion</td>
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</tbody>
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## S9: Pathogen Detection and Sepsis Markers I

**Chair: H. Gerlach, Germany**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>13:00h</td>
<td>The Role of Biomarkers in Antibiotic Stewardship</td>
<td>B. Müller, Switzerland</td>
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<tr>
<td>13:15h</td>
<td>Can Sepsis Biomarkers Contribute to Improved Patient Outcome?</td>
<td>D. de Lange, Netherlands</td>
</tr>
<tr>
<td>13:30h</td>
<td>The Potential of Lactate in Sepsis Management</td>
<td>M. Singer, United Kingdom</td>
</tr>
<tr>
<td>13:45h</td>
<td>Molecular Biomarkers to Guide Sepsis Therapy</td>
<td>T. van der Poll, Netherlands</td>
</tr>
<tr>
<td>14:00h</td>
<td>How Molecular Diagnostics Will Change the Management of Sepsis</td>
<td>J.-P. Mira, France</td>
</tr>
<tr>
<td>till 14:45</td>
<td>Discussion</td>
<td></td>
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</table>
S10: Pathogen Detection and Sepsis Markers II

Friday, Sep 9th at 14:45h UTC
(click to see your local time zone)

Chair: E. Giamarellos, Greece

14:45h UTC
Keynote: The Importance of Diagnostic Microbiology
J. Cohen, United Kingdom

15:00h UTC
Why Antibiotic Stewardship is Key
S. Opal, United States

15:15h UTC
Novel Approaches to Pathogen Detection
M. Bauer, Germany

15:30h UTC
Novel Approaches to Diagnose Fungal Sepsis
O. Kurzai, Germany

15:45h UTC
Novel Biomarkers
P. Caironi, Italy

till 16:30 UTC
Discussion

S11: Patient Safety and Quality Improvement III

Friday, Sep 9th at 16:30h UTC
(click to see your local time zone)

Chair: K. Rooney, Scotland

16:30h UTC
The Turkish Approach to Sepsis Awareness & Education
N. Unal, Turkey

16:45h UTC
Lessons to be Learned from the Success to Reduce Sepsis Deaths in Spain
A. Artigas, Spain

17:00h UTC
A Health Care Provider’s Success to Reduce Sepsis Deaths
M. Doerfler, United States

17:15h UTC
The Potential of Rapid Response Teams to Reduce Sepsis Deaths
E. Williams, United States

17:30h UTC
The WHO Approach to Sepsis Education in Resource Limited Settings
J. Diaz, United States

till 18:15 UTC
Discussion
### S12: Challenges in the Management of Pandemics

**Friday, Sep 9th at 18:15h UTC**

**Chair:** N. Shindo, WHO

- **18:15h UTC**
  - Keynote: Lessons Learned from the 1918 Spanish Influenza
    - D. Morens, NIH, United States

- **18:30h UTC**
  - Lessons to be Learned from the H1N1 Influenza Pandemic
    - R. Fowler, Canada

- **18:45h UTC**
  - Lessons to be Learned from Ebola by the WHO
    - E. Kelley, WHO

- **19:00h UTC**
  - Lessons to be Learned from Ebola by MSF
    - T. Stöbe, Médecins Sans Frontières (MSF)

- **19:15h UTC**
  - Epidemiology Needs a Different Approach in Africa
    - A. Noor, Kenya

- **19:30h UTC**
  - The Role of Preparedness and International Collaboration
    - J. Marshall, Canada

- **till 20:20 UTC**
  - Discussion

### S13: Epidemiology and Long-Term Consequences of Sepsis

**Friday, Sep 9th at 20:20h UTC**

**Chair:** F. Machado, Brazil

- **20:20h UTC**
  - Keynote: Epidemiology of Sepsis
    - D. Angus, United States

- **20:35h UTC**
  - The Burden of Sepsis in Children
    - N. Kissoon, Canada

- **20:50h UTC**
  - The Threat Sepsis Poses to Maternal Health
    - Z. Bhutta, Canada

- **21:05h UTC**
  - Functional Disability after Sepsis
    - T. Iwashyna, United States

- **21:20h UTC**
  - Prevention of Post Sepsis Sequelae
    - W. Ely, United States

- **21:35h UTC**
  - Prevention and Treatment of ICU Related Posttraumatic Stress Disorders
    - A. Parker, United States

- **till 22:05 UTC**
  - Discussion

**Closing Remarks:** Niranjan Kissoon, Canada
This congress is brought to you by the Global Sepsis Alliance. It was made possible with the help of our sponsors, whom we sincerely thank for their ongoing support in the global fight against sepsis.