

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

Thursday, Sep 8 th	Opening Session: Sepsis - A Global Health Threat at 13:30h UTC		S2: Prevention of Sepsis at 15:30h UTC		S3: Sepsis - The Challenges of Patients and Families at 17:10h UTC		S4: Novel Adjunctive Sepsis Therapies in Clinical Trials at 18:30h UTC		S5: Patient Safety and Quality Improvement I at 20:15h UTC	
	S6: Evidence Based Sepsis Therapy at 07:00h UTC		S7: Patient Safety and Quality Improvement II at 09:30h UTC		S8: The Challenges of Sepsis Management in Low & Middle Income Settings at 11:15h UTC		S9: Pathogen Detection and Sepsis Markers I at 13:00h UTC		S10: Pathogen Detection and Sepsis Markers II at 14:45h UTC	
Friday, Sep 9 th	S11: Patient Safety and Quality Improvement III at 16:30h UTC		S12: Challenges in the Management of Pandemics at 18:15h UTC		S13: Epidemiology and Long-Term Consequences of Sepsis at 20:20h UTC					

Opening Session: Sepsis - A Global Health Threat	
Thursday, Sep 8th at 13:30h UTC <small>(click to see your local time zone)</small>	Opening Remarks: S. Finfer, Australia Chair: N. Kisson, Canada
13:30h UTC	Pandemics and Sepsis - The Challenges for the International Community of States H. Braun, Minister of State, Germany
13:45h UTC	Sepsis Management and Prevention: WHO's Perspectives and Actions 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 TBA
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

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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. Pilishvili, 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

Panel Discussion by People Affected by Sepsis and Family Members

17:30h UTC -
 18:30h UTC

Participants:
C. Flatley, United States
M. Mead, United Kingdom
R. Schachter, Canada
C. Staunton, United States
A. Trumann, Germany
M. Wienold, Germany

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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

20:00h UTC

Adrecizumab - a New Option for Targeted Sepsis Therapy
P.-F. Laterre, Belgium

Discussion

S5: Patient Safety and Quality Improvement I

Thursday, Sep 8th
at 20:15h UTC
(click to see your local time zone)

Chair: P. Dellinger, United States

20:15h UTC

Keynote: Strategies to Improve Patient Safety
L. Donaldson, WHO, United Kingdom

20:30h UTC

The Approach of the Centers for Disease Control and Prevention
T. Frieden, CDC, United States

20:45h UTC

The Contribution of the Surviving Sepsis Campaign
M. Levy, United States

21:00h UTC

The UK Sepsis Trust's Success to Reduce Sepsis Deaths
R. Daniels, United Kingdom

21:15h UTC

The WHO Maternal and Newborn Sepsis Initiative
J. Souza, Switzerland

Discussion

Overnight Break – Thursday to Friday

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S6: Evidence Based Sepsis Therapy

**Friday, Sep 9th
at 07:00h UTC**
(click to see your local time zone)

Chair: M. Ziegenfuss, Australia

07:00h UTC

The Challenges of Antimicrobial Resistance
T. Welte, Germany

07:15h UTC

Antifungal Therapy
T. Calandra, Switzerland

07:30h UTC

Fluid Resuscitation - Type of Fluids
S. Finfer, Australia

07:45h UTC

Fluid Resuscitation - Wet or Dry
A. Perner, Denmark

08:00h UTC

Cardio-Circulatory Support
D. de Backer, Belgium

08:15h UTC

Therapy of Respiratory Failure
L. Gattinoni, Italy

08:30h UTC

Prevention and Therapy of Renal Failure
D. Payen, France

till 9:30 UTC

Discussion

S7: Patient Safety and Quality Improvement II

**Friday, Sep 9th
at 09:30h UTC**
(click to see your local time zone)

Chair: G. Tulli, Italy

9:30h UTC

"Sepsis Kills": Early Intervention Saves Lives
H. Lander, Australia

9:45h UTC

The Scottish Approach to Reduce Sepsis Deaths
K. Rooney, Scotland

10:00h UTC

The Role of Human Factors in Fighting Against Sepsis
G. Toccafondi, Italy

10:15h UTC

The Irish Approach to Reduce Sepsis Deaths
V. Hamilton, Ireland

10:30h UTC

Barriers to Change - Lessons Learned in Germany
D. Schwarzkopf, Germany

till 11:15 UTC

Discussion

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S8: The Challenges of Sepsis Management in Low and Middle Income Settings

**Friday, Sep 9th
at 11:15h UTC**

(click to see your local time zone)

Chair: S. Bhagwanjee, United States

11:15h UTC

The Challenges of Sepsis Management in Africa
K. Maitland, Kenya

11:30h UTC

The Challenges of Sepsis Management in Latin America
F. Machado, Brazil

11:45h UTC

The Challenges of Sepsis Management in China
B. Du, China

12:00h UTC

The Challenges of Sepsis Management in India
S. Singhi, India

12:15h UTC

Barriers to Change in Resource Poor Settings
A. Argent, South Africa

till 13:00 UTC

Discussion

S9: Pathogen Detection and Sepsis Markers I

**Friday, Sep 9th
at 13:00h UTC**

(click to see your local time zone)

Chair: H. Gerlach, Germany

13:00h UTC

The Role of Biomarkers in Antibiotic Stewardship
B. Müller, Switzerland

13:15h UTC

Can Sepsis Biomarkers Contribute to Improved Patient Outcome?
D. de Lange, Netherlands

13:30h UTC

The Potential of Lactate in Sepsis Management
M. Singer, United Kingdom

13:45h UTC

Molecular Biomarkers to Guide Sepsis Therapy
T. van der Poll, Netherlands

14:00h UTC

How Molecular Diagnostics Will Change the Management of Sepsis
J.-P. Mira, France

till 14:45 UTC

Discussion

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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

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S12: Challenges in the Management of Pandemics

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

(click to see your local time zone)

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

The Clinical & Epidemiological Barriers to Research in Africa
N. Lufesi, Malawi

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**

(click to see your local time zone)

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

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