

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



MESSAGE

On the occasion of the 1st World Sepsis Congress, I am sending warm greetings from Berlin. I am delighted that the Global Sepsis Alliance is holding this first-ever online congress, thus providing a forum for experts from all over the world to share their strategies in an effort to advance the global fight against sepsis.

Sepsis constitutes a global challenge – in particular for low- and middle-income countries – which can only be addressed by concerted action. In developing countries, an estimated 60 to 80 percent of all infection-related deaths are caused by sepsis. Every year, millions of newborns and small children, as well as about 100,000 post-partum mothers, lose their lives to it.

Prevention, early diagnosis and treatment of sepsis will not only save millions of lives around the world, but will also contribute to achieving the United Nations' Sustainable Development Goals, in particular reducing maternal and neonatal mortality rates as well as strengthening health care systems.

In this respect, the World Health Organization (WHO) plays a decisive role. While it is true that previous efforts by WHO regarding sepsis prevention and treatment were successful, these were predominantly initiated in response to outbreaks and pandemics. In cooperation with the health ministries of Austria, Liechtenstein, Luxembourg, and Switzerland, therefore, I am lobbying for next year's World Health Assembly to adopt a resolution on sepsis. This resolution would, for instance, call for data to be collected globally on this frequently fatal disease. Other goals on our list are: vaccinations of risk groups against infectious diseases, greater compliance with sanitary measures, the early diagnosis and treatment of sepsis, as well as the reduction of antimicrobial resistance by promoting the appropriate use of antibiotics. Moreover, not only the public but also health professionals need to be made more aware of this disease and its symptoms for sufficient information would already greatly lessen the associated risks.

The coordination of activities to prevent and combat sepsis by the WHO will improve patient safety on a global scale. This is one more reason why I am delighted that the 1st World Sepsis Congress is taking place now. Also, I would like to express my sincere gratitude to all of those whose efforts are making the 1st World Sepsis Congress a success. You and all of the participants significantly contribute to our common goal of minimising the number of new infections around the world.



A handwritten signature in black ink, appearing to read 'Hermann Gröhe', written in a cursive style.

Hermann Gröhe

Federal Minister, Member of the German Bundestag

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	
							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	
Friday, Sep 9 th										

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. 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	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	Zero Preventable Deaths by 2020 J. Kiani, Founder, Patient Safety Movement Foundation & CEO of Masimo
14:30h UTC	Sepsis Control - How Nurses Can Remodel the Landscape H. Kabara, National Association of Nurse Intensivists of Nigeria (NANIN)
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 <small>(click to see your local time zone)</small>	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 <small>(click to see your local time zone)</small>	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 People Affected by Sepsis 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

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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	Anti-C5a Therapy 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 Contribution of the Surviving Sepsis Campaign M. Levy, United States
20:45h UTC	The UK Sepsis Trust's Success to Reduce Sepsis Deaths R. Daniels, United Kingdom
21:00h 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 <small>(click to see your local time zone)</small>	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 <small>(click to see your local time zone)</small>	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 <small>(click to see your local time zone)</small>	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 P. Amin, 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 <small>(click to see your local time zone)</small>	Chair: H. Gerlach, Germany
13:00h UTC	Molecular Biomarkers to Guide Sepsis Therapy T. van der Poll, Netherlands
13:15h UTC	The Role of Biomarkers in Antibiotic Stewardship B. Müller, Switzerland
13:30h UTC	Can Sepsis Biomarkers Contribute to Improved Patient Outcome? D. de Lange, Netherlands
13:45h UTC	The Potential of Lactate in Sepsis Management M. Singer, United Kingdom
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
17:45h UTC	The Approach of the Centers for Disease Control and Prevention T. Frieden, CDC, 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. Kisson, Canada

20:50h UTC

The Threat Sepsis Poses to Maternal and Newborn 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 Kisson, Canada

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Centers for Disease Control & Prevention, US	German Trauma Society (DGU)	Sepsis-Foundation, Germany
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Clinical Risk Management and Patient Safety Center of Tuscany Region	Hellenic Sepsis Study Group	Sociedad Argentina de Terapia Intensiva
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Czech Society of Anaesthesiology and Intensive Care	International Federation for Emergency Medicine (IFEM)	Spanish Sepsis Code/ FACME
Czech Society of Intensive Care Medicine	International Forum of Acute Care Trialists (InFACT)	SPB Sepsis, Russia
Emirates Intensive Care Society	International Pan Arab Critical Care Medicine Society (IPACCMS)	Surviving Sepsis Campaign (SSC)
Erin Kay Flatley Memorial Foundation	International Sepsis Forum (ISF)	Swedish Society of Anaesthesiology and Intensive Care (SFAI)
European Shock Society	International Society for Infectious Diseases (ISID)	Thai Society of Critical Care Medicine
European Society of Anaesthesiology (ESA)	Israeli Society of Critical Care Medicine	The Intensive Care Society
European Society of Intensive Care Medicine (ESICM)	Italian Society of Anesthesia Analgesia Reanimation and Intensive Care (SIAARTI)	The Medical Surgical Society of the Juarez Hospital of México A.C.
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Georgian Association of Disaster & Critical Care	Molecular Medicine	Uruguayan Society of Medicine Intensive Care (SUMI)
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