4th World Sepsis Congress One Global Health Threat: Sepsis, Pandemics, and Antimicrobial Resistance

A Free Online Congress by the Global Sepsis Alliance

April 25 - 26, 2023

Information and free registration: worldsepsiscongress.org

#WorldSepsisCongress



Welcome to 4th World Sepsis Congress

These are extraordinary times for Global Health. In 2020, we were faced with the COVID-19 pandemic, which led to a tremendous number of lives lost and precipitated economic disasters globally. In 2021, through unprecedented cooperation in research efforts, vaccines and therapies became available at a scale and speed not previously seen. While the battle is not yet won in 2022, we are harnessing our knowledge and expertise to address the ongoing challenges of the pandemic and other causes of sepsis.

Yet, the COVID-19 pandemic is estimated to have claimed 6.7 million lives globally since the winter of 2019. Every year, sepsis, as the final pathway to death from most infectious diseases, worldwide, claims an estimated 11 million lives. This quantum will only increase as our population grows, and as the world comes to realize that antimicrobial resistance is here today, rather than being a perceived future threat.

On April 25 - 26, 2023, the Global Sepsis Alliance will host the 4th World Sepsis Congress, titled "One Global Health Threat: Sepsis, Pandemics, and Antimicrobial Resistance". As before, this Congress will be easily accessible online and free of charge, to promote as inclusive an opportunity for education and participation as possible. Sessions will be live-streamed and made available after the event for those unable to access them in real time. The focus of the Congress will be to highlight the intimate interrelationships between sepsis, pandemics, and antimicrobial resistance.

Over the two-day period, the Congress will engage with thought leaders in discussions on the impacts of the present global health threats and strategies to address them. We will discuss important regional initiatives that are advancing care in low- and middle-income countries, institutionally driven approaches harnessing the power of multidisciplinary teams, and impactful clinical, bench, and industry-driven research. We will also discuss successful awareness and advocacy campaigns at all levels that increase knowledge and awareness, and influence policy. This exciting program will be of interest to medical professionals, patients and families, industry, and policymakers alike.

As program chairs, we cordially invite you to join us for this free online congress at worldsepsiscongress.org on April 25 - 26, 2023.

Niranjan 'Tex' Kissoon Program Chair

President of the GSA

Canada

Imrana Malik Program Chair

Executive Committee of the GSA

United States of America

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Scientific Committee: Abdulelah Alhawsawi, Maha Aljuaid, Gabriella Bottari, Sorayah Bourenane, Erin Carlton,

Ron Daniels, Janet Diaz, Oguz Dursun, Linette Engelbrecht, Detlev Ganten,

Luis Antonio Gorordo Del Sol, Niranjan 'Tex' Kissoon, Flavia Machado, Imrana Malik,

Odiraa Nwankwor, Konrad Reinhart, Gloria Rodríguez Vega, Jamie Rylance,

Padmini Srikantiah

Project Manager: Marvin Zick

Session 1: Opening Session

Key Success Factors to Address Global Health Threats

Session 2:

The Health Economic and Human Burden of Infections and **Pandemics**

Session 3:

Overcoming Silos to Address Infection-Related Global Health Threats

Session 4:

The Quality of **Healthcare Systems and QI Efforts on Outcomes** from Sepsis and **Pandemics**

Session 5:

Advances and Challenges by Our Regional Sepsis Alliances

Session 7:

Session 6:

Advances in Timely Pathogen and Sepsis Detection

Session 8:

The Benefits of The Potential and **Multidisciplinary Teams** Challenges to Intervene in Sepsis Care on the with the Immune Health Care Facility Level Response

Session 9:

Biomarkers and Antimicrobial Stewardship - The Synergies to Diagnose Sepsis and to Prevent **AMR**

Session 10:

Lessons from the Pandemic to Fight Common Infections and Sepsis

Session 11:

Understanding and Improving Long-term **Outcomes after Sepsis** and COVID-19

Session 12:

Neonatal Sepsis Platforms and Guidelines

Session 13:

The Impact of Survivors and Family Members to Improve Sepsis Awareness and Advocacy

Session 14:

Maternal Sepsis: Why Is It Still in the Top 3 for Global Incidence of Sepsis?

Session 15:

Harnessing the Media to Advance the Global Fight **Against Sepsis**

Session 16:

An Update on Research on Sepsis

Panel

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S1: Opening Session - Key Success Factors to Address Global Health Threats

Tuesday, April 25 14:00h Berlin Time (click to see your local time zone)	Greetings: Tedros Adhanmon Ghebreyesus, Director-General WHO, Switzerland Moderator: Ron Daniels, Global Sepsis Alliance, United Kingdom
14:00h Berlin	Sepsis and the Achievement of the Sustainable Development Goals 2030 Achim Steiner, Administrator United Nations Development Program, United States of America
14:15h Berlin	Key Success Factors in the Fight Against AIDS/HIV John Nkengasong, United States Global AIDS Coordinator, Cameroon
14:30h Berlin	Key Lessons Learned to Get Sepsis on the International Agenda Konrad Reinhart, Global Sepsis Alliance, Germany
14:45h Berlin	The Role of Science and Policy Advice to Address Global Threats Anders Levermann, Potsdam Institute for Climate Impact Research, Germany
15:00h Berlin	The Potential of the G7 and G20 Partners to Fight Global Health Threats Alan Donnelly, The G20 Health & Development Partnership, United Kingdom
15:15h Berlin	The Challenges for the Translation of Scientific Progress to Policy and Practice Beate Kampmann, Charité University Hospital, Germany

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São Paulo	= BT -4	Islamabad	= BT +3	Sydney	= BT +8

S2: The Health Economic and Human Burden of Infections and Pandemics

Tuesday, April 25 15:30h Berlin Time (click to see your local time zone)	Moderator: to be announced
15:30h Berlin	The Global Burden of Sepsis and Infection-Related Long-Term Consequences Carolin Fleischmann-Struzek, Jena University Hospital, Germany
15:45h Berlin	Accelerating Progress Towards Universal Health Coverage in South Asia in the Era of Covid-19 Syed Masud Ahmed, BRAC University, Bangladesh
16:00h Berlin	The Health and Economic Burden of Sepsis Tim Buchman, Emory University School of Medicine, United States of America
16:15h Berlin	Universal Health Coverage for Sustainable Development Roy Small, United Nations Development Programme, United States of America
16:30h Berlin	How Universal Health Coverage Can Climb Up the Political Agenda Rob Yates, Chatham House, United Kingdom

S3: Overcoming Silos to Address Infection-Related Global Health Threats

Tuesday, April 25 17:00h Berlin Time (click to see your local time zone)	Moderator: Brenda Morrow, University of Cape Town, South Africa
17:00h Berlin	Breaking the Silos, Stopping the Spread Jyoti Joshi, International Centre for Antimicrobial Resistance Solutions, Denmark
17:03h Berlin	Newborn and Child Health in Low- and Middle-Income Countries Is Critically Dependent Upon Cross-Sector Working Mike English, Nuffield Department of Medicine, Oxford University, Kenya
17:06h Berlin	Working in Silos Does Not Work for Outbreak Responses to be announced
17:09h Berlin	Breaking the Silos - Improving Global Health Through Cross-Sectoral Action to be announced

S3: Overcoming Silos to Address Infection-Related Global Health Threats

17:12h Berlin	Why Silos Are Killing People in Low- and Middle-Income Countries Shevin Jacob, Liverpool School of Tropical Medicine, Uganda
17:15h Berlin	No More Disease Silos for Sub-Saharan Africa to be announced
17:18h Berlin	Discussion by the Panelists

S4: The Quality of Healthcare Systems and QI Efforts on Outcomes from Sepsis and Pandemics

Tuesday, April 25 18:30h Berlin Time (click to see your local time zone)	Moderator: Gloria Rodríguez-Vega, University of Puerto Rico, Puerto Rico
18:30h Berlin	Keynote: How Can We Define "Quality" in Healthcare? Pierre Barker, Institute for Healthcare Improvement, United States of America
18:45h Berlin	Sepsis and Inequalities Flavia Machado, Latin American Sepsis Institute, Brazil
19:00h Berlin	Rapid Response Teams and In-Hospital Sepsis Daryl Jones, Austin Health, Australia
19:15h Berlin	The Role of Sepsis Mandates Laura Evans, University of Washington, United States of America
19:30h Berlin	The Role of Emergency Medicine and Digitalization Joseph Bonney, African Federation for Emergency Medicine, Ghana

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São Paulo	= BT -4	Islamabad	= BT +3	Tokyo Sydney	= BT +8

S5: Advances and Challenges by Our Regional Sepsis Alliances

Tuesday, April 25 20:00h Berlin Time (click to see your local time zone)	Moderator: Ulrika Knutsson, European Sepsis Alliance, Sweden
20:00h Berlin	Increasing Sepsis Recognition in Africa via Advocacy Emmanuel Nsutebu, African Sepsis Alliance, United Arab Emirates
20:15h Berlin	Fostering Quality Improvement in Sepsis Management in Africa via Research Shevin Jacob, African Research Collaboration on Sepsis, Uganda
20:30h Berlin	Responding to the Burden of Sepsis Across the Asia Pacific Through Regional Advocacy, Education, and Support for Low-Resource Settings Madiha Hashmi, Asia Pacific Sepsis Alliance, Pakistan
20:45h Berlin	Progress and Challenges in Placing Sepsis on the European Agenda Evangelos J. Giamarellos-Bourboulis, European Sepsis Alliance, Greece
21:00h Berlin	The Progress in the Fight Against Sepsis in Latin America Daniela Souza, Latin American Sepsis Institute, Brazil
21:15h Berlin	Sepsis Quality Improvement in Qatar: An Experience From the Eastern Mediterranean Region Rasha Ashour, Eastern Mediterranean Sepsis Alliance, Qatar

S6: Advances in Timely Pathogen and Sepsis Detection

Tuesday, April 25 21:30h Berlin Time (click to see your local time zone)	Moderator: Cheikh Tidiane Diagne, Institut Pasteur, Senegal
21:30h Berlin	A Need for Early Diagnosis - Taking the Patient Experience into Consideration Amy Campbell, East Carolina Health, United States of America
21:45h Berlin	Health Inequities as a Barrier to the Timely Diagnosis of Sepsis Elisa Estenssoro, Hospital Interzonal San Martin de La Plata, Argentina
22:00h Berlin	Current Research on Sepsis Biomarkers and Early Diagnosis François Ventura, Abionic, Switzerland

S6: Advances in Timely Pathogen and Sepsis Detection

22:15h Berlin	Is Sequencing Useful to Detect Sepsis? A Tour of Metagenomics and Transcriptomics for Timely Infection Diagnosis Miriam Huntley, Day Zero Diagnostics, United States of America
22:30h Berlin	Sepsis Diagnosis: A Paradigm Shift Towards Biosensing Tan Toh Leong, University Kebangsaan Malaysia, Malaysia
22:45h Berlin	An Interpretable Machine Learning Model for Accurate Prediction of Sepsis in the ICU Rishi Kamaleswaran, Emory University, United States of America

S7: The Benefits of Multidisciplinary Teams in Sepsis Care on the Health Care Facility Level

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Wednesday, April 26 9:00h Berlin Time (click to see your local time zone)	Moderator: Vida Hamilton, Health Service Executive, Ireland		
9:00h Berlin	Impact of Sepsis Multidisciplinary Team Care on Patients Outcomes Yaseen Arabi, Ministry of National Guard Health Affairs, Saudi Arabia		
9:03h Berlin	Initiation of Antimicrobial Stewardship in Resource-Constrained Environments: A Multidisciplinary Approach Mirfin Mpundu, Director of ReAct Africa, Zambia		
9:06h Berlin	Sepsis Nurse - A Voice to Lead and Transform Care Amanda Harley, Children's Health Queensland, Australia		
9:09h Berlin	Family-Centered Care and Integration of Care Bundles Kawaldip Sehmi, International Alliance of Patients' Organization, United Kingdom		
9:12h Berlin	Early Rehabilitation in Sepsis: Journey to Return Activities and Functional Independence Mohammed Alatwi, King Fahad Medical City, Saudi Arabia		
9:15h Berlin	Discussion by the Panelists		
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S8: The Potential and Challenges to Intervene with the Immune Response

Wednesday, April 26 10:30h Berlin Time (click to see your local time zone)	Moderator: Nathan Nielsen, Global Sepsis Alliance, United States of America
10:30h Berlin	The Impact of the Pathogen and the Host Response on Survival Jennifer Muszynski, Nationwide Children's, United States of America
10:45h Berlin	Sepsis Immune Endotypes Mihai Netea, Radboud UMC, The Netherlands
11:00h Berlin	The Effect of Risk Stratification and Timing of Host-Directed Therapy Evangelos J. Giamarellos-Bourboulis, European Sepsis Alliance, Greece
11:15h Berlin	The Pros of Platform Trials Eirini Christaki, University of Ioannina, Greece
11:30h Berlin	The Cons of Platform Trials Niels Riedemann, CEO InflaRx, Germany

S9: Biomarkers and Antimicrobial Stewardship - The Synergies to Diagnose Sepsis and to Prevent AMR

Wednesday, April 26 12:00h Berlin Time (click to see your local time zone)	Moderator: Louise Thwaites, Global Sepsis Alliance, Vietnam
12:00h Berlin	The Key Drivers of Antimicrobial Resistance to be announced
12:15h Berlin	The Potential and Barriers to Antibiotic Stewardship Ron Daniels, Infection Management Coalition, United Kingdom
12:30h Berlin	The Potential of Biomarkers for Antimicrobials - Use and Diagnosis Evdoxia Kyriazopoulou, National and Kapodistrian University of Athens, Greece

S9: Biomarkers and Antimicrobial Stewardship - The Synergies to Diagnose Sepsis and to Prevent AMR

12:45h Berlin	The Role of Biomarkers for Risk Stratification Peter Pickkers, Radboud UMC, The Netherlands
13:00h Berlin	The Evidence for the Role of Transcriptional Diagnostics Tom van der Poll, Amsterdam UMC, The Netherlands

S10: Lessons from the Pandemic to Fight Common Infections and Sepsis

Wednesday, April 26 13:30h Berlin Time (click to see your local time zone)	Moderator: Detlev Ganten, Charité University Hospital, Germany
13:30h Berlin	Learnings to Leverage the Fight Sepsis from an Integrated Health Service Perspective Rudi Eggers, World Health Organization, Switzerland (to be confirmed)
13:33h Berlin	Preparing the EU to Manage Infections and Cross-Border Health Threats More Effectively Velina Pendolovska, Directorate-General for Health and Food Safety, European Commission, Luxembourg
13:36h Berlin	Lessons for Fighting Infections and Sepsis in Resource-Limited Settings John Adabie Appiah, World Health Organization Regional Office for Africa, Ghana (to be confirmed)
13:39h Berlin	The Perspective of a Bedside Intensivist and the Potential of Telemedicine for Non-Covid Sepsis Wiltrud Abels, Sepsis Stiftung, Germany (to be confirmed)
13:42h Berlin	Learnings by a Caregiver and Researcher in Vietnam Louise Thwaites, Asia Pacific Sepsis Alliance, Vietnam
13:45h Berlin	Lessons for Clinical Research and Intensive Care Medicine John Marshall, Unity Health, Canada
13:48h Berlin	Discussion by the Panelists

S11: Understanding and Improving Long-term Outcomes After Sepsis and COVID-19

Wednesday, April 26 15:00h Berlin Time (click to see your local time zone)	Moderator: Imrana Malik, Global Sepsis Alliance, United States of America
15:00h Berlin	The Burden of Long-term Consequences of Sepsis and COVID-19 Jamie Rylance, World Health Organization, Switzerland
15:15h Berlin	What Is Known on the Pathogenesis of Long-Term Sequelae by Infections and Sepsis? Joost Wiersinga, Amsterdam UMC, The Netherlands
15:30h Berlin	Toward Tailored Care for Sepsis Survivors Erin Carlton, University of Michigan, United States of America
15:45h Berlin	How Can We Mitigate Post-Sepsis and Post-COVID-Morbidity? Hallie Prescott, University of Michigan, United States of America
16:00h Berlin	Translating Post-Sepsis Care to Post-COVID-19 Care - The Role of Healthcare Systems Stephanie Taylor, Atrium Health, United States of America

S12: Neonatal Sepsis Platforms and Guidelines

Wednesday, April 26 16:30h Berlin Time (click to see your local time zone)	Moderator: Odiraa Nwankwor, Sidney Kimmel Medical College, United States of America
16:30h Berlin	Disproportionate Burden of AMR Excess Deaths Experienced by Neonates in Low- and Middle-Income Countries Ramanan Laxminarayan, University of Washington, United States of America
16:45h Berlin	Incidence and Burden of Neonatal Sepsis in South Africa Rudzani Mashau, The National Institute For Communicable Diseases Of South Africa, South Africa
17:00h Berlin	Neonatal Sepsis and Treatment Challenges in India Jeeva Sankar, All India Institute Of Medical Sciences, India

S12: Neonatal Sepsis Platforms and Guidelines

17:15h Berlin	Invasive Bloodstream Infections and AMR in Africa: Approaches to Treatment and Next Steps Uduak Okomo, MRC Unit, The Gambia
17:30h Berlin	Next Steps for NeoSep Julia Bielicki, St George's University of London, United Kingdom

S13: The Impact of Survivors and Family Members to Improve Sepsis Awareness and Advocacy

Wednesday, April 26 18:00h Berlin Time (click to see your local time zone)	Moderator: Michael Clarke, European Sepsis Alliance, Belgium
	Panel Discussion Participants: Ciarán Staunton, End Sepsis, United States of America Melissa Mead, UK Sepsis Trust, United Kingdom Ken Rothfield, Texas Health, United States of America Luis Antonio Gorordo Del Sol, Sepsis Mexico, Mexico Doireann O'Mahony, Irish Sepsis Foundation, Ireland Mary Steele, Sepsis Australia Consumer Advocacy Group & Queensland Paediatric Sepsis Program, Australia

S14: Maternal Sepsis: Why Is It Still in the Top 3 for Global Incidence of Sepsis?

Wednesday, April 26 19:30h Berlin Time (click to see your local time zone)	Moderator: Queen Dube, Queen Elizabeth Central Hospital, Malawi
19:30h Berlin	An Epidemiology-Based Assessment of the Problem Alan Tita, University of Alabama at Birmingham, United States of America
19:33h Berlin	Sharing the Story Video
19:36h Berlin	Empowering Health Workers - Are We Getting It Right? Address Malata, Malawi University of Science and Technology, Malawi

S14: Maternal Sepsis: Why Is It Still in the Top 3 for Global Incidence of Sepsis?

19:39h Berlin	Early Detection and Management - What Does It Mean for Maternal Sepsis? Maria Fernanda Escobar Vidarte, The International Federation of Gynecology and Obstetrics, Colombia
19:42h Berlin	Can Changing the Health System's Approach Improve Maternal Sepsis Outcomes in Zambia and Beyond? Lackson Kasonka, University Teaching Hospital, Zambia (to be confirmed)
19:45h Berlin	Can Changing the Health System's Approach Improve Maternal Sepsis Outcomes in the Philippines and Beyond? Zenaida Recidoro, Department of Health, The Philippines
19:48h Berlin	Discussion by the Panelists

S15: Harnessing the Media to Advance the Global Fight Against Sepsis

Wednesday, April 26 21:00h Berlin Time (click to see your local time zone)	Moderator: Lord Michael Grade, House of Lords, United Kingdom
21:00h Berlin	SESSION STILL UNDER
21:15h Berlin	CONSTRUCTION
21:30h Berlin	
21:45h Berlin	
22:00h Berlin	

S16: An Update on Research on Sepsis

Wednesday, April 26 22:30h Berlin Time (click to see your local time zone)	Moderator: Flavia Machado, Latin American Sepsis Institute, Brazil
22:30h Berlin	Why Criteria for Diagnosing Pediatric Sepsis and the Social Determinants of Health Matter Kusum Menon, University of Ottawa, Canada (to be confirmed)
22:45h Berlin	Impact of Time to Source Control on Sepsis Mortality Katherine Reitz, University of Pittsburgh Medical Center, United States of America (to be confirmed)
23:00h Berlin	Does Rapid Sepsis Treatment Increase the Risk of Antimicrobial Resistance? Hallie Prescott, University of Michigan, United States of America (to be confirmed)
23:15h Berlin	Intravenous Vitamin C in Sepsis: the LOVIT Study François Lamontagne, Université de Sherbrooke, Canada (to be confirmed)
23:30h Berlin	Balanced Crystalloids or Saline for Sepsis? Naomi Hammond, The George Institute for Global Health, Australia (to be confirmed)
23:45h Berlin	Restrictive or Liberal Fluid in Sepsis: the CLOVERS Study Nathan Shapiro, Harvard Medical School, United States of America (to be confirmed)

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The 4th World Sepsis Congress – One Global Health Threat: Sepsis, Pandemics, and Antimicrobial Resistance is organized by the Global Sepsis Alliance, initiator of <u>World Sepsis Day</u> and <u>World Sepsis Congress.</u>

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