



Continuing Education, Inc
UNIVERSITY AT SEA™

Presents

**Essential Topics in Critical Care Medicine and
COVID-19: A Critical Review - Looking Back and
Looking Ahead**

Amsterdam, The Netherlands

May 12 - 24, 2023

With

**Mervyn Singer, MB, BS, MD, FRCP(Lon),
FRCP(Edin), FFICM**

and

Charles L. Sprung MD, JD, MCCM, FCCP

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Essential Topics in Critical Care Medicine and COVID-19: A Critical Review - Looking Back and Looking Ahead

May 12 - 24, 2023

Agenda

May 12, 2023	6:30pm – 7:30pm	Informal Meet and Greet – Schooner Bar, 6 th Floor – Family and Friends Invited
May 13, 2023 Educational Sessions Adriatic Conference Room 5 th Floor	Time	Topic
	9:00am – 10:00am	Identifying a sick patient – Dr. Singer
	10:00am – 11:00am	Antibiotics for sepsis: who and when? – Dr. Singer
	11:00am – 12 Noon	Novel biomarkers for infection, sepsis and organ dysfunction – Dr. Singer
May 14, 2023 Educational Sessions Adriatic Conference Room 5 th Floor	Time	Topic
	9:00am – 10:00am	Pulmonary edema and acute respiratory distress syndrome (ARDS) – Dr. Sprung
	10:00am – 11:00am	Managing acute heart failure – Dr. Singer
	11:00am – 12 Noon	Update on Surviving Sepsis Campaign Guidelines for sepsis and septic shock – Dr. Sprung
	12 Noon – 1:00pm	Lunch on your own
	1:00pm - 2:00pm	Case studies of metabolic acidosis – Dr. Singer
	2:00pm – 3:00pm	ICU triage – Dr. Sprung
	3:00pm – 4:00pm	Managing diabetic emergencies – Dr Singer
May 15, 2023		No events today
May 16, 2023	5:30pm – 6:30pm	Networking and Case Discussions – Vintages, 6 th Floor
May 17, 2023		No events today
May 18, 2023	5:30pm – 6:30pm	Networking and Case Discussions – Vintages, 6 th Floor
May 19, 2023 Educational Sessions Adriatic Conference Room 5 th Floor	Time	Topic
	9:00am – 10:00am	How to improve your communication skills? – Dr. Sprung
	10:00am – 11:00am	Challenging dogma and long-established practices in medicine – Dr Singer
	11:00am – 12 Noon	Pandemics and mass disasters: Preparing your institution for mass casualties and multiple casualty events – Dr. Sprung
	12 Noon – 1:00pm	Lunch on your own
	1:00pm - 2:00pm	End-of-life decision making in the ICU – Dr. Sprung
	2:00pm – 3:00pm	Ethical case studies – Dr. Singer
	3:00pm – 4:00pm	Why physicians should not be involved in physician-assisted suicide and euthanasia–Dr Sprung
May 20, 2023	5:30pm – 6:30pm	Networking and Case Discussions – Vintages, 6 th Floor

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Agenda Continued

May 21, 2023	5:30pm – 6:30pm	Networking and Case Discussions – Vintages, 6 th Floor
May 22, 2023	No Events Today	
May 23, 2023 Educational Sessions Adriatic Conference Room 5th Floor	Time	Topic
	9:00am – 10:00am	Adult ICU Triage During COVID-19: recommendations to improve survival – Dr. Sprung
	10:00am – 11:00am	A race against time – responding to the COVID pandemic – Dr Singer
	11:00am – 12 Noon	COVID-19: A Critical Review - Looking Back and Looking Ahead, with a Focus on the Israeli
	12 Noon – 1:00pm	Lunch on your own
	1:00pm - 2:00pm	Excellence in medicine – Dr. Sprung
	2:00pm – 3:00pm	Back to the future – ‘new’ ideas are often re-discovered decades or centuries later – Dr Singer
May 26, 2023	Have a Safe Trip Home	

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Faculty

Mervyn Singer, MB, BS, MD, FRCP(Lon), FRCP(Edin), FFICM: Professor of Intensive Care Medicine, University College London, London, UK; Head, Research Department of Clinical Physiology, Division of Medicine, Director, Bloomsbury Institute of Intensive Care Medicine < London, UK

Mervyn Singer is Professor of Intensive Care Medicine at University College London, UK. He trained in medicine at St Bartholomew's Hospital Medical College, London and then undertook subsequent junior doctor posts in hospitals around the London area. He performed his doctorate research thesis developing a novel hemodynamic monitoring tool using esophageal Doppler ultrasonography; the subsequent technology (CardioQ) is now used in >30 countries worldwide. He then began formal critical care training in an academic rotation at University College London in 1989 and was appointed Professor in 2001.

He is Director of the Bloomsbury Institute of Intensive Care Medicine and runs a research group totaling 15 people performing bench-to-bedside research. Specific interests include sepsis and multi-organ failure, tissue oxygenation, infection, novel diagnostics and monitoring. Funding comes from the Wellcome Trust, UK Medical Research Council, European Union, and UK National Institute of Health Research (NIHR) among others. He has published widely, with multiple papers in the New England Journal of Medicine, Lancet and JAMA. Apart from the above-mentioned esophageal Doppler monitor, he has developed a novel tissue PO₂ monitor (gauging the adequacy of tissue perfusion) entering clinical trials in 2016, and a novel drug inducing a 'suspended animation' state intended for ischaemia-reperfusion injury that is scheduled to go into man also in 2016. He is also the clinical lead investigator of studies on novel diagnostics for sepsis and infection, and the first intensivist to be appointed a Senior Investigator by the NIHR.

He lectures widely and has delivered four plenary lectures at the annual Congresses of the European Society of Intensive Care Medicine and the US Society of Critical Care Medicine. He has authored/edited several textbooks including the Oxford Textbook of Critical Care and the Oxford Handbook of Critical Care. He is currently Editor-in-Chief of Intensive Care Medicine Experimental (ICMx), co-chair of the new Sepsis Redefinitions Task Force, Council Member of the International Sepsis Forum, Critical Care Theme Lead of the NIHR Health Informatics Collaborative, and does 13 clinical on-call weeks per annum in the ICU.

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Charles L. Sprung MD, JD, MCCM, FCCP: Director Emeritus, General Intensive Care Unit, Department of Anesthesiology and Critical Care Medicine, Hadassah Hebrew University Medical Center; Professor of Medicine and Critical Care Medicine,
Jerusalem, Israel

Professor Charles Sprung is the Director Emeritus of the General Intensive Care Unit in the Department of Anesthesiology and Critical Care Medicine at Hadassah Hebrew University Medical Center in Jerusalem, Israel where he has worked for the last 33 years. He was previously the Director of the Section of Critical Care Medicine in the Department of Medicine at the VA Medical Center and the University of Miami for 13 years. He graduated the University of Miami School of Law in 1988. Professor Sprung was the Chairman of the Committee on Ethics Section of the US Society of Critical Care Medicine and of the European Society of Intensive Care Medicine (ESICM) for many years.

Professor Sprung has been active in research particularly studying sepsis, septic shock and ethical issues for more than 35 years. He was a member of the ACCP/SCCM consensus conference on definitions of sepsis in 1991 and a member of the Surviving Sepsis Campaign guidelines from 2002 to the most recent guidelines in 2021.

He has participated in many sepsis studies including those of encephalopathy and treatments with corticosteroids, monoclonal antibodies to endotoxin and tumor necrosis factor, interleukin-1 receptor antagonist, antithrombin III, tissue factor pathway inhibitor, human activated protein C and recombinant platelet-activating factor. He has also served as a member of Clinical Evaluation and Data Safety and Monitoring Committees for many phase III, multicenter sepsis trials. Professor Sprung coordinated the prospective, multicenter European trial of corticosteroids in septic shock, Corticus. He was the Coordinator of several multi-center studies in ethics including End of Life Decision Making and Procedures in European Intensive Care Units - ETHICUS, Systematic Study of General Ethical Principles Involved in End of Life Decisions for Patients in European Intensive Care Units - ETHICATT, Triage Decision Making for the Elderly in European Intensive Care units - ELDICUS and Worldwide Consensus for End of Life Decisions - Welpicus.

The Hadassah General ICU has treated more terror victims than any other ICU in the world. In addition, Professor Sprung served as the Chairman of the European Society of Intensive Care Medicine Ethics Section Task Force for ICU Triage for Disasters and Pandemic Influenza which produced recommendations for the 2009 H1N1 influenza pandemic and he was a member of the recent American College of Chest Physicians Task Force for Mass Critical Care during a Disaster which also published recommendations. More recently, he was the first author of a paper written by an international group of triage experts on a new algorithm for triaging patients to the ICU during the Coronavirus Disease 2019 Pandemic and the Chairman of the Medical Subcommittee that developed the National policy of the State of Israeli for Triage Decisions for Severely Ill Patients During the COVID-19 Pandemic.

Professor Sprung has been or continues to be a member of several international committees of medical organizations, world health organizations and governmental agencies. He has published extensively on all of the above and multiple ICU areas with more than 350 original articles and 50 book chapters. He received the 2011 ESICM Medal for outstanding contributions to both ESICM and to the development of Intensive Care Medicine worldwide and the Roger C. Bone Advances in End-of-Life Care Award from the CHEST Foundation of the American College of Chest Physicians in October 2013. He was the 2015 Bnei Zion Prize Recipient for Science & Medicine- an award recognizing outstanding Anglo Olim who encapsulate the spirit of modern-day Zionism by contributing in a significant way towards the State of Israel.

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Mervyn Singer, MB, BS, MD, FRCP(Lon), FRCP(Edin), FFICM

Dr. Singer has reported no relationships with ineligible companies and has agreed to identify any off-label or investigational uses of pharmaceuticals or equipment referenced during all presentations.

Charles L. Sprung MD, JD, MCCM, FCCP

Dr. Sprung has reported no relationships with ineligible companies and has agreed to identify any off-label or investigational uses of pharmaceuticals or equipment referenced during all presentations.

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Topics and Objectives

The purpose of the educational activity is to provide updated information on the diagnosis and management of serious conditions often requiring life support and intensive monitoring. This activity will enable members of the interprofessional healthcare team to deepen their understanding of topics like respiratory failure, cardiovascular emergencies, neurological crises, renal failure, shock, and trauma. Case studies will be used to demonstrate ethical issues that can arise in critical care

- Edema and Acute Respiratory Distress Syndrome (ARDS)
 - Differentiate cardiac and non-cardiac pulmonary edema and the different methods used to treat them
- Update of the Surviving Sepsis Campaign Guidelines for severe sepsis and septic shock
 - Discuss the most recent 2021 recommendations for patients with sepsis and septic shock and the reasons for these recommendations with a focus will be on fluid, vasopressor, steroid, and glucose control therapy and ulcer and deep venous thrombosis prophylaxis
- ICU triage
 - Identify those patients who benefit most from ICU admission and make difficult triage decisions
 - Present the most recent literature related to ICU triage to help physicians make better ICU triage decisions
- How to improve your communication skills?
 - Review the importance of communication
 - Develop ways to improve communication skills with particular emphasis on communication in end of life situations
- Pandemics and mass disasters
 - Discuss new recommendations have been published for dealing with pandemics and mass disasters
 - Review recent recommendations for preparing for pandemics and other disasters
- Identifying religious and cultural differences in making end of life decisions in the ICU
 - Review the religious and cultural differences noted for ICU end of life decisions and the differences in end of life decision making around the world
- Excellence in Medicine
 - Present the 10 characteristics which make physicians excellent and help health care professionals improve their skills in providing their patients the best possible care
- Why physicians should not be involved in Physician-Assisted Suicide and Euthanasia
 - Present the main reasons why physicians should not be involved in Physician-Assisted Suicide and Euthanasia
- Adult ICU Triage During the Coronavirus Disease 2019 Pandemic: Recommendations to Improve Survival
 - Explain how the new recommendations were developed to ensure fairness, enhance consistency, decrease provider moral distress and identify those patients whose survival can be improved

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- COVID-19: A Critical Review - Looking Back and Looking Ahead, with a Focus on the Israeli Approach to the Pandemic
 - Describe how the Israeli National policy for triage decisions for severely ill patients during the COVID-19 pandemic was developed, emphasizing the ethical, legal, and religious principles used
- Identifying a sick patient
 - Improve recognition skills and early management
- Antibiotics for sepsis: who and when?
 - Update the latest evidence of antibiotics for sepsis
 - provide a balanced, thoughtful approach to prescribing
- Novel biomarkers for infection, sepsis and organ dysfunction
 - Demonstrate what new diagnostic technology is on the horizon
- Managing acute heart failure
 - Adopting a physiology-based approach to heart failure
- Case studies of metabolic acidosis
 - Explain underlying pathophysiology using case studies
- Ethical case studies in real-life cases
 - Appreciation of ethical, moral and medicolegal difficulties in challenging cases