

*** BARCELONA ***

Auditori MGS Entrença 325–335 Barcelona, Spain

16/17 OCTOBER Join us in the stunning city of Barcelona for the 29th International Symposium on Infections in the Critically III Patient, where innovation meets inspiration.

This premier event promises an unparalleled blend of groundbreaking scientific lectures, world-renowned experts, and the latest advancements in critical care medicine, with a spotlight on sepsis and respiratory infections.

Discover the future of critical care through engaging discussions on:

- Sepsis Guideliness
- Co-adjuvant Therapies
- Clinical Trials
- Biomarkers
- Emerging Treatments

Set against the backdrop of Barcelona's vibrant culture and charm, this symposium will inspire new ideas, foster collaborations, and provide invaluable insights that could shape the future of critical care.

The Organizing Committee.



ORGANIZING COMMITTEE

Antonio Artigas - Barcelona (Spain)
Ricard Ferrer - Barcelona (Spain)
Ignacio Martín-Loeches - Dublin (Ireland)
Michael Niederman - New York (USA)
Antoni Torres - Barcelona (Spain)

SCIENTIFIC COMMITTEE

Massimo Antonelli - Milan (Italy)
Thierry Calandra - Laussane (Switzerland)
Evangelos Giamarellos (Greece)
Pedro Povoa - Lisboa (Portugal)
Paula Ramírez - Valencia (Spain)
Otavio Ranzani (Spain)

09:00 - 09:15h Opening Remarks

Session 1: Epidemiology and Pathophysiology 09:15 - 10:30h

Co-Chairs:

Antonio Artigas. Intensive Care Medicine Department. Corporació Sanitaria Universitaria Parc Tauli, Institut d'Investigació i Innovació Parc Tauli, CIBER. Enfermedades Respiratorias, Autonomous University of Barcelona, Spain).

Silvia de Rosa. Anaesthesiologist and Intensivist at Department of Anaesthesia and Intensive Care, Santa Chiara Regional Hospital, APSS Trento, Italy.

09:15 - 09:30h The Burden of Sepsis in Europe:

Trends and Challenges

Evangelos Giamarellos. Professor of Internal Medicine at the Medical School of the National and Kapodistrian University of Athens, Greece.

09:30 – 09:45h Sepsis in Immunocompromised Patients: **Diagnostic Challenges**

Jhalmar Boumar. Internist acute medicine, pharmacologist, immunologist. University of Groningen, The Netherlands.

09:45 - 10:00h Sepsis in Women: Exploring Sex-Based Differences in Outcomes

Dr. Marlies Ostermann. King's College London. Guy's & St. Thomas' Hospital Department of Intensive Care. London, UK

10:00 - 10:15h SOFA2 from the inside

Otavio Ranzani. Barcelona Institute for Global Heath, ISGlobal. Barcelona, Spain.

10:15 - 10:30h **Discussion & Audience Q&A** (***)



10:30 - 11:30h Session 2: Diagnostics and Biomarkers

Co-Chairs:

Marlies Ostermann. King's College London. Guy's & St. Thomas' Hospital Department of Intensive Care. London, UK. Antonio Artigas. Intensive Care Medicine Department. Corporació

Sanitaria Universitaria Parc Tauli, Institut d'Investigació i Innovació Parc Tauli, CIBER, Enfermedades Respiratorias, Autonomous University of Barcelona, Spain.

10:30 - 10:45h The Role of Biomarkers in Diagnosing and **Prognosticating Sepsis-Associated AKI**

Dr. Melanie Meersch-Dini. Anesthesiologist and intensivist at the University Hospital Münster, Germany,

10:45 – 11:00h Circulating Histones as Clinical Biomarkers in sepsis Jose L. Garcia-Gimenez. Researcher at Centro de Investigaciones BioMédica, Instituto de Salud Carlos III de Madrid, Spain

11:00 – 11:15h Companion diagnostics for Sepsis treatment: Challenges and Opportunities

Ricard Ferrer. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

11:15 - 11:30h **Discussion & Audience O&A** (***)



11:30 – 11:45h Coffee Break and Exhibition visit



11:45 - 12:30h Session 3: Pro-Con. Benefits of Guideline-Based Sepsis Management

Chair:

Ricard Ferrer. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

11:45 - 12:00h **Pro (EBM approach)**

Massimo Antonelli. Dept. of Anesthesiology Intensive Care and Emergency Medecine. School of Specialist in Anesthisiology and Intesive Care Medicine, Fondazione Policlinico Universitario A. Gemelli IRCCS. Università Cattolica del Sacro Cuore, Rome, Italy.

12:00 - 12:15h Con (Beyond the Guidelines)

Silvia de Rosa. Anaesthesiologist and Intensivist at Department of Anaesthesia and Intensive Care, Santa Chiara Regional Hospital, APSS Trento, Italy.

12:15 – 12:30h Discussion & Audience Q&A



12:30 - 13:30h Symposium

13:30 - 14:00h Lunch

14:00 - 15:00h Session 4: Clinical Trials and Implementation Science

Co-Chairs:

Ricard Ferrer. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

Melanie Meersch-Dini. Anesthesiologist and intensivist at the University Hospital Münster, German.

14:00 – 14:15h Lessons Learned from Recent Sepsis Trials in Europe Marlies Ostermann. King's College London. Guy's & St. Thomas' Hospital Department of Intensive Care. London, UK.

14:15 – 14:30h Bridging the Gap Between Research and Practice: **Implementation Strategies**

Otavio Ranzani. Barcelona Institute for Global Heath, ISGlobal. Barcelona, Spain.

14:30 – 14:45h Antibiotic Stewardship in the ICU: Striking the Right **Balance**

Paula Ramirez. President of the Scientific Committee of the Spanish Society of Intensive Care Medicine and Coronary Units (SEMICYUC). Intensivist at the La Fe University Hospital in Valencia, Spain.

14:45 - 15:00h **Discussion & Audience Q&A** (***)



15:00 - 15:45h Session 5: Pro-Con. Multimodal vasopressor support

Chair:

Ignacio Martin-Loeches. Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.

15:00 - 15:15h Pro

Marc Leone. Anesthesiology and Critical Care Medicine Department, Nord Hôpital, Marseille, France.

15:15 – 15:30h Con: Only refractory patients

Olfa Hamzaoui. Service de Médécine Intensive-Reanimation, Hopital Rober Debré, Université de Reims, France.

15:30 – 15:45h Discussion & Audience Q&A



15:45 - 16:45 Symposium

16:45 - 17:00 Coffee Break

17:00 - 18:00h Session 6: Future Directions in Sepsis Research

Co-Chairs:

Ricard Ferrer. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

Olfa Hamzaoui. Service de Médecine Intensive-Reanimation. Hopital Rober Debré. Université de Reims. France.

17:00 – 17:15h Advances in Personalized Medicine for Sepsis

Evangelos Giamarellos. Professor of Internal Medicine at the Medical School of the National and Kapodistrian University of Athens, Greece.

17:15 – 17:30h Hemodynamic Monitoring: Current Practice and New **Perspectives**

Jean-Louis Teboul. The rapeutics and Critical Care Medicine. University Paris-South. Medical ICU of the Bicêtre University Hôpital Paris, France.

17:30 – 17:45h Extracorporeal support for sepsis: data from trials and large registries

María Martínez. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

17:45 – 18:00h **Discussion & Audience Q&A** (💬)



Panel Discussion: The Role of New Antimicrobials in Sepsis 18:00 - 18:30h Treatment: Are They Truly Making a Difference?

Ignacio Martin-Loeches. Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.

Antoni Torres. Respiratory and Intensive Care Unit. University of Barcelona, Hospital Clinic of Barcelona, Spain.

Ricard Ferrer. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

Paula Ramirez. President of the Scientific Committee of the Spanish Society of Intensive Care Medicine and Coronary Units (SEMICYUC). Intensivist at the La Fe University Hospital in Valencia, Spain.

Open discussion among all speakers and audience.

08:30 - 09:30h Session 1: Epidemiology and Pathophysiology of Pneumonia

Co-Chairs:

Ignacio Martin-Loeches. Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.

Rosario Menéndez Villanueva. Senior Researcher, Instituto de Investigación. Hospital La Fe de Valencia. Spain.

08:30 – 08:45h Global Burden of Pneumonia: Lessons from Recent Data

Luis Felipe Reyes. Global Director, Senior Clinical Research and Development - Associate Professor - Scientific Leadership Manager. University of Oxford, England, UK.

08:45 – 09:00h The Role of Host-Pathogen Interactions in Pneumonia

Thierry Calandra. IService of Immunology and Allergy, and Center for Human Immunology Laussane. Lausanne University Hospital, University ofLaussane, Switzerland.

09:00 – 09:15h Severe Pneumonia in ICU: Challenges and Outcomes

Rosario Menéndez Villanueva. Senior Researcher, Instituto de Investigación. Hospital La Fe de Valencia. Spain.

09:15 – 09:30h Pneumonia and Immunosuppression: A Complex Relationship

Ignacio Martin-Loeches. Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.

09:30 - 09:45h **Discussion & Audience Q&A**

09:45 - 10:45h Session 2: Diagnostics and Biomarkers in Pneumonia in Severe CAP/VAP

Co-Chairs:

Pedro Povoa. Unidade de Cuidados Intensivos Polivalente, Hospital de Sao Francisco Xavier. CHLO Lisboa, Portugal.

09:45 – 10:00h Advances in Rapid Diagnostic Tools for Pneumonia Jordi Vila. Senior Consultant. Biomedical Diagnostic Centre – Microbiology. Hospital Clinic of Barcelona, Spain

10:00 – 10:15h Role of Imaging in Pneumonia Management

Marcelo Sánchez. Cardiothoracic Radiology. Hospital Clinic of Barcelona, Spain

10:15 - 10:30h Procalcitonin and Other Biomarkers in Pneumonia: Where Are We Now?

Pedro Povoa. Unidade de Cuidados Intensivos Polivalente, Hospital de Sao Francisco Xavier. CHLO Lisboa, Portugal.

10:30 – 10:45h Discussion & Audience Q&A

10:45 - 11:00h

Coffee Break



11:00 - 12:15h

Session 3: Severe Aspiration Pneumonia

Co-Chairs:

Michael Niederman. Division of Pulmonary and Critical Care Medicine - New York Presbyterian/Weill Cornell Medical Center. New York USA.

Rosario Menéndez Villanueva. Senior Researcher, Instituto de Investigación. Hospital La Fe de Valencia. Spain.

11:00 - 11:15h Epidemiology of Aspiration Pneumonia

Dr. Jordi Almirall. Specialist in Internal Medicine Lloc de treball Hospital of Mataró, Barcelona.

11:15 - 11:30h Role of Bronchoscopy in Aspiration Pneumonia

Antoni Torres. Respiratory and Intensive Care Unit. University of Barcelona, Hospital Clinic of Barcelona, Spain.

11:30 – 11:45h Physiopathology of Aspiration Pneumonia

Dr. Pere Clavé. General and digestive surgeon, professor at the UAB and director of research and innovation at the CSdM Hospital de Mataró, Spain,

11:45 – 12:00h Antibiotic Treatment in Aspiration Pneumonia

Michael Niederman. Division of Pulmonary and Critical Care Medicine - New York Presbyterian/Weill Cornell Medical Center, New York, USA.

12:00 – 12:15h Discussion & Audience Q&A



12:15-13:15h **Symposium**

13:15 - 14:15h Lunch Break

14:15 - 14:45h Talent Arena: best poster session

14:45 - 15:45h

Session 4: Antibiotic Stewardship and Resistance in Pneumonia

Co-Chairs:

Ignacio Martin-Loeches. Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.

Jordi Vila. Senior Consultant. Biomedical Diagnostic Centre -Microbiology. Hospital Clinic of Barcelona, Spain.

14:45 – 15:00h Optimizing Antibiotic Use in Pneumonia: **Current Guidelines**

Davide Calabretta. Anesthesiologist at Ospedale Civile di Legnano. Milan, Italy. PhD candidate at University of Spain.

15:00 – 15:15h Emerging Resistance in Pathogens Causing Pneumonia

Jordi Vila. Senior Consultant. Biomedical Diagnostic Centre – Microbiology, Hospital Clinic of Barcelona, Spain.

15:15 – 15:30h New HAP/VAP Phenotypes

Antoine Roquilly. Anesthesia, Internal Medicine, Infectious Medicine. University Hospital of Nantes, France

15:30 – 15:45h **Discussion & Audience Q&A** (***)

Session 5: Future Directions in Pneumonia Research 15:45 - 16:45h

Co-Chairs:

Paula Ramirez. Presidente of the Scientific Committee of the Spanish Society of Intensive Care Medicine and Coronary Units (Semicyuc). Intensivist at La Fe University Hospital in Valencia, Spain. Ricard Ferrer. Intensive Care Department, Vall d'Hebron University Hospital of Barcelona, Spain.

15:45 - 16:00h Personalized Medicine in Pneumonia: The Future of Care

Antoni Torres. Respiratory and Intensive Care Unit. University of Barcelona, Hospital Clinic of Barcelona, Spain.

16:00 – 16:15h Harnessing Al for Pneumonia Research and Management

Ignacio Martin-Loeches. Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.

16:15 – 16:30h **Discussion & Audience Q&A**



16:30h **Closing Remarks**



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