

*** 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)

08:45 - 09:00h Opening Remarks

09:00 - 10:15h Session 1: Epidemiology and Pathophysiology

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.

09:00 – 09:15h 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.

09:15 – 09:30h Sepsis in Immunocompromised Patients: Diagnostic Challenges

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

$09{:}30-09{:}45h$ 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

09:45 - 10:00h **SOFA2 from the inside**

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

10:00 - 10:15h Discussion & Audience Q&A



10:15 - 11:15h 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.

10:15 – 10:30h The Role of Biomarkers in Diagnosing and Prognosticating Sepsis-Associated AKI

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

10:30 – 10:45h 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

10:45 – 11:00h Companion diagnostics for Sepsis treatment: Challenges and Opportunities

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

11:00 - 11:15h Discussion & Audience Q&A



11:15 – 11:30h Coffee Break and Exhibition visit

11:30 - 12:00 Symposium

12:00 - 12:45h Session 3: Pro-Con. Benefits of Guideline-Based Sepsis Management

Chair:

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

12:00 – 12:15h **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.

12:15 - 12:30h Con (Beyond the Guidelines)

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

12:30 - 12:45h Discussion & Audience Q&A (***)

12:45 - 13:45h Symposium

13:45 – 14:15h Lunch

14:15 - 15:15h 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.

14:15 – 14:30h 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.

14:30 – 14:45h Bridging the Gap Between Research and Practice: **Implementation Strategies**

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

14:45 - 15:00h 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.

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



15:15 - 16:00h Session 5: Pro-Con. Multimodal vasopressor support

Chair:

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

15:15 - 15:30h Pro

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

15:30 – 15:45h Con: Only refractory patients

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

15:45 – 16:00h Discussion & Audience Q&A



16:00 - 17:00 Symposium

17:00 - 17:15 Coffee Break 🖑



17:15 - 18:15h 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.

17:15 – 17:30h 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.

17:30 – 17:45h 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.

17:45 – 18:00h Extracorporeal support for sepsis: data from trials and large registries

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

18:00 – 18:15h **Discussion & Audience Q&A**



Panel Discussion: The Role of New Antimicrobials in Sepsis 18:15 - 18:45h 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

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

08:45 - 09:00h A current view of microbial resistances in HAP/VAP José Garnacho. Intensive Care Clinical Service, Virgen Macarena University Hospital in Sevilla, Spain.

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.

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.

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



11:00-12:00h

Symposium

12:00 - 13:15h

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.

12:00 - 12:15h Epidemiology of Aspiration Pneumonia

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

12:15 - 12:30h Role of Bronchoscopy in Aspiration Pneumonia

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

12:30 – 12:45h 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,

12:45 – 13:00h Antibiotic Treatment in Aspiration Pneumonia

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

13:00 – 13:15h Discussion & Audience Q&A

13:15 – 14:15h Lunch Break

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

14:45-15:15h Symposium

15:15 - 16:15h Session 4: Antibiotic Stewardship and Resistance in Pneumonia

Co-Chairs:

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

Jordí Vila. Sĕnior Consultant. Biomedical Diagnostic Centre – Microbiology. Hospital Clinic of Barcelona, Spain.

15:15 – 15:30h Optimizing Antibiotic Use in Pneumonia: Current Guidelines

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

15:30 – 15:45h Emerging Resistance in Pathogens Causing Pneumonia

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

15:45 - 16:00h New HAP/VAP Phenotypes

José Garnacho. Intensive Care Clinical Service, Virgen Macarena University Hospital in Sevilla, Spain.

16:00 - 16:15h Discussion & Audience Q&A

Session 5: Future Directions in Pneumonia Research 16:15 - 17:00h

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.

16:15 - 16:30h Personalized Medicine in Pneumonia: The Future of Care

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

16:30 – 16:45h Harnessing Al for Pneumonia Research and Management

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

16:45 - 17:00h Discussion & Audience Q&A



Closing Remarks 17:00h

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