

*** BARCELONA ***

Auditori MGS Entrença 325–335 Barcelona, Spain

16/17 OCTOBER Join us 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

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) Evangelos Giamarellos (Greece) Pedro Povoa - Lisboa (Portugal) Paula Ramírez - Valencia (Spain) Otavio Ranzani (Spain) October 15th - Wednesday

PREVIOUS ACTIVITIES

11.00-18.00h

FUNGICRIT

11:00 - 12:00h Welcome

12:00 – 12:10h Introduction and objectives

12:10 - 12:30h Introduction to fungal infection

12:30 – 13:00h Diagnosis of Invasive Fungal Infection

13:00 – 13:30h Treatment of Invasive Fungal Infection

13:30 – 14:00h Pharmacotherapeutic challenges in critically

ill patients

14:00 - 15:00h **Lunch**

15:00 – 17:00h Interactive discussion of 6 illustrative clinical cases

17:00 – 17:30h Artificial Intelligence in Critical Patients:

How Can It Help Us Today?

17:30 – 18:00h Conclusions and closing

With the collaboration of mundipharma



10.00h

2ND ACTIVITY

With the collaboration of Palex

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. Posters and Exhibition visit 🖑

11:15 - 11:30h Symposium

With the collaboration of KOTOR - irex

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. From Evidence to Practice: Emerging Solutions for Peritoneal Fungal Infections

Chair

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

Speaker Pending.

Speaker Pendina.

With the collaboration of mundipharma



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. Impact of Cytosorb on endothelial integrity: a revolutionary paradigm

Chair

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

Speaker

Gabriella Bottari. Pediatric Intensive Care in Children's Hospital Bambino Gesù, Rome, Italy.

With the collaboration of **CytoSorbents**.

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. Therapeutics 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** (...)



18:15 - 18:45h

Panel Discussion: The Role of New Antimicrobials in Sepsis 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: NLRP3 Inflammasome: The Missing Link in Sepsis Survival

11:00 - 11:10h Moderation and introduction: Importance of biomarkers in diagnosis and risk stratification in sepsis

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

11:10 - 11:30h From Molecular Mechanisms to Clinical Phenotypes in sepsis

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

11:30 – 11:50h Clinical utility of NLRP3 as a biomarker in severe infections

Pablo Pelegrín. Full Professor in Immunology at University of Murcia and Instituto Murciano de Investigación Biosanitaria (IMIB). Murcia, Spain.

With the collaboration of



12:00 - 13:15h **Session 3: Severe Aspiration Pneumonia**

Co-Chairs:

Michael Niederman. Division of Pulmonary and Critical Care Medicine – New York Presbyterian/Weill Córnell 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 Córnell 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

14:15 - 15:15h

Symposium: UTIs/CAUTI and Sepsis

Brief introduction to the problem

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

Pending

Impact of UTIs/CAUTIS on patients who develop sepsis

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

CAUTIS prevention through the use of external catheters (Purewick)

Pending - ICU nurse in Saudi Arabia at King Faisal Hospital

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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. Senior 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** (***)

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

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

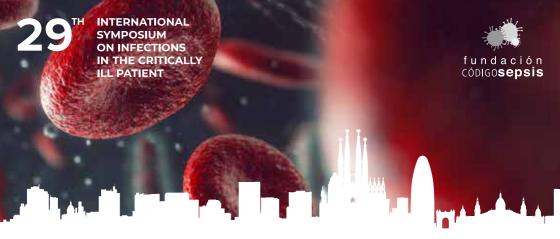
Antoni Torres. Respiratory and Intensive Care Unit. University of Barcelona. Hospital Clinic of Barcelona, Spain.

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** (***)





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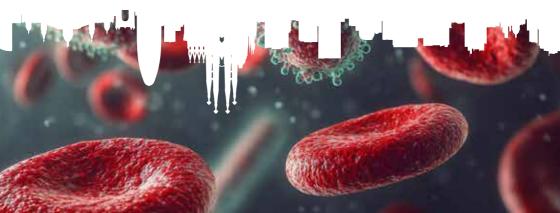














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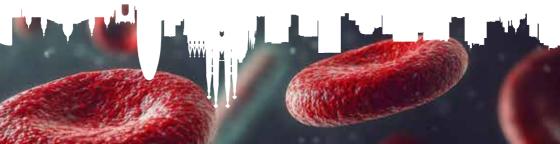














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