

PRELIMINARY PROGRAM

29TH



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INTERNATIONAL
SYMPOSIUM
ON INFECTIONS
IN THE CRITICALLY
ILL PATIENT

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BARCELONA



Auditori MGS
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Barcelona, Spain

16/17
OCTOBER

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Join us Barcelona for the 29th International Symposium on Infections in the Critically Ill 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.

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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

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Evangelos Giamarellos (Greece)

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**INTERNATIONAL
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October 15th - Wednesday

PRE SYMPOSIUM 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



13:00-19:45h

SIM SHOCK Simulación avanzada en el manejo personalizado del shock séptico

13:00-14:00h **Lunch**

14:00-14:30h **General Briefing**

14:30-15:10h **Hemoadsorption therapy session**

15:10-19:30h **Workshop: Hemoadsorptive therapies**

Scenario 1: Abdominal septic shock hyperinflammatory phenotype

Scenario 2: Refractory hypotension to catecholamines.

Non-abdominal septic shock

19:30-19:45h **Closing**

With the collaboration of





October 16th – Thursday

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 Health, ISGlobal. Barcelona, Spain.

10:00 – 10:15h **Discussion & Audience Q&A**



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October 16th – Thursday

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-Giménez. Prof., Dept. of Physiology, Faculty of Medicine, University of Valencia. Principal Investigator of the Translational Epigenetics Group, INCLIVA. CIBER for Rare Diseases, ISCIII.

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 **ESOTOR** and **Direx**

12:00 – 12:45h

Session 3: Pro-Con. Benefits of Guideline-Based Sepsis Management

Vantive

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 Medicine. School of Specialist in Anesthesiology and Intensive Care Medicine, Fondazione Policlinico Universitario A. Gemelli IRCCS. Università Cattolica del Sacro Cuore, Rome, Italy.

October 16th - Thursday**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

Patricia Muñoz. Head of the Clinical Microbiology and Infectious Diseases Service at the Gregorio Marañón University Hospital Madrid, Spain.

Speaker

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

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**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

Otávio Ranzani. Barcelona Institute for Global Health, ISGlobal. Barcelona, Spain.

October 16th – Thursday

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, Hôpital 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**.

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October 16th - Thursday

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-Réanimation, Hôpital 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 Martín-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.

October 17th – Friday

08:30 – 09:30h Session I: 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 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 Pova.** Unidade de Cuidados Intensivos Polivalente, Hospital de Sao Francisco Xavier. CHLO Lisboa, Portugal.**Massimo Antonelli.** Dept. of Anesthesiology Intensive Care and Emergency Medicine. School of Specialist in Anesthesiology and Intensive 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

October 17th – Friday**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 Povoá.** 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 **viva invitro**
laboratorios

October 17th - Friday

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 Menéndez Villanueva. 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**14:15 - 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.**Alicia San José.** Senior Nursing Lecture, Santa Creu i Sant Pau Hospital. EfCCNA Presidente, Barcelona (Spain).**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)****Ahmad AbuLehya.** Head Nurse Critical Care Nursing, King Faisal Hospital & Research Centre/ Riyadh (Saudi Arabia).

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October 17th - Friday

15:15 - 16:15h Session 4: Antibiotic Stewardship and Resistance in Pneumonia**Co-Chairs:****Ignacio Martín-Loeches.** Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.**Jordi 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 and intensivist at Ospedale Civile di Legnano. Milan, Italy. PhD candidate at Universitat de Barcelona, 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 AI for Pneumonia Research and Management****Ignacio Martín-Loeches.** Professor of Intensive Care Medicine in Trinity College Dublin, Ireland.**16:45 - 17:00h Discussion & Audience Q&A**

17:00h

Closing Remarks

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