2021 WEB - CONFERENCE OF THE EUROPEAN SHOCK SOCIETY

XIXth Congress of ESS

FRIDAY 5 & SATURDAY 6 NOVEMBER 2021

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SCIENTIFIC PROGRAM
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Dear Colleagues,

It is already 18 months since the COVID-19 pandemic has attached our world. The pandemic is a constant natural pressure that leads to important adaptations. One salient adaptation is the need to secure the continuing medical education. The conference of the European Shock Society could not remain unaffected by this situation. The persistence of the pandemia under the prevail of the delta variant led the steering committee to decide that the conference of 2021 should be held under a virtual web platform.

Our everyday difficulties impose the need to become better. With this modo, we have decided to efficiently use the web opportunities and offer to you a conference fully different that previous years trying to make it attractive mainly to younger colleagues. Major changes are a) the inclusion of short slots of presentations by world leaders in the field; b) the integration of basic, translational and clinical research, c) the widening to other societies including the sister Shock societies, the Global Sepsis Alliance and the European Sepsis Alliance but also to the European sepsis research consortium ImmunoSep; d) the use of one web-platform that allows in parallel interaction between attendees in private rooms; and e) the publication of the presentations as a supplement in the journal Shock.

All members of the steering committee hope that our web conference will meet your demands for medical education but it will also keep alive the need of constant communication between scientists.

Prof. Evangelos J. Giamarellos Bourboulis, MD, PhD
President of the European Shock Society

Andrea Szabó, MD, PhD
General Secretary of the European Shock Society
10.00-11.00 Opening ceremony
Evangelos J. Giamarellos-Bourboulis, President ESS
Markus Huber-Lang, Past-President ESS
Marcin Osuchowski, President-Elect ESS

• Pandemics that change our World: the role of immune response
  Jean-Marc Cavaillon (Paris, France)

• Shock research: Cassandra or Prometheus?
  Markus Huber-Lang (Ulm, Germany)

• Shock research in our times
  Discussion with panelists from International Federation of Shock Societies
  Athanasios Chalkias (Larissa, Greece)
  Reinaldo Salomao (Sao Paolo, Brazil)
  Xy Ben Lu (Beijing, People’s Republic of China)

11.00-12.30 Basic research in shock and sepsis
Moderator: Marcin Osuchowski (Vienna, Austria)

• How can minimal quality be achieved?
  Daniel G. Remick (Boston, USA)

• The need to standardize the shock model
  Andrea Szabó (Szeged, Hungary)

• How to implement clinically extrapolated endpoints in animal research
  Marcin Osuchowski (Vienna, Austria)

• Disseminated intravascular coagulation and thrombosis: what does the animal setting suggest for the human host?
  Nicole P. Juffermans (Amsterdam, The Netherlands)

Discussion
12.30-13.00 Invited Lecture
Moderator: Evangelos J. Giamarellos-Bourboulis (Athens, Greece)

- Trained immunity and survival from critical illness
  Mihai G. Netea (Nijmegen, The Netherlands)

13.00-13.30 Short break

13.30-14.45 Trauma and hemorrhage
Moderator: Marc Maegele (Cologne, Germany)

- Blood multiomics: new insights into the pathophysiology of shock
  Federico Aletti (São Paulo, Brazil)

- How alcohol influences the host response to trauma and hemorrhage
  Borna Relja (Magdeburg, Germany)

- Role of the endothelium and endotheliopathy
  Marc Maegele (Cologne, Germany)

Discussion

14.45-15.45 Syndrome of persistent inflammation after critical illness
Moderator: Stylianos Orfanos (Athens, Greece)

- After polytrauma
  Rebecca Halbgebauer (Ulm, Germany)

- After severe sepsis
  Philip A Efron (Florida, USA)

- Cardiovascular and molecular prognostic factors
  Sina M. Coldewey (Jena, Germany)

Discussion
15.50-18.00  **COVID-19: From pathogenesis to therapy**  
Moderator: **Joost W. Wiersinga** (Amsterdam, The Netherlands)

- What is the role of antivirals in critical illness?  
  **Andreas Barratt-Due** (Oslo, Norway)

- C5a as treatment target  
  **Alexander Vlaar** (Amsterdam, The Netherlands)

- Early IL-1 inhibition  
  **Evangelos J. Giamarellos-Bourboulis** (Athens, Greece)

- Do all patients need corticosteroids?  
  **Gilles Hayem** (Paris, France)

- IL-6 pathway inhibitors  
  **Hernando Gomez** (Pittsburgh, Pennsylvania)

- Cell therapy  
  **Antonio Artigas** (Barcelona, Spain)

Discussion

18:00  **General Assembly of the European Shock Society**
08.30-09:00  SHOCKingly fast: Host response diagnostics in clinical practice for sepsis and acute infection
Moderator: Evangelos J. Giamarellos-Bourboulis (Athens, Greece)

Purvesh Khatri (California, USA)
Satellite Lecture sponsored by Inflammatix

09.00-12.00  The European Shock Society meets the ImmunoSep consortium for personalized sepsis treatment
Moderators: Mihai G. Netea (Nijmegen, The Netherlands) Evangelos J. Giamarellos-Bourboulis (Athens, Greece)

- The ImmunoSep protocol of evaluation of personalized management
  Peter Pickkers (Nijmegen, The Netherlands)

- Consult sepsis endotypes
  Tom van der Poll (Amsterdam, The Netherlands)

- Progenitor and stem cells in sepsis
  Tomasz Skirecki (Warsaw, Poland)

- T lymphocytes function and sepsis-induced immunosuppression
  Stefanie B. Flohé (Essen, Germany)

- Should we care about personalized antimicrobial care?
  George Dimopoulos (Athens, Greece)

- May transcriptomic profile change by treatment?
  Joachim Schultze (Bonn, Germany)

- Challenges to enroll and follow-up patients
  Frank Bloos (Jena, Germany)

- Challenges to monitor a trial of personalized treatment in the COVID pandemic
  Antigone Kotsaki (Athens, Greece)

- SOFA score: measure of sepsis and measure of endpoint
  Michael Bauer (Jena, Germany)
12.00-13.00  **The European Shock Society meets the Global Sepsis Alliance and the European Sepsis Alliance**
Moderators:  **Tex Kissoon** (Vancoover, Canada)  
**Daniela Filipescu** (Bucharest, Roumania)

- Strategies to decrease the burden of sepsis  
  **Konrad Reinhart** (Berlin, Germany)

- COVID-19 and sepsis: resemblances and differences  
  **Ricardo Ferrer** (Barcelona, Spain)

- The need of a European Registry  
  **Christian S. Scheer** (Greifswald, Germany)

Discussion

13.00-13.30  **Short break**

13.30-15.00  **Biomarkers: can they really guide our daily practice? (in collaboration with the Hellenic Sepsis Study Group)**
Moderators:  **Mark Clemens** (North Carolina, USA)  
**Iraklis Tsangaris** (Athens, Greece)

- Procalcitonin use and sepsis survival  
  **Evdoxia Kyriazopoulou** (Athens, Greece)

- Trust suPAR for COVID-19  
  **Massimo Fantoni** (Rome, Italy)

- Optical biosensor technology  
  **Nikolaos Antonakos** (Athens, Greece)

- CRP and ferritin  
  **Gilles Kaplanski** (Marseille, France)

- Should we surrogate viral load?  
  **Francesco Veas** (Marseille, France)

Discussion
15.00-16.30   Emerging dilemmas in management
Moderator: Charalambos Gogos (Athens, Greece)

- Rapid molecular diagnosis of the pathogen
  Vittorio Sambri (Bologna, Italy)

- Clarithromycin for the critically ill
  Eleni Karakike (Athens, Greece)

- Ceftazidime/avibactam and ceftolozane/tazobactam: which drug for which patient?
  Matteo Bassetti (Genova, Italy)

- How to treat severe pneumonia
  Antoni Torres (Barcelona, Spain)

Discussion

16:30-17:00   Host response based tools for managing acute infection
Moderator: Evangelos J. Giamarellos-Bourboulis (Athens, Greece)

Tanya Gottlieb (Tirat Carmel, Israel)
Satellite lecture sponsored by MeMed Diagnostics
Aletti Federico
Instituto de Ciência e Tecnologia, Universidade Federal de São Paulo, Brazil

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