

MULTIDISCIPLINARY CONFERENCE

Advances in Sepsis and Systemic Inflammation

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Sala Convegni
Hotel Perla del Porto
Catanzaro Lido
05-06 ottobre 2023

Registrazione Agenas - ECM: ID 7259 - 392489 - Crediti 12 - Riservato a n°100 pp.
Medico Chirurgo (CARDIOLOGIA - GERIATRIA - MALATTIE INFETTIVE - MEDICINA INTERNA - PEDIATRIA - ANESTESIA E RIANIMAZIONE - MICROBIOLOGIA E VIROLOGIA - IGIENE - EPIDEMIOLOGIA E SANITÀ PUBBLICA), Biologo, Farmacista, Infermiere, Tecnico Sanitario di Laboratorio Biomedico.
Accreditato per Medici Specializzandi con CFU Universitari

Patrocinio



UMG
Dubium sapientiae initium



Scientific Coordinators

Prof. G. Matera

Chair of Microbiology - Department of Health Sciences
University "Magna Graecia" of Catanzaro

Prof. C. Torti

Chair of Infectious and Tropical Diseases - Department of Medical
and Surgical Sciences - University "Magna Graecia" of Catanzaro

Program Committee

Prof. E.M. Trecarichi Associate Professor of Infectious Diseases
"Magna Graecia" University of Catanzaro

Prof. A. Russo Associate Professor of Infectious Diseases
"Magna Graecia" University of Catanzaro

Prof. A. Quirino Associate Professor of Microbiology
"Magna Graecia" University of Catanzaro


Dr. N. Marascio Researcher of Microbiology
"Magna Graecia" University of Catanzaro



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Advances in Sepsis and Systemic Inflammation

Presentation



A modern and global approach to the "sepsis problem" requires consideration of its heterogeneity in etiological, pathogenetic, clinical, prognostic and therapeutic dimensions (sepsis and non-sepsis), as well as its ubiquitous distribution, the very considerable burden of disability and death and the consequent need to put in place multidisciplinary interventions both from a clinical and research perspective. Moreover, it is also true that artificial intelligence approaches can today allow a grouping of the differentiated pictures of sepsis into common disease phenotypes with significant correlations at a prognostic and, perhaps, therapeutic level. It is from these considerations that the idea and the title of this conference was born, which recognizes, as a fundamental objective, bringing together specialists of different disciplines and from different geographical areas and contexts.

In this panorama, it is necessary to recall some data which substantiate the importance of this conference. First, sepsis is a life-threatening clinical syndrome caused by a series of dysregulated responses to infections leading to single or multiple organ failures, septic shock, and a fatal outcome in at least 9 million people annually. Second, early identification and appropriate management in the initial hours of sepsis development can improve outcomes, reduce the cost of long ICU stays, and limit organ damage and chronic complications in the post-septic period. Third, although more than 170 candidate biomarkers of sepsis have been studied to date, there are still a few that have exhibited adequate sensitivity and specificity for clinical use with satisfactory accuracy. For this reason, it is necessary to expand research towards innovative approaches such as the "multi-omics" type that can make the diagnosis of sepsis earlier and more efficient, at the same time directing the therapeutic strategies in an increasingly individualized way towards precision medicine. In this context, not only with therapeutic but also preventive objectives in mind, very recent studies on microbiota and sepsis have shown that the alterations of the microbial populations in septic patients can significantly contribute not only to accelerate the diagnosis of the septic pro-

cess, but also to interfere with the immune mechanisms that should defend the human body from sepsis. Finally, it is precisely towards an in-depth study of the pathogenetic mechanisms in the differentiated pictures of sepsis that one must turn in order to add innovative drugs (including immunomodulators) to the therapeutic arsenal of sepsis and septic shock.

Taking into account the forementioned objectives and the scientific background, the conference program is divided into a series of topics that we consider relevant today and which are articulated in composing the "mosaic" of sepsis:

- early diagnosis of the infection in patients with sepsis at different sepsis centers, in the community and in hospital settings (fast microbiology);
- bacterial (with focus on multi-resistant bacteria), fungal and protozoal etiologies of sepsis;
- epidemiology, characterization of microbial resistance and related costs;
- empirical and targeted anti-infective therapies;
- resuscitation (with a focus on advanced ventilatory support) and monitoring (in and out of the intensive care unit);
- adjunctive and supportive care (including nutrition);
- pathogenetic advances in a translational perspective (study of the microbiota, multi-omics approach).

In conclusion, the congress aims to update healthcare professionals involved in basic science studies, laboratory and clinical diagnosis, prevention and treatment of sepsis on different aspects of the sepsis scenario.

The congress will take place in mixed mode (online and in presence) and will take place according to a methodology that provides for the following presentation formats: keynote lectures, congress reports with related discussion session led by expert discussants on the topic, round-tables and presentation of paradigmatic clinical cases before the conclusion of the conference.

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SCIENTIFIC PROGRAM

DAY 1 - Thursday 5th October

- 8.15-9.00 Registration of participants
- 9.00-10.00 Greetings
Chancellor of the University "Magna Graecia" of Catanzaro
Governor of the Calabria Region
Director of the A.O.U. "Renato Dulbecco", Catanzaro
President of the Medical Association of the Catanzaro Province
Presidents of the major Scientific Associations in the Calabria Region (SIM, SIMIT, SITA, AMCLI, etc.)
- 10.00-11.30 Session 1: Pathophysiology of sepsis**
Moderators: C. Palmieri, G. Viglietto and P. Doldo
- 10.00-10.30 G. Matera, State of the art in sepsis landscape
10.30- 11.00 A. Bandera, Sepsis: is it the pathogen or is it the host?
11.00-11.30 V. Mollace, Mediators and markers of sepsis
- 11.30-11.45 *Coffee Break*
- 11.45-13.10 Session 2: Focus on the epidemiology of sepsis**
Moderators: C. Nobile and F. Longhini
- 11.45-12.15 E. M. Treçarichi, Public health implications and relevance of sepsis in the era of globalization
12.15-12.45 A. Bianco, Epidemiology of the MDR pathogens and the WHO priority pathogen list
12.45-13.10 Discussion (Discussants: P. Minchella, F. Greco, F. Lucia)
- 13.10-14.00 Session 3: Non bacterial and non fungal sepsis**
Moderators: G. Matera and P. Minchella
- 13.10-13.35 P. Byakika, Sepsis and malaria in resource-limited settings
13.35-14.00 M. Mandell, Protozoan sepsis
- 14.00-15.00 *Light Lunch*
- 15.00-16.00 Session 4: Diagnostic advancements in sepsis**
Moderators: G. Cuda and D. Foti
- 15.00-15.30 S. Stefani: Changing microbiology in the current clinical and epidemiological scenario
15.30-16.00 A. Quirino, Fast microbiology, conventional methods, and biomarkers: towards an integrated approach
- 16.00-16.15 *Coffee Break*
- 16.15-17.00 Workshop** (Non Accreditato E.C.M.)

17.00-19.00 Session 5: Therapy of sepsis

Moderators: **L. Cosco, G. Foti and F. Longhini**

- 17.00-17.30 **M. Falcone**, Advanced therapy and innovations for severe infections by gram positive and gram negative bacteria
- 17.30-18.00 **A. Russo**, Advanced therapy and innovations for invasive fungal infections
- 18.00-18.30 **F. Longhini**, Septic shock: resuscitation and ventilation guidelines
- 18.30-19.00 Discussion (Discussants: **S. Macheda, B. Caroleo, E. Garofalo**)

DAY 2 - Freeday 6th october

8.30-9.00 Registration of participants

9.00-11.30 Session 1: Organ dysfunctions in sepsis and post-sepsis syndromes

Moderators: **F. Luzza and C. Indolfi**

- 9.00-9.20 **N. Marascio**, Microbiota and its role in sepsis and sepsis complications: microbiological features
- 9.20-9.40 **L. Abenavoli**, Microbiota and its role in sepsis and sepsis complications: clinical features
- 9.40-10.00 **B. Webster**, Molecular characterization, gut inflammation and parasites: possible relevance for sepsis and sepsis complications
- 10.00- 10.20 **G. Pelaia**, Lung disfunctions in severe sepsis and post-sepsis syndrome
- 10.20-10.40 **C. Spaccarotella**, Heart disfunctions in severe sepsis and post-sepsis syndrome

10.40- 11.30 Round Table:

Long term consequences of sepsis: "holistic approach"

Moderator: **A. Bruni**

11.30-12.00 *Coffee Break*

12.00-13.00 Workshop (Non Accreditato E.C.M.)

13.00-14.30 *Light Lunch*

14.30-16.00 Session 2: Clinical Cases

Moderators: **E.M. Treçarichi, A. Mastroianni, A. Quirino and L. Principe**

Real clinical cases presented by junior microbiologists and physicians (Units of Clinical Microbiology, Infectious Diseases and others)

16.30 Meeting Closure

FACULTY

- Prof. Franco ARTURI** Cattedra Medicina Interna - Università "Magna Graecia" - Catanzaro
- Dott.ssa Alessandra BANDERA** Malattie Infettive - Ospedale Maggiore, Milano
- Prof.ssa Pauline BYAKIKA** Cattedra Medicina della Makerere University di Kampala - Uganda
- Prof.ssa Aida BIANCO** Cattedra Igiene - Università "Magna Graecia" - Catanzaro
- Dott. Benedetto CAROLEO** Medicina P.O. Soverato (CZ)
- Dott. Lucio COSCO** Malattie Infettive – AOU "Renato Dulbecco" PO Pugliese Ciaccio Catanzaro
- Prof. Giovanni CUDA** Cattedra Biologia Molecolare - Università "Magna Graecia" - Catanzaro
- Prof.ssa Patrizia DOLDO** Università "Magna Graecia" – Catanzaro
- Prof. Marco FALCONE** Cattedra Dipartimento Medicina - Università Pisa
- Prof.ssa Daniela FOTI** Cattedra Patologia Clinica - Università "Magna Graecia" - Catanzaro
- Dott. Giuseppe FOTI** Direttore U.O. Malattie Infettive - GOM "Bianchi-Melacrino-Morelli" Reggio Calabria
- Prof. Eugenio GAROFALO** Cattedra Anestesia - Università "Magna Graecia" - Catanzaro
- Dott.ssa Francesca GRECO** U.O. Virologia - Ospedale Annunziata - Cosenza
- Prof. Ciro INDOLFI** Cattedra Cardiologia - Università "Magna Graecia" - Catanzaro
- Prof. Federico LONGHINI** Cattedra Anestesia - Università "Magna Graecia" - Catanzaro
- Dott. Francesco LUCIA** Prevenzione e Sanità Pubblica - Dip.to Tutela Salute e Servizi Socio-Sanitari - Regione Calabria
- Prof. Franco LUZZA** Cattedra Gastroenterologia - Università "Magna Graecia" - Catanzaro
- Dott. Sebastiano MACHEDA** U.O. Anestesia - GOM "Bianchi-Melacrino-Morelli". Reggio Calabria
- Prof. Michael MANDELL** Department of Molecular Genetics and Microbiology, University of New Mexico - Albuquerque - New Mexico, USA
- Dott.ssa Nadia MARASCIO** Microbiologia - Università "Magna Graecia" - Catanzaro
- Dott. Antonio MASTROIANNI** U.O. Mal. Infettive - Ospedale Annunziata - Cosenza
- Prof. Giovanni MATERA** Cattedra Microbiologia - Università "Magna Graecia" - Catanzaro
- Dott. Pasquale MINCHELLA** U.O.C. Microbiologia - AOU "Renato Dulbecco" PO Pugliese Ciaccio. Catanzaro
- Prof. Vincenzo MOLLACE** Cattedra Farmacologia e Tossicologia - Università "Magna Graecia" – Catanzaro
- Prof. Ludovico MONTEBIANCO ABENAVOLI** Cattedra Gastroenterologia - Università "Magna Graecia" - Catanzaro
- Prof. Carmelo NOBILE** Cattedra Igiene - Università "Magna Graecia" - Catanzaro
- Prof. Camillo PALMIERI** Cattedra Biochimica - Università "Magna Graecia" - Catanzaro
- Prof. Girolamo PELAIA** Cattedra Malattie Apparato Respiratorio - Università "Magna Graecia" - Catanzaro
- Dott. Luigi PRINCIPE** Microbiologia - GOM "Bianchi-Melacrino-Morelli". Reggio Calabria
- Prof.ssa Angela QUIRINO** Cattedra Microbiologia - Università "Magna Graecia" - Catanzaro
- Prof. Alessandro RUSSO** Cattedra Malattie Infettive e Tropicali - Università "Magna Graecia" - Catanzaro
- Prof.ssa Stefania STEFANI** Cattedra Microbiologia - Università di Catania
- Dott.ssa Carmen A. M. Spaccarotella** U.O. Cardiologia Emodinamica - AOU "Renato Dulbecco" PO Mater Domini Catanzaro
- Prof. Enrico M. TRECARCHI** Cattedra Malattie Infettive e Tropicali - Università "Magna Graecia" - Catanzaro
- Prof. Carlo TORTI** Cattedra Malattie Infettive e Tropicali - Università "Magna Graecia" - Catanzaro
- Prof. Giuseppe VIGLIETTO** Cattedra Patologia generale - Università "Magna Graecia" - Catanzaro
- Prof.ssa Bonnie WEBSTER** Department of Sciences, Natural History Museum, London

INFORMAZIONI

SEDE e DATA CONVEGNO

Sala Convegni - Hotel Perla del Porto Catanzaro - Via Martiri di Cefalonia, 64
05-06 ottobre 2023

DESTINATARI DEL CORSO

Riservato a n°100 pp.
MEDICO CHIRURGO (cardiologia; geriatria; malattie infettive; medicina interna; pediatria; anestesia e rianimazione; microbiologia e virologia; igiene, epidemiologia e sanità pubblica), BIOLOGO, FARMACISTA, INFERMIERE, TECNICO SANITARIO di Laboratorio Biomedico

Accreditato per Medici Specializzandi con CFU Universitari

ECM: ID 7259 - 392489 **Crediti n°12**

ISCRIZIONE

La partecipazione è gratuita; iscrizione - fino ad esaurimento posti - entro il 30.09.2023
La scheda iscrizione è scaricabile sul sito

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L'evento si svolgerà in presenza e nel rispetto della normativa ANTI COVID indossando la mascherina nelle aree comuni ove necessario.

MODALITÀ

Corso accreditato secondo Programma di Educazione Continua in Medicina - AGe.NA.S.

Modalità RES

Sarà rilasciato: • Attestato di Partecipazione • Attestato Crediti ECM

Rilascio Crediti Formativi come da normativa ECM:

- Frequenza obbligatoria e in misura del 100% ai lavori congressuali in presenza.
- Rilascio Crediti Formativi ECM: entro 3 gg. dalla fine dell'evento compilazione del questionario ECM nel portale di accreditamento con credenziali rilasciate al momento dell'iscrizione.
- Attestato ECM scaricabile dopo 30 gg. previo conseguimento del 75 % delle risposte esatte al questionario di apprendimento e dell'effettiva partecipazione.
- Attestato di Partecipazione scaricabile dalla piattaforma.

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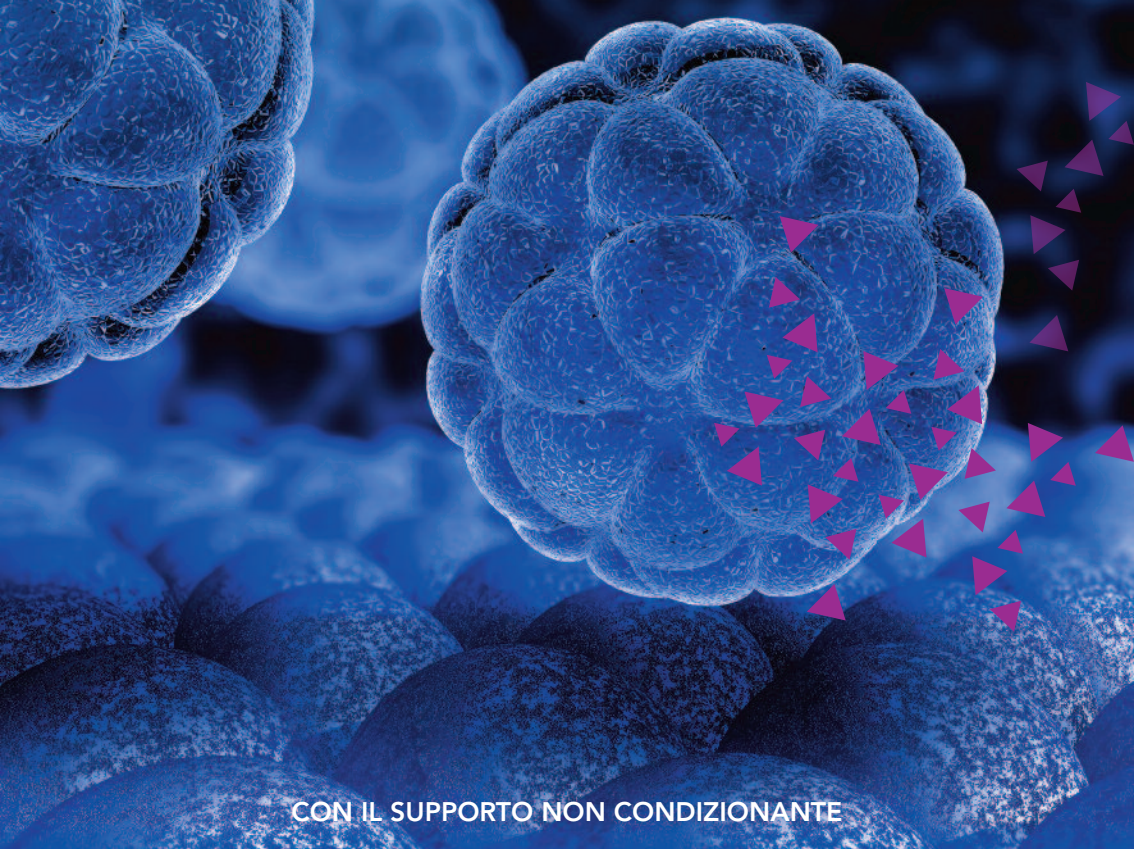
Dr. N. Marascio Researcher of Microbiology - "Magna Græcia" University of Catanzaro

Segreteria Organizzativa Passepartout Congressi srls

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