

MULTIDISCIPLINARY CONFERENCE

Advances in Sepsis and Systemic Inflammation

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

Registrazione Agenas ECM: ID 7259-392489 Crediti 12 - Riservato a n°100 pp. - Iscrizione € 50,00

• 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

Iscrizione gratuita per n. 60 Medici Specializzandi - Dottorandi - Assegnisti - Studenti con rilascio di 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

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

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

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


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



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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 process, 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.

Scientific Coordinators

Prof. Giovanni Matera

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

Prof. Carlo Torti

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



SCIENTIFIC PROGRAM

DAY 1 - Thursday 5th October

- 08.15-09.00 Registration of participants and Welcome Coffee
- 09.00-10.00 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
- 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. Trecarichi, *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, D. Foti and L. Principe
- 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.)
Dr. **Alberto Antonelli**, *Valutazione di un nuovo sistema ultra-rapido per l'antibiogramma dei patogeni Gram-negativi da emocoltura positiva.*
Dr. **Vincenzo Di Pilato**, *Nuovi approcci molecolari per l'identificazione batterica e l'antibiogramma da emocoltura positiva.*
- 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 - Friday 6th october

- 08.30-09.00 Registration of participants and Coffee
- 09.00-11.30 Session 1: Organ dysfunction in sepsis and post-sepsis syndromes**
Moderators: **F. Luzza and C. Indolfi**
- 09.00-09.20 **N. Marascio**, *Microbiota and its role in sepsis and sepsis complications: microbiological features*
- 09.20-09.40 **L. Abenavoli**, *Microbiota and its role in sepsis and sepsis complications: clinical features*
- 09.40-10.00 **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**
- 11.30-12.30 Discussion on the topics covered**
- 12.30-13.00 Questions from the audience
- 13.00-14.30 *Light Lunch*
- 14.30-16.00 Session 2: Clinical Cases**
Moderators: **E.M. Trecarichi, A. Mastroianni and A. Quirino**
Real clinical cases presented by junior microbiologists and physicians (Units of Clinical Microbiology, Infectious Diseases and others)
- 16.30 Meeting Closure

FACULTY

- Dr. Alberto ANTONELLI** Prof. Borsista di ricerca e specializzando in Microbiologia - Università Firenze A.O.U. Careggi Firenze
- 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
- Dr. Vincenzo DI PILATO** Specializzando in Microbiologia e Virologia, Università di Firenze, Az. Osp. Universitaria Careggi - Firenze
- 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 - 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 Lido - Via Martiri di Cefalonia, 64
05 e 06 ottobre 2023

DESTINATARI DEL CORSO Riservato a n°100 pp. ECM: ID 7259 - 392489 **Crediti n°12**

- MEDICO CHIRURGO (cardiologia - geriatria - malattie infettive - medicina interna - pediatria - anestesia e rianimazione - microbiologia e virologia - igiene, epidemiologia e sanità pubblica)
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LINK ISCRIZIONE <https://mdgsolutions.salavirtuale.com>

entro il **30.09.2023** fino ad esaurimento posti

Per tutti i destinatari del corso è prevista quota di partecipazione di € 50,00 (sarà rilasciata ricevuta detraibile ai fini fiscali).

ISCRIZIONE GRATUITA per n. 60 Medici Specializzandi - Dottorandi - Assegnisti - Studenti con CFu universitari (ticket lunch e coffee delle due giornate: € 50,00 da confermare via mail alla Segreteria organizzativa inviando copia bonifico dopo iscrizione obbligatoria su link <https://mdgsolutions.salavirtuale.com>)

Entro il **30.09.2023** inviare alla Segreteria Organizzativa

(carlacanino@passepartoutcongressi.it)

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MODALITÀ

Corso accreditato secondo Programma di Educazione Continua in Medicina - AGe.N.A.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 sul portale di accreditamento con credenziali rilasciate al momento dell'iscrizione.
- Attestato ECM scaricabile entro 90 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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