

HUMANITAS
RESEARCH HOSPITAL

MULTIDISCIPLINARY ENDOCARDITIS WORK UP

JUNE 6-7, 2022



CONGRESS VENUE

Centro Congressi Humanitas
Via Manzoni 113 - Rozzano
MI - Italy

CON IL PATROCINIO DI:



Associazione Italiana di Medicina Nucleare
ed Imaging Molecolare



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Sezione Regionale Lombardia

Endocarditis is a complex clinical pathology with a high mortality rate despite diagnostic and therapeutic improvements. In recent years, we have seen significant changes in its epidemiological and clinical profile, with a variation in the population at risk and increase in nosocomial forms of endocarditis with antibiotic-resistant or fastidious bacteria. Endocarditis **is a great simulator** when it occurs with an embolic event that might lead diagnosis towards other pathologies, or it may in turn be simulated by disparate diseases. Rapid diagnostic recognition and appropriate therapy are crucial to eradicate the infection, prevent embolism, and treat cardiac failure.

Guidelines provide useful support even though based mainly on the opinions of experts rather than on randomized studies with some inconsistencies between varying medical scientific societies. Diagnostic and therapeutic management is therefore an important clinical challenge that often requires a tailored approach. Multi-specialist involvement with structured pathways may optimize the outcome.

The congress aims to analyze **perspectives on prevention** in the panorama of a mutated epidemiology, provide the state-of-the-art of microbiological diagnostic techniques, evaluate clinically integrated multidisciplinary approaches, focus on differentiated pathways in the context of extracardiac involvement or comorbidities of endocarditis patients.

The expected outcome is the improvement of multidisciplinary clinical methodology to optimize patient-centred workup and increase sensibility towards preventive measures to reduce the epidemiological burden in the emergent population at risk.

**MONDAY
JUNE 6**

09.00 Registrations

10.00 Introduction and opening of the Meeting

Michele Lagioia, Giovanni La Canna, Lucia Torracca, Gilbert Habib, Giuliano Rizzardini

THE NEW SCENARIO OF ENDOCARDITIS PREVENTION

Chairpersons: *Elena Azzolini, Rozzano and Pio Caso, Napoli*

10.15 Epidemiological burden *Enrico Cecchi, Torino*

10.30 Community prevention: dentist and beyond *Fabio Chirillo, Bassano del Grappa*

10.45 Nosocomial prevention: a neglected issue *Michele Lagioia, Rozzano*

11.00 The emerging risk of antibiotic resistance *Paolo Bonfanti, Milano*

11.15 New antimicrobials for endocarditis: a weapon that should be defended *Mario Venditti, Roma*

11.30 Discussion

NEW INSIGHT INTO THE DEVELOPMENT OF INFECTIVE ENDOCARDITIS

Chairpersons: *Enrico Cecchi, Torino and Federica Tordato, Rozzano*

11.45 Mechanisms of infective endocarditis: pathogen–host interaction *Paolo Grossi, Varese*

12.00 The key role of immuno-thrombosis *Maria De Santis, Rozzano*

12.15 The emerging microbiologic profile of infective endocarditis *Beatrice Pini, Como*

12.30 Discussion

12.45 *Lunch*

ENDOCARDITIS DIAGNOSTIC WORK-UP

Chairpersons: *Fabio Chirillo, Bassano del Grappa and Sergio Severino, Napoli*

- 14.00 Clinical probability of infective endocarditis *Enrico Cecchi, Torino*
- 14.15 Proposed diagnostic algorithm in a hospital setting without an infectiologist *Paolo Trambaiolo, Roma*
- 14.30 Duke criteria specificity: a test-bench for clinical echocardiography *Iside Scarfó, Rozzano*
- 14.45 Nuclear imaging: is it ready to be a major diagnostic criterium? *Paola Erba, Pisa*
- 15.00 CT scan: systematic or focused use? *Lorenzo Monti, Rozzano*
- 15.15 Discussion

- 15.30 Implementation of novel technology for rapid identification of bloodstream infections
Erminia Casari, Rozzano
- 15.45 Fastidious microorganisms in infective endocarditis: the case of HACEK, Fungi and much more
Claudio Farina, Bergamo and Silvia Bracco, Bergamo
- 16.00 Molecular techniques after valve surgery for culture negative infective endocarditis
Pier Giulio Conaldi, Palermo
- 16.15 Right-sided valvular endocarditis: clinical contexts and microbiological profile
Marco Ripa, Milano
- 16.30 Discussion

- 16.45 *Coffee Break*

CLINICAL PATHWAY OF ENDOCARDITIS EMBOLIC SYNDROME

Chairpersons: *Iaria Caso, Napoli and Paola Morelli, Rozzano*

- 17.00 Comprehensive embolic risk assessment *Enrico Cecchi, Torino*
- 17.15 Metastatic septic localization: CT and MRI *Marco Francone, Rozzano*
- 17.30 Metastatic septic localization: PET imaging *Domenico Albano, Brescia*
- 17.45 Pre-existing and new-onset anticoagulant treatment *Fabio Chirillo, Bassano del Grappa*
- 18.00 Discussion
- 18.15 **LECTURE** Valvular endocarditis in intravenous drug users: changes, challenges, chances
Giuliano Rizzardini, Milano



MANAGEMENT CHALLENGES

Chairpersons: *Carlo Antona, Milano and Pierluigi Viale, Bologna*

- 8.30 Conventional and new antimicrobial stewardship in infective endocarditis *Pierluigi Viale, Bologna*
8.45 Complicated endocarditis *Antonella Moreo, Milano*
9.00 The three triggers for surgery and beyond *Giovanni La Canna, Rozzano*
9.15 Surgical treatment of active or complicated endocarditis *Lucia Torracca, Rozzano*
9.30 Targeted prosthesis in endocarditis *Carlo De Vincentiis, San Donato Milanese*
9.45 Use of AngioVac for removal of valve right vegetation *Pietro Armigliato, Prato (NO ECM)*
10.00 Discussion
- 10.15 *Coffee Break*

**TUESDAY
JUNE 7**

HIGHLIGHT LECTURES

Chairpersons: *Gilbert Habib, Marseille - Giovanni La Canna, Rozzano - Giuliano Rizzardini, Milano and Lucia Torracca, Rozzano*

- 10.30 Infective endocarditis: an ongoing global challenge *Jose M. Miro, Barcelona*
10.45 News from EURO-ENDO Registry *Gilbert Habib, Marseille*
11.00 The emerging challenge of endocarditis at time of the COVID epidemic *Bernard Cosyns, Bruxelles*
11.15 Transcatheter implanted cardiac valve endocarditis: an emerging issue in the elderly population
Norman Mangner, Dresden
11.30 Endocarditis and cancer *Bernard Cosyns, Bruxelles*
11.45 When to operate in the presence of neurological complication?
· The hopes of the cardiologist *Gilbert Habib, Marseille*
· The fears of the surgeon *Josè L. Pomar, Barcelona*
12.15 Concluding remarks
- 12.30 **LECTURE**
What has become of “medical clinical eye” in the age of the technique? *Umberto Galimberti, Milano*
- 13.00 *Lunch*

CLINICAL PATHWAY OF BLOOD CULTURE NEGATIVE ENDOCARDITIS

Chairpersons: *Alessandro Barbone, Rozzano and Mariateresa Librera, Napoli*

- 14.00 Fastidious and mycotic microorganisms *Carlo Tascini, Udine*
- 14.15 Wipple's disease *Iside Scarfò, Rozzano*
- 14.30 Unexpected endocarditis: an emerging subtle clinical phenotype *Giovanni La Canna, Rozzano*
- 14.45 Diagnostic work-up in patients with non-bacterial thrombotic endocarditis *Maria De Santis, Rozzano*
- 15.00 Early biological valve failure: thrombosis, rejection or endocarditis? *Manuela Muratori, Milano*
- 15.15 Discussion

EXTRACARDIAC COMPLICATIONS: OTHER SPECIALISTS ON THE PITCH

Chairpersons: *Efrem Civilini, Rozzano and Patrizia Presbitero, Torino*

- 15.30 Percutaneous treatment of mycotic aneurysms in the peripheral gross arteries *Vittorio Pedicini, Rozzano*
- 15.45 Percutaneous treatment of mycotic cerebral aneurysms *Ignazio Divenuto, Rozzano*
- 16.00 Spondylodiscitis *Alessandro Ortolina, Rozzano*
- 16.15 Discussion

CLINICAL PATHWAY FOR CARDIAC DEVICE INFECTIONS

Chairpersons: *Domenico Albano, Brescia - Enrico Citterio, Rozzano and Lucia Torracca, Rozzano*

- 16.30 Epidemiological burden and risk factors of cardiac implantable electronic devices *Riccardo Cappato, Sesto San Giovanni*
- 16.45 Clinical echocardiography *Umberto Conti, Pisa*
- 17.00 Nuclear imaging *Paola Erba, Pisa*
- 17.15 Lead extraction and reimplantation issues *Pierpaolo Lupo, Sesto San Giovanni*
- 17.30 Proposed management and prevention algorithms *Carlo Tascini, Udine*
- 17.45 Discussion

18.00 CLOSING REMARKS AND PERSPECTIVES

Giovanni La Canna and Lucia Torracca



SEGRETERIA ORGANIZZATIVA E PROVIDER ECM (nr 1106)

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ECM

Il Convegno è stato accreditato presso la Commissione Nazionale ECM per consentire ai partecipanti l'acquisizione dei crediti formativi, per la figura professionale di **Medico Chirurgo** (Cardiologia, Medicina Interna, Cardiocirurgia, Anestesia e Rianimazione, Direzione medica di presidio ospedaliero, Allergologia ed Immunologia clinica, Malattie infettive, Oncologia, Radiologia, Geriatria, Nefrologia, Neurologia, Farmacologia, Medicina d'Urgenza, Medicina del Lavoro, Medicina Nucleare, Microbiologia e Virologia), **Biologi, Odontoiatri e Infermieri**.

Avranno diritto ai crediti ECM solo coloro che saranno presenti al **90% dei lavori congressuali**.

Nr. crediti ECM: 10,5

ATTESTATO DI FREQUENZA

L'attestato di attribuzione dei crediti formativi ottenuti verrà inviato agli aventi diritto entro 90 giorni dal termine del congresso. A tutti gli iscritti verrà comunque consegnato il consueto attestato di frequenza.

LINGUE UFFICIALI

Lingua ufficiale del Congresso è l'Italiano. Solo nella sessione HIGH-LIGHT LECTURES, le relazioni saranno tenute in lingua Inglese, senza il servizio di traduzione simultanea.

RINGRAZIAMENTI

I Direttori del Convegno
**MULTIDISCIPLINARY
ENDOCARDITIS WORK UP**
desiderano ringraziare
per il loro contributo non condizionante

in particolare modo:



Edwards

ed inoltre:



More than surgery



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PHILIPS

