

**Ettore Majorana Foundation and Centre for Scientific Culture**  
**International School of Cardiology**  
**Directors: Francesco Fedele - Salvatore Novo**  
**XXIV Workshop on "ADVANCES in CARDIOVASCULAR DISEASES AND THERAPY"**  
**Erice (TP, Italy) – March, 21st to 23rd, 2024**

**LOCAL SCIENTIFIC COMMITTEE**

**Galassi Alfredo Ruggero**

**Novo Giuseppina**

**Corrado Egle**

**Evola Salvatore**

**Sucato Vincenzo**

**Ciaramitaro Gianfranco**

**Coppola Giuseppe**

The Workshop “Advances in Cardiovascular Diseases and Therapy”, promoted by the International School of Cardiology, will cover several topics starting with the presentation of the last Guidelines of the European Society of Cardiology concerning the management of Cardiovascular Disease in patients with Diabetes, the management of Cardiomyopathies, of Endocarditis and of acute Coronary Syndromes, the focused update of the 2021 ESC Guidelines for the Diagnosis and Treatment of acute and chronic Heart Failure, the 2023 ESH Guidelines on Arterial Hypertension, and an updating on the Cardio-Oncology, a new and emerging branch of Cardiology (with a whole session dedicated) and on treatment of Pulmonary Hypertension, and VT/PE diagnosis and treatment. Moreover, the Clinical Consenso Statement of the EAPCI of the ESC on the Evaluation and management of patients with Coronary chronic total occlusion considered for revascularization, and the ACC/AHA and ESC/EACTS Guidelines for the Management of Valve Heart Diseases in comparison with the JACC Guidelines, will be discussed.

Extensive discussion will be devoted to correction of risk factors, cardiac rehabilitation, correct life style, reduction of smoking risk and new emerging pathologies such as obesity and its new treatments. Moreover, attention will be dedicated to an important cardiac pathology as Atrial fibrillation and means to detect its silent form.

Moreover, interventional cardiology not only for the treatment of coronary stenosis but also for structural and valve cardiopathies (PFO, left auricle, TAVI, Mitraclip) will be extensively treated including the rationale use of anti-thrombotic therapy as well as the interventional arrhythmology with a discussion of the indications for the ICD application for the prevention of sudden death to prolong the survival of patients in secondary but also in primary prevention, when appropriate, including new extravascular device.

However, in the last years, noninvasive imaging has made great progress becoming crucial in diagnosing several heart diseases.

New echocardiographic techniques, such as 3D echo, global longitudinal strain, myocardial deformation imaging, cardiac magnetic resonance (CMR) and computed coronary angiography have been perfected to diagnose and follow up many cardiac diseases.

Progress has been reached in diagnosing and treating rare cardiomyopathies such as Amyloidosis. For this reason, it is essential that not only cardiologists, involved in the field of imaging, but also general cardiologists and other specialists taking care of patients with heart disease, become confident with these techniques to prescribe them appropriately and understand the added value of the information they can

give.

From the therapeutic point of view, relevant progress has been reached in the prevention and treatment of cardiovascular diseases with the introduction in the routine medical therapy of new drugs as suggested by recent ESC Guidelines.

Finally, an emerging field of interest is the Artificial Intelligence with application in cardiovascular prevention, in heart failure management and in cardiac imaging interpretation.

### **Goals**

The Workshop is designed for fellows of the post-graduate Schools of the Sicilian Universities as well as specialists in Cardiology, Internal Medicine, Geriatrics, Cardiac Surgeons, and General Practitioners.

The Workshop aims to give modern information on the most actual topics.

During the Course, frontal lectures delivered by recognized scientists will alternate with interactive discussion. Earlier diagnosis of cardiac disease may favor better preventive strategies and tailored therapeutic intervention with obvious beneficial effects

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**Thursday, March 21st, 2024**

**9.00 – 10.00**

**Registration of participants**

**10.00**

**Opening Ceremony**

**10.30-13.00**

**Opening Lectures**

**Chairmen**

**Fedele Francesco (Rome, Italy) – Novo Salvatore (Palermo, Italy)**

**10.30 – 11.00**

**MicroRNAs: diagnostic, prognostic and therapeutic role in heart failure**

**Perrone Filardi Pasquale (Naples, Italy) 11.00 – 11.30**

**11.00 – 11.30**

Artificial intelligence in the management of Heart failure: are we ready?

**Fedele Francesco (Rome, Italy)**

**11.30 – 12.00**

Treatment of chronic coronary syndromes: guided by ischemia or coronary anatomy?

**Barillà Francesco (Roma, Italy)**

**12.00 – 12.30**

New insights in diagnosis and treatment of pulmonary arterial hypertension

**Vizza Carmine Dario (Rome, Italy)**

**12.30 – 13.00**

Eliminate cardiovascular damage of tobacco is the best, but reduce the cardiovascular risk of heavy smoker could be a chance

**Beatrice Fabio (Turin, Italy)**

**13.00 – 13.30**

2023 ESC Guidelines for the management of cardiovascular disease in patients with diabetes

**Cosentino Francesco (Stockholm, Sweden) – pre-recorded**

**13.30 – 14.00**

2023 ESH Guidelines for the Management of Arterial Hypertension: what news?

**Zimlichman Reuven (Tel Aviv, Israel)**

**14.00-15.00**

**Light lunch**

**15.00 – 17.30**

**SESSION I – Risk Factors and cardiovascular prevention**

**Chairmen**

**Averna Maurizio (Palermo, Italy) – Tuttolomondo Antonino (Palermo, Italy)**

Essential hypertension: the 6<sup>th</sup> decade long story of a Vanishing Entity

**Rossi Gianpaolo (Padua, Italy) – pre-recorded**

Polypill for the treatment of Arterial Hypertension: a new opportunity?

**Daidone Mario (Palermo, Italy)**

Coronary Calcium score for the evaluation cardiovascular risk

**La Grutta Ludovico (Palermo, Italy)**

Lifestyle and pharmacological interventions to change obesity-related cardiovascular risk from childhood onset to manifestation in adulthood

**Rizzo Manfredi (Palermo, Italy)**

How to reach the correct target of LDL-cholesterol in secondary prevention?

**Cefalù Baldassare (Palermo, Italy)**

New effects of PCSK9-I on coronary plaque open new perspectives for a more precocious use in ACS?

**Novo Giuseppina (Palermo, Italy)**

Treatment of residual cardiovascular risk

**Calabrò Paolo (Naples, Italy)** – online or pre-recorded

**17.30 – 18.00**

**Lecture**

2023 ESC Guidelines for the management of endocarditis

**Imazio Massimo (Udine, Italy)**

**Chairman**

**Carmina Gabriella (Palermo, Italy)**

**18.00 - 19.30**

**SESSION II - Cardiomyopathies**

**Chairmen**

**Dattilo Giuseppe (Messina (Italy) - Novo Giuseppina (Palermo, Italy) -**

Speckle tracking echocardiography-derived parameters as new prognostic markers in hypertrophic Cardiomyopathies and cardiac amyloidosis

**Monte Ines (Catania, Italy)**

ECG/ECHO/MNR indexes in the diagnostic approach to amyloid cardiomyopathy

**Di Bella Gianluca (Messina, Italy)**

Therapy of ATTR Amyloidosis: current Indications

**Di Lisi Daniela (Palermo, Italy)**

Cardiac Magnetic Resonance for Prophylactic Implantable-Cardioverter Defibrillator Therapy in Ischemic Cardiomyopathy: The DERIVATE-ICM International Registry  
**Pontone Gianluca (Milan, Italy) – pre-recorded**

**20.30**  
**Dinner**

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**Friday, March 22nd, 2024**

**9.00 – 9.30**  
2023 ESC Guidelines for the management of Cardiomyopathies  
**Sinagra Gianfranco (Trieste, Italy)**  
**Chairman**  
**Novo Giuseppina (Palermo, Italy)**

**9.30 – 10.00**  
**Lecture**  
Evaluation and management of patients with coronary chronic total occlusions considered for revascularization. A Clinical Consensus Statement of the European Association of Percutaneous Cardiovascular Interventions (EAPCI) of the ESC, the European Association of Cardiovascular Imaging (EACVI) of the ESC, and the ESC Working Group on Cardiovascular Surgery  
**Galassi Alfredo Ruggero (Palermo, Italy)**  
**Chairman**  
**Gandolfo Caterina (Palermo, Italy)**

**10.00 – 11.45**  
**SESSIONE III – Acute Coronary Syndromes**  
**Chairmen: Cirrincione Giuseppe (Palermo, Italy) – Lunetta Monica (Palermo, Italy)**

Age-Related Effects of COVID-19 Pandemic on Mechanical Reperfusion and 30-Day Mortality for STEMI: Results of the ISACS-STEMI COVID-19 Registry  
**De Luca Giuseppe (Messina, Italy)**

Right ventricle function in patients with Anterior Myocardial Infarction: are we sure it is not Involved?  
**Morreale Pierluigi (Palermo, Italy)**

Percutaneous versus surgical revascularization in ischemic heart disease  
**Argano Vincenzo (Palermo, Italy)**

**11.45 – 13.45**

**SESSION IV – Chronic Coronary Syndromes**

**Chairmen: Fasullo Sergio (Palermo, Italy) – Micari Antonio (Messina, Italy)**

Contemporary outcome of chronic total occlusion percutaneous coronary intervention in Europe: the ERCTO registry

**Vadalà Giuseppe (Palermo, Italy)**

ANOCA, INOCA, MINOCA: pathophysiological mechanisms

**Sucato Vincenzo (Palermo, Italy)**

INOCA/MINOCA: diagnostic and therapeutic framework: from the MRI laboratory to the cath room –

**Giunta Nicola (Palermo, Italy)**

Perspectives on heart disease rehabilitation

**Sarullo Filippo Maria (Palermo, Italy)**

Role of Life Vest in prevention of post-infarction sudden death

**Mignano Antonino (Palermo, Italy)**

**14.00 – 15.00**

**Light Lunch**

**15.00 – 15.30**

**Lecture**

2023 ESC Guidelines for the management of acute coronary syndromes

**Capodanno Davide (Catania, Italy) – pre-recorded**

**Chairman**

**Galassi Alfredo Ruggero (Palermo, Italy)**

**15.30 – 16.00**

**Lecture**

2023 Focused Update of the 2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure

**Metra Marco (Brescia, Italy) - in person or online or pre-recorded**

**Chairman**

**Fedele Francesco (Rome, Italy)**

**16.00 – 16.30**

**Lecture**

Effects of SGLT2 Inhibitor on Diabetes, Cardiac and Renal Function

**Cice Gennaro (Naples, Italy)**  
**Chairman**  
**Novo Salvatore (Palermo, Italy)**

**16.30 – 17.00**

**Lecture**  
Advances in Cardiac Transplantation  
**Musumeci Francesco (Palermo, Italy)**  
**Chairman**  
**Novo Giuseppina (Palermo, Italy)**

**17.00 – 18.00**

**SESSION V – Cardio-Oncology**

**Chairmen**

**Carerj Scipione (Messina, Italy) - De Luca Giovanni (Palermo, Italy) – Triolo Oreste Fabio (Palermo)**

Advances in Cardio-Oncology  
**Novo Giuseppina (Palermo, Italy)**

Anthracyclines and regional myocardial damage in breast cancer patients. A multicentre study from the Working Group on Drug Cardiotoxicity and Cardioprotection, Italian Society of Cardiology (SIC)  
**Zito Concetta (Messina, Italy)**

Anticoagulation in cancer patients with Atrial Fibrillation or Venous Thromboembolism  
**Di Lisi Daniela (Palermo, Italy)**

**18.00 – 18.30**

**Lecture**

Harmonizing the cardiovascular care of adult patients with cancer

**Lopez Fernandez Teresa (Lisboa, Portugal) - pre-recorded**

**Chairman**

**Novo Giuseppina (Palermo, Italy)**

**18.30 – 19.30**

**SESSION VI – Venous Thromboembolism and Direct Oral Anticoagulants**

**Chairmen**

**Manzullo Nilla (Palermo, Italy) - Siragusa Sergio (Palermo, Italy) -**

DOACs in the treatment of DVT and PE: when, how long? An international experience  
**Siragusa Sergio (Palermo, Italy)**

The Vienna Prediction Model for identifying patients at low risk of recurrent venous thrombo-embolism: a prospective cohort study

**Amato Corrado (Palermo, Italy)**

Management of high and intermediate-high risk pulmonary embolism: A position paper of the Interventional Cardiology Working Group of the Italian Society of Cardiology

**Andò Giuseppe (Messina, Italy)**

**20.30**

**Dinner**

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**March 23rd, 2024**

**9.00 – 10.15**

**SESSION VII – Advances in cardiovascular Imaging**

**Chairmen**

**Grassedonio Emanuele (Palermo, Italy) – Novo Giuseppina (Palermo, Italy)**

Which is the best Myocardial Work index for the prediction of coronary artery disease? A data meta-analysis

**Zito Concetta (Messina, Italy)**

Usefulness of longitudinal systolic strain and delayed enhancement CMR in detecting risk of supraventricular arrhythmias in patients with acute myocarditis and preserved left ventricular function.

**Lisi Daniela (Palermo, Italy)**

**Di**

Myocardial viability: where do we stand in 2024.

**Almeida Ana G (Lisboa, Portugal)**

**10.15 – 10.45**

**Lecture**

Coronary X-ray angiography segmentation using Artificial Intelligence: a multicentric validation study of a deep learning model

**Pinto Fausto J (Lisboa, Portugal)**

**Chairman**

**Galassi Alfredo Ruggero (Palermo, Italy)**

**10.45 – 11.15**

**Lecture**

Up to date on TAVI

**Tamburino Corrado (Catania, Italy)**

**Chairman**

**Pilato Michele (Palermo, Italy)**

**11.15 – 11.45**

**Lecture**

Interventional therapy for Tricuspid Valve insufficiency: pro and contra

Indolfi Ciro (Catanzaro, Italy)

**Chairman**

**Tamburino Corrado (Catania, Italy)**

**11.45 – 13.15**

**SESSION VIII – Valvular Heart Disease and Structural Interventional Therapy**

**Chairmen**

**Indolfi Ciro (Catanzaro, Italy) – Calcaterra Giuseppe (Palermo, Italy)**

ACC/AHA and ESC/EACTS Guidelines for the Management of Valvular Heart Diseases: JACC Guideline Comparison

**Barbanti Marco (Enna, Italy)**

Actual indication of Mitraclip for the treatment of mitral regurgitation

**Caruso Marco (Palermo, Italy)**

Clinical Outcomes and Quality of Life after Patent Foramen Ovale (PFO) Closure in Patients with TIA/Stroke of undetermined cause and other PFO-Associated Clinical Conditions: A Single-Center Experience

**Evola Salvatore (Palermo, Italy)**

Left auricle: indication for closure and treatment

**Contarini Marco (Syracuse, Italy) – pre-recorded**

**13.15 – 14.15**

**Light Lunch**

**14.15 - 15.30**

**Session IX – Cardio-Stimulation**

**Chairmen**

**Egle Corrado (Palermo, Italy) - Giuseppe Miranda (Palermo, Italy)**

Extravascular implantable cardioverter defibrillator: when is indicated?

**Coppola Giuseppe (Palermo, Italy)**

Outcome after ICD implantation: do risk stratification models help improving clinical practice?

**Calvi Valeria (Catania, Italy) – pre-recorded**

Conduction system pacing: a new approach to cardiac stimulation

**Ciaramitaro Gianfranco (Palermo, Italy)**

**15.30 – 16.00**

**Lecture**

Artificial intelligence in cardiovascular noninvasive diagnostics

**Scipione Carerj (Messina, Italy)**

**Chairman**

**Fedele Francesco (Rome, Italy)**

**16.00 – 17.45**

**SESSION X – Atrial Fibrillation**

**Chairmen**

**Abrignani Maurizio (Marsala, Trapani) – Borruso Enzo (Alcamo, Trapani) - Panno Antonio Vittorio (Palermo, Italy)**

Silent Atrial Fibrillation: how look for it? Results from the Multicenter Real-World SAFARI

**de Gregorio Cesare (Messina, Italy)**

Left Atrial Dysfunction in Patients with Atrial Fibrillation as evaluated by Rest and Stress Echo

**Carerj Scipione (Messina, Italy)**

When the Acute Coronary Syndrome meets the Atrial Fibrillation

**Corrado Egle (Palermo, Italy)**

Advantages and disadvantages of atrial fibrillation ablation and new technologies

**Sgarito Giuseppe (Palermo, Italy)**

Atrial fibrillation and QT correct: What is the best formula to use?

**Dattilo Giuseppe (Messina, Italy)**

**Closing Remarks**