



«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE
TO PAY A PERMANENT TRIBUTE TO ARCHIMEDES AND GALILEO GALILEI, FOUNDERS OF MODERN SCIENCE
AND TO ENRICO FERMI, THE "ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF CARDIAC SURGERY

8th Course: EVOLVING STRATEGIES IN THE CARE OF THE COMPLEX CARDIOVASCULAR SURGICAL PATIENT

ERICE-SICILY: 9 – 13 APRIL 2022

Sponsored by the: Italian Ministry of Education, University and Scientific Research • Sicilian Regional Government

PROGRAMME AND LECTURERS

The impact of multi-morbidity on cardiac surgery practice
Heart lung interaction in the critically ill: pathophysiology and monitoring at the bedside
Thrombosis and treatment of thrombotic disorders of patients with unstable cardiac clinical conditions candidate to MCS or urgent cardiac surgery
Assessment and management of right ventricular dysfunction in the perioperative setting
Cardiogenic shock: State of the art
Optimising cardiac output following cardiac surgery: A multimodality approach
The role of imaging in the care of the critical cardiovascular surgical patients
End-stage heart failure: At the crossroad of life
Management of heart failure: Update
Timing of LVAD implant
Right ventricle and LVAD
Technology and techniques for left ventricular assist device: A Bi-Tech solution
Left ventricular global strain analysis: Time to go beyond ejection fraction
Long-term follow-up of patients with mechanical circulatory support
Management strategy of sensitization in heart transplant and VAD implant
Protection and reperfusion of cardiac graft
Long term management of cardiac recipient
Immunosuppression management: How to deal with complications?
Xenotransplantation: The immunological hurdles
ECMO and heart transplant in children
Minimally invasive approaches in paediatric cardiac surgery
Heart valve surgery in paediatric and adolescent patients
The Ross operation
Long-term survival of patients with univentricular heart
Diagnosis and management of adult congenital heart disease: What is the key to a successful program?
Postoperative management of the ACHD patient
3D modelling and printing in GUCH patients for preoperative planning
Mitral valve: From the anatomy to the function and the treatment of its main diseases
Aortic valve solutions in young adults
Redo aortic surgery
Flaws of RCT in heart valve disease management
Cardiac surgery between innovation and tradition
Coronary artery and heart valve disease treatment guidelines: What's going on?
Microinvasive cardiac surgery: When less is more

Minimally invasive aortic valve replacement
Minimally invasive mitral surgery
Robotic: the new generation of cardiac surgery
Robotic technology in coronary artery bypass grafting
Hands-on surgical simulation in cardiac surgery: The next generation of surgeons
Pros and cons of Hazard Ratio in survival analysis

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- F. BARILI, S. Croce Hospital, Cuneo, IT
- U. BENEDETTO, University of Chieti, Chieti, IT
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- G. THIENE, University of Padova, Padova, IT
- G. TORREGROSSA, Lankenau Heart Institute, Philadelphia, PA, US
- V. VIDA, Padova University, Padova, IT

PURPOSE OF THE COURSE

This interdisciplinary and interactive Course has been designed to provide a comprehensive survey of the constantly evolving innovative techniques adopted to address the increasingly serious and complex clinical situations which pose new challenges to the physicians involved in the diagnosis and treatment of both adult and pediatric cardiovascular diseases. These aspects will be highlighted, appraised and discussed in depth, so that upon completion of the Course participants will have had the opportunity to gain a thorough knowledge of the state of the art of the most recent innovative procedures and will be equipped with the necessary information that will allow them to be cognisant of the current techniques for the optimization of diagnostic and therapeutic strategies that are shaping the clinical evolution of the specialty in the various clinical settings.

APPLICATIONS

Persons wishing to attend this Course should send an application, preferably by electronic mail, to:

Professor Ugo Filippo Tesler
email: graffa@ismett.edu

Specifying:

i) Date and place of birth together with present nationality; ii) Present position and place of work.

PLEASE NOTE

Participants must arrive in Erice on April 9, no later than 7 p.m.

POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago. The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «After the fall of Troy some Trojans on their escape from the Achaean arrived in Sicily by boat and as they settled near the border with the Sicilians all together they were named Elymi: their towns were Segesta and Erice.» This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchise, by his son Enea, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today. In Erice you can admire the Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo.

Splendid beaches are to be found at San Vito Lo Capo, Scopello, and Cornino, and a wild and rocky coast around Monte Cofano: all at less than one hour's drive from Erice.

More information about the other activities of the
«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE
can be found on the WWW at the following address:
<http://www.ccsem.infn.it>