INTERNATIONAL SCHOOL OF CARDIAC SURGERY

7th Course: IMAGING AND THE HEART

ERICE–SICILY: 9 – 14 APRIL 2017

SPONSORED BY:
• Italian Ministry of Education, University and Scientific Research
• Sicilian Regional Government
• Policlinico di Monza Foundation
• Italian Society for Cardiac Surgery

TOPICS AND LECTURERS

Pathological substrates of imaging alterations in cardiovascular diseases
3D echocardiography, magnetic resonance, computed tomography, nuclear cardiology: Current advances and future developments
3D Echo in the evaluation of mitral valve disease and timing of mitral valve repair surgery
Quantitative image processing and computational modelling for valvular assessment
Cognition guided heart surgery. Computer assisted valve analysis by optical tracking system: An update on degenerative mitral valve regurgitation: From geometrical echo concepts to successful surgical repair
Role of imaging investigation in the planning of surgical and interventional procedures to correct degenerative and functional mitral regurgitation
Role of imaging investigation in the evaluation of tricuspid regurgitation and in the planning of its surgical correction
Right ventricular function and its prognostic role in patients undergoing valve surgery: How to assess the right ventricle
The role of imaging in the assessment and treatment of advanced heart failure
Imaging techniques for the assessment of myocardial viability and for the planning of surgical ventricular restoration
The role of imaging in decision-making for the surgical treatment and the use of mechanical circulatory support devices for end-stage heart failure
Vulnerable plaque of the coronary arteries: The role of CT scan
Molecular MRI: Can we distinguish plaque morphology in coronary artery disease?
CT coronary arteriogram — does it replace conventional angiography?
Imaging for surgical intervention on the aortic valve and root
Imaging for surgical intervention on the aortic arch and the descending thoracic aorta
Imaging in the hybrid operating room. How does it really help in TAVR, TCV and TEVAR? Use of fusion imaging
Preoperative imaging and its intraoperative arcative application for the prevention of symptomatic spinal cord ischemia
Advances in imaging for the assessment of congenital heart disease
Congenital coronary artery anomalies
Magnetic resonance evaluation of Guch patients
Imaging tools for the surgical planning of hypertrophic cardiomyopathy

PURPOSE OF THE COURSE

This interactive Course is dedicated to all health care professionals involved in the diagnosis and the treatment of diseases of the heart and great vessels, especially to cardiologists, cardiac surgeons, radiologists. It is designed to convey the experience of an interdisciplinary Faculty in providing a comprehensive survey of the advances in their contemporary and forthcoming adoptions in diverse clinical scenarios. These topics will be highlighted, appraised and discussed in depth, so that, at the completion of the Course, participants will have had the opportunity to gain a thorough knowledge of the state of the art of the most innovative scientific and technological advances in the field of imaging and in their most appropriate implementation in the different aspects of cardiovascular pathology.

APPLICATIONS

Persons wishing to attend the Course should send an application, preferably by electronic mail to:
Professor Ugo Filippo TESLER
email: hugo@iol.it

Specifying:

i) Date and place of birth together with present nationality
ii) Present position and place of work
iii) An abstract, if they wish to give a contribution (oral or poster).

PLEASE NOTE

Participants should arrive in Erice on 9 April not later than 5 pm.

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 foundation 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 Achaïans arrived in Sicily by boat and as they settled near the border with the Sicanians all together they were named Elymians: their towns were Segesta and Erice.» This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchises, by his son Aeneas, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 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 Castles 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 (Elyman), and Selinunte (Greek). On the Aegean 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 grottose of Favigonna, 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 «Ettore Majorana» Foundation and Centre for Scientific Culture can be found on the WWW at the following address:
http://www.ccsem.infn.it