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REGISTRATION FEES

€ 600 (VAT excluded)

Including:

- Admission to all theoretical and practical sessions
- Congress materials
- Lunches

€ 50 (VAT excluded)

- Social Dinner

€ 750 (VAT excluded)

Including:

- Admission to all theoretical and practical sessions
- Congress materials
- Lunches and Social Dinner
- Hotel Accommodation (1 night - March 13th)

(VAT not applied for foreigners attendees)

FOR ITALIAN ATTENDEES

CARDIOLOGIA
MALATTIE DELL'APPARATO RESPIRATORIO
MEDICINA DELLO SPORT
MEDICINA DEL LAVORO E SICUREZZA DEGLI AMBIENTI DI LAVORO
13 crediti ECM

OBIETTIVO FORMATIVO

Contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica

INFO & REGISTRATION

Provider ECM & Organizing secretariat

LT3 s.r.l.
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SCIENTIFIC SECRETARIAT

Marco Guazzi - Centro E. Malan
IRCCS Policlinico San Donato
Milan University

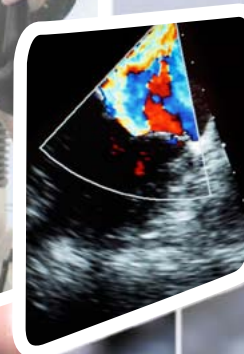
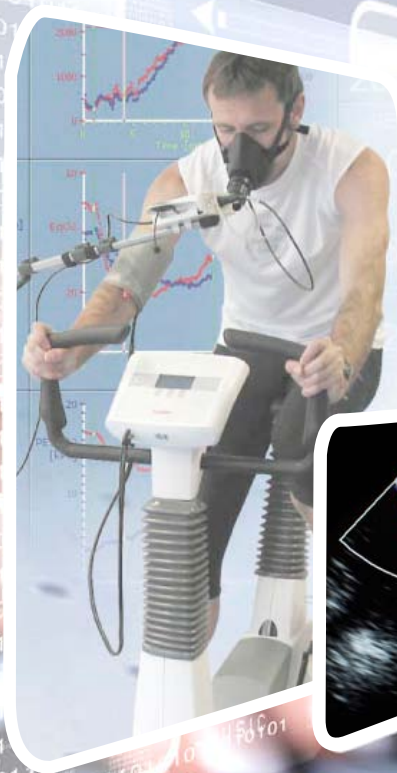
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LT3

13th-14th
MARCH
2014

**IRCCS POLICLINICO
SAN DONATO**
Aula Magna
Piazza Edmondo Malan, 2
San Donato Milanese - MI

Course Director
PROF. MARCO GUAZZI
U.O. Insufficienza Cardiaca
e Cardiomiopatie



FIRST ANNOUNCEMENT

2nd THEORETICAL
AND PRACTICAL
COURSE:

APPLICATIONS AND DEVELOPMENTS OF
**CARDIOPULMONARY
TEST**

AND STRESS ECHOCARDIOGRAPHY
IN CARDIOLOGY

Specific Course objectives will be:

1. To recognize and interpret the pathophysiological bases of functional limitation in cardiac patients
2. To combine gas exchange analysis phenotypes with left and right cardiac hemodynamics
3. To make uniform across laboratories the test interpretation and reports as proposed in the 2012 EACPR/AHA CPX Statement
4. To identify future common area of research and development

Faculty

FRANCESCO BANDERA
Heart Failure and Cardiomyopathies Unit - IRCCS Policlinico San Donato

ROMUALDO BELARDINELLI
Cardiac Rehabilitation, Ospedale Lancisi, Ancona

UGO CORRÀ
Cardiac Rehabilitation, Fondazione Maugeri, IRCCS, Veruno

STEFANO GHIO
S.C. Cardiology, Fondazione IRCCS, Policlinico San Matteo, Pavia

MARCO GUAZZI
Heart Failure and Cardiomyopathies Unit - IRCCS Policlinico San Donato

MAURO MARZORATI
Institute of Bioimaging and Physiology, CNR, Segrate

ALESSANDRO MEZZANI
Cardiac Rehabilitation, Fondazione Maugeri, IRCCS, Veruno

ROBERT NAEIJE
Department of Physiology, Erasme Campus of The Free University of Bruxelles

PIER LUIGI TEMPORELLI
Cardiac Rehabilitation, Fondazione Maugeri, IRCCS, Veruno

WALTER ZAGGIA
Technical Manager, Sesto Fiorentino

Thursday 13th MARCH

THEORY AND PRACTICE

h 12.30 - 1.30 pm
Buffet and Registration

h 1.30 - 1.40 pm
Introduction to the course M. Guazzi

h 1.40 - 2.00 pm
Cardiopulmonary Test in Cardiology - Update 2014
M. Guazzi

h 2.00 - 3.40 pm
Principles and physiological bases of physical performance:
● Cardiac output and O₂ extraction M. Marzorati
● LV-RV and lung interdependence: parallel vs series R. Naeije
● The dynamic of ventilatory response and gas exchange M. Guazzi

h 3.40 - 4.00 pm
Questions

h 4.00 - 4.30 pm
Break

h 4.30 - 5.00 pm
The combination of cardiopulmonary test and stress echo: methodology and technical implications F. Bandera

h 5.00 - 5.30 pm
Technical bases: principles of calibration and data validation W. Zaggia

h 5.30 - 6.30 pm
Live Connection with Brigham and Woman Hospital Advanced CPET Laboratory (Boston USA): CPET-invasive hemodynamic study
DISCUSSANTS R. Naeije, M. Guazzi

h 8.30 pm
Social Dinner

Thursday 14th MARCH

CLINICAL CASES

h 8.30 - 11.00 am
Live Connection with Cardiopulmonary Laboratory and Imaging: 2 combined CPET-Echo tests
DISCUSSANTS M. Guazzi, R. Naeije

h 8.30 - 11.00 am
Cardiopulmonary testing and end-points: time for multicenter trials?
U. Corrà

h 3.00 - 3.20 pm
Coffe-break

h 3.20 - 3.40 pm
Stress echocardiography and analysis of expired gases: a world to discover
MODERATORS P.L. Temporelli, M. Guazzi

h 11.00 - 11.30 am
Coffee break

h 11.30 - 12.30 am
The report

h 3.40 - 4.00 pm
Determinants of functional capacity: right heart-pulmonary circulation coupling
R. Naeije

h 12.30 am - 2.00 pm
Lunch

MINI-SYMPOSIUM
The assessment of expired gases in heart disease: future developments and applications
MODERATORS R. Belardinelli, U. Corrà

h 4.00 - 4.20 pm
Mitral dynamic regurgitation: how to measure it and what phenotypes
F. Bandera

h 2.00 - 2.20 pm
The test in cardiac rehabilitation: what in addition to VO₂? A. Mezzani

h 2.20 - 2.40 pm
Analysis of expired gases: an added value in the assessment and therapeutic approach of ischemic patient
R. Belardinelli

h 2.40 - 3.00 pm
Pulmonary arterial hypertension and cardiopulmonary exercise testing: clinical relevance and therapeutic implications S. Ghio

h 4.20 - 4.40 pm
The cardiopulmonary exercise testing combined with stress echocardiography: when the pathophysiology guides therapies in HF and COPD P.L. Temporelli

h 4.40 - 5.00 pm
Questions

h 5.00 - 5.20 pm
Take home messages and closing remarks M. Guazzi