



12th - 13th
MARCH 2015

Course Director
PROF. MARCO GUAZZI
Heart Failure and
Cardiomyopathies Unit

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

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

FABIANO DI MARCO

Pneumology, San Paolo Hospital, Milano

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,
Erasmus Campus of The Free
University of Bruxelles

WALTER ZAGGIA

Technical Manager, Sesto Fiorentino

**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 12th)

(VAT NOT APPLIED FOR
FOREIGN 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.
Via Regina, 61 - 22012 Cernobbio (CO)
Tel. +39 031 511626 - Fax +39 031 510428
stefania.bianchi@lt3.it

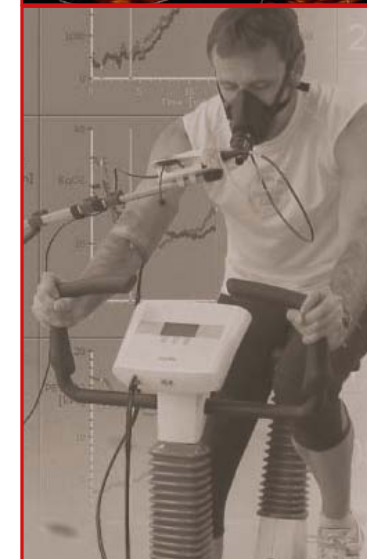
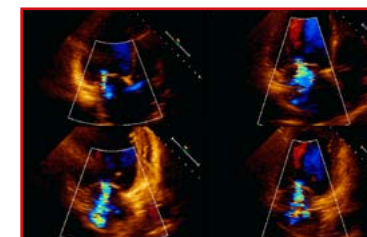
SCIENTIFIC SECRETARIAT

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

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**FIRST
ANNOUNCEMENT**

**3rd
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

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 2015

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 - 6.00 PM

Live Connection with Cardiopulmonary with Brigham and Woman Hospital Advanced CPET Laboratory



D. SYSTROM

(BOSTON USA):

CPET-invasive hemodynamic study

DISCUSSANTS: R. NAEIJE, M. GUAZZI

H 8.30 PM SOCIAL DINNER

H 8.30 - 11.00 AM

Live Connection with Cardiopulmonary Laboratory and Imaging: 2 combined CPET-Echo tests

DISCUSSANTS: M. GUAZZI, R. NAEIJE

H 11.00 - 11.30 AM COFFEE BREAK

H 11.30 - 12.30 AM

The report

M. GUAZZI

MINI-SYMPOSIUM

The assessment of expired gases in heart disease: future developments and applications
MODERATORS: R. BERARDINELLI, U. CORRÀ

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

Cardiopulmonary exercise testing in COPD: When the pathophysiology guides the therapy
F. DI MARCO

H 3.00 - 3.20 PM

Cardiopulmonary testing and end-points: time for multicenter trials?

U. CORRÀ

H 3.20 - 3.40 PM COFFEE-BREAK

Stress echocardiography and analysis of expired gases: a world to discover

MODERATORS: S. GHIO, M. GUAZZI

H 3.40 - 4.00 PM

Mitral dynamic regurgitation: how to measure it and what phenotypes

F. BANDERA

H 4.00 - 4.20 PM

Determinants of functional capacity: right heart pulmonary circulation coupling

R. NAEIJE

H 4.20 - 4.40 PM

Cardiopulmonary exercise testing or pharmacological echo in the assessment of pulmonary arterial hypertension?

S. GHIO

H 4.40 - 5.00 PM

Questions

H 5.00 - 5.20 PM

Take home messages and closing remarks

M. GUAZZI