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DATE AND COURSE LOCATION

March 21st/22nd
IRCCS Policlinico San Donato
Aula Magna
Piazza Edmondo Malan, 2
San Donato Milanese (MI)

SCIENTIFIC SECRETARIAT

Marco Guazzi - Centro E. Malan
IRCCS Policlinico San Donato
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ACCREDITATION (Continuing Medical Education)

The 7th THEORETICAL AND PRACTICAL COURSE: APPLICATIONS AND DEVELOPMENT OF CARDIOPULMONARY TEST AND STRESS ECHOCARDIOGRAPHY IN CARDIOLOGY is accredited for the Continuing Medical Education and training plan.

The Congress is accredited for 30 participants and will give the following credits: 14

Categories: Physicians (all professions).
In compliance with CME guidelines, fellows and other medical professions are not allowed to claim credits.

How to obtain credits:

collect your CME documents upon registration; 100% presence during the Scientific Program. CME documentation, filled in and signed, must be returned to the Secretariat Desk at the end of the Congress. We remind you that credits will be granted only after the Congress. CME scientific members will only validate questionnaires with at least 80% correct answers.

REGISTRATION FEES

- Registration 550,00€ + VAT for Physicians (included Admission to all theoretical and practical sessions, congress materials, lunches, social dinner hotel accommodation - 1 night)
- Reduced fee 350€+ VAT for Nurses, Physiotherapists, Radiology, Technicians, Residents Fellows in training

For any information or clarification about registration fees and requirements please call Alessia Spina (+39 0252774219) or e-mail alessia.spina@grupposandonato.it

Cancellation policy:

Cancellation must be notified to the Commissioning Secretary, Alessia Spina, in written form only. If the cancellation is communicated before February 22nd 2019 30% of the Registration fee will be refunded. After that date, no refund will be possible.

Registration is required for all congress participants.

Registration can be sent to Alessia Spina by e-mail (alessia.spina@grupposandonato.com) by and no later than March 8th 2019.

COMMISSIONING SECRETARY

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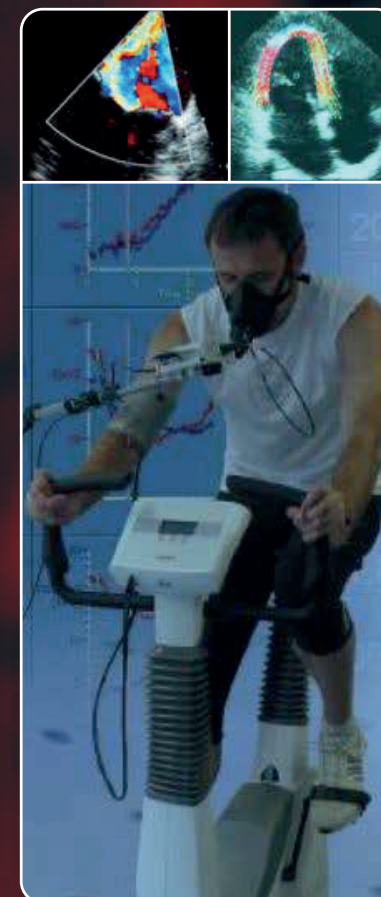
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DI MILANO



I.R.C.C.S. Policlinico
San Donato

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The 7th THEORETICAL AND PRACTICAL COURSE: APPLICATIONS AND DEVELOPMENT OF CARDIOPULMONARY TEST AND STRESS ECHOCARDIOGRAPHY IN CARDIOLOGY



March, 21st/22nd 2019
IRCCS Policlinico San Donato



RATIONALE OF THE COURSE

The main idea behind is to increase the awareness on CPET proposing also its combined use with Stress Echocardiography.

Specific Course objectives will be:

To recognize and interpret the pathophysiological bases of functional limitation in cardiac patients

To combine gas exchange analysis phenotypes with left and right cardiac hemodynamics

To propose the advanced use of 3D echo

To make the test interpretation and reports uniform across laboratories, as proposed in the 2012 EACPR/AHA CPET Statement and 2016 update

To identify future common area of research and development

These aims would likely help to place CPET under its most modern view and, hopefully, comprehensive and appealing settings, making the Cardiological community more sensitive to the clinical and research implications of the test.

Day 1, March 21st

11.00 Registration

11.15 Introduction to the course (*M. Guazzi*)

11.15 – 12.45 How to session 1

Group A - CPET made easy: general overview and evaluation of normal subject – practice in the lab (*M. Guazzi*)

Group B - Focus on the Right Ventricle - RV and exercise: how to evaluate it – practice with workstation and 3D simulation (*F. Bandera*)

12.45 – 13.30 Lunch

13.30 – 15.00 How to session 2

- **Group B** - CPET made easy: general overview and evaluation of normal subject – practice in the lab (*M. Guazzi*)

- **Group A** - Focus on the Right Ventricle - RV and exercise: how to evaluate it – practice with workstation and 3D simulation (*F. Bandera*)

15.00 – 15.30 Principles and physiological bases of physical performance: cardiac output and O₂ extraction (*M. Guazzi*)

15.30 – 16.00 Exercise ventilation and pulmonary hemodynamics (*R. Naeije*)

16.00 – 16.30 Limitation of exercise performance by valvular heart disease (*M. Guazzi*)

16.30 – 17.30 Live case of invasive CPET (Boston)



Discussants: *M. Guazzi, R. Naeije*

17.30 – 18.00 Coffee Break

18.00 – 18.40 The combination of cardiopulmonary test, stress echo and advanced imaging: methodology and technical implications (*F. Bandera*)

20.30 Social dinner

Day 2, March 22nd

8.30 – 09.00 CPET in Japan: the other side of the moon (*T. Sugimoto*)

09.00 – 10.00 Live Connection with Cardiopulmonary Laboratory and Imaging:
1st combined CPET-Echo test
Discussants: *M. Guazzi, R. Naeije*

10.00 – 10.45 Lecture: Pathophysiology of the right heart at rest and during exercise (*R. Naeije*)

10.45 – 11.15 Coffee Break

11.15 – 12.15 Live Connection with Cardiopulmonary Laboratory and Imaging: 2nd combined CPET-Echo test
Discussants: *M. Guazzi, R. Naeije, HJ. Bogaard*

12.15 – 13.00 Pulmonary hypertension: basic science insights (*HJ. Bogaard*)

13.00 – 14.00 Lunch

14.00 – 15.30 Mini-symposium:

The assessment of expired gases in heart and lung diseases: future developments and applications

Moderators: *M. Guazzi, R. Naeije*

1. COPD and heart failure comorbidity: exercise phenotypes and new drugs for treating expiratory limitation (*HJ. Bogaard*)

2. Exercise limitation in HFpEF. Third generation betablockers and neprilysin inhibitors (*V. Labate*)

3. Analysis of expired gases: an added value in the assessment of hypertrophic cardiomyopathy.
(*K. Smarz*)

4. Cardiopulmonary testing applications in LVAD (*U. Corrà*)

15.30 – 15.45 Coffee Break

15.45 – 17.15 Stress echocardiography and analysis of expired gases: a world to discover
Moderators: *S. Ghio, U. Corrà*

1. Determinants of functional capacity: differences between heart failure and pulmonary hypertension (*R. Naeije*)

2. CPET or RV imaging in pulmonary arterial hypertension: what is the key for the management? (*S. Ghio*)

3. Role of exercise testing in the assessment of pulmonary hypertension (*F. Bandera*)