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March 30th/31st, 2017
Aula Magna
IRCCS Policlinico San Donato
Piazza Edmondo Malan, 2
20097 San Donato Milanese (MI)

SCIENTIFIC SECRETARIAT

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The 5th 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: 15,2

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 75% correct answers.

REGISTRATION FEES

- Registration fee: € 530,00 (VAT included) for Physicians (includes admission to all theoretical and practical sessions, congress materials, lunches, social dinner, hotel accommodation - 1 night - travels not included)
- For Residents and Fellows in training: halved fee € 260,00

For any information or clarification about registration fees and requirements please call SUMMEET S.r.l. (+39 0332 231416) or email info@summeet.it

Cancellation policy:

Cancellation must be notified to the Commissioning Secretary, SUMMEET, in written form only. If the cancellation is communicated before March, 15th 2016, 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 SUMMEET S.r.l. by fax (+39 0332 317748) or via e-mail (info@summeet.it), by and no later than March 7th, 2016.

COMMISSIONING SECRETARY

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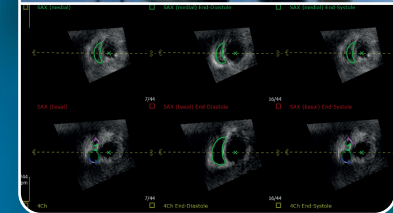
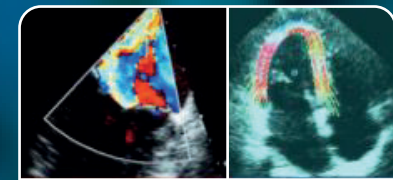


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I.R.C.C.S.
POLICLINICO SAN DONATO

The 5th THEORETICAL AND PRACTICAL COURSE: APPLICATIONS AND DEVELOPMENT OF CARDIOPULMONARY TEST AND STRESS ECHOCARDIOGRAPHY IN CARDIOLOGY



March, 30th/31th 2017
IRCCS Policlinico San Donato

RATIONALE OF THE COURSE

The main idea behind is to increase the awareness on the cardiopulmonary interactions by CPET proposing also its combined use with Stress Echocardiography and Advanced Imaging.

Specific Course objectives will be:

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

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


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

To propose the advanced use of 3D echo by its applications during exercise.

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.

THURSDAY, MARCH 30TH

- 11.00 Registration
- 11.15 Introduction to the course
(M. Guazzi)
- 11.20 How to session 1
Group A - CPET made easy: general overview and evaluation of normal CPET response – practice in the lab
Group B - Focus on the right ventricle - RV and exercise: how to evaluate it – practice with workstation and 3D simulation
- 12.45 Lunch
- 13.30 How to session 2
Group B - CPET made easy: general overview and evaluation of normal CPET response – practice in the lab
Group A - Focus on the right ventricle - RV and exercise: how to evaluate it – practice with workstation and 3D simulation
- 15.00 Principles and physiological bases of physical performance: cardiac output and O₂ extraction
(M. Guazzi)
- 15.30 LV-RV and lung interdependence: parallel vs series
(AV Noordegraaf)
- 16.00 The ventilatory response to exercise in health and disease
(F. Di Marco)
- 16.30  Live Connection with Brigham and Woman Hospital Advanced CPET Laboratory
D. Systrom (Boston USA):
CPET-invasive hemodynamic study
Discussants: M. Guazzi, AV Noordegraaf
- 17.30 Coffee Break
- 17.45 The combination of cardiopulmonary test and stress echo: methodology and technical implications
(F. Bandera)
- 18.15 Advanced 3D echocardiographic evaluation of LV and RV: what can add to CPET
(C. Palumbo)
- 20.30 Social dinner

FRIDAY, MARCH 31ST

- 08.30 Lecture: Imaging of the right heart at rest and during exercise
(AV Noordegraaf)
- 09.00 Live Connection with Cardiopulmonary Laboratory and Imaging: 1st combined CPET-Echo test.
Discussants: M. Guazzi, AV Noordegraaf
- 10.00 Lecture: Exercise echocardiography in valvular heart disease: what are the next steps?
(J. Magne)
- 10.45 Coffee Break
- 11.15 Live Connection with Cardiopulmonary Laboratory and Imaging: 2nd combined CPET-Echo tests.
Discussants: M. Guazzi, J. Magne, AV Noordegraaf
- 12.15 The report – special cases discussion: indication to surgery in valve disease
- 13.00 Lunch
- Mini-Symposium**
- 14.00 The assessment of expired gases in heart disease: future developments and applications
Moderators: S. Ghio, A. Mezzani
- Test utility in the assessment of congenital heart disease (A. Mezzani)
 - Analysis of expired gases: an added value in the assessment and therapeutic approach of ischemic patient (R. Belardinelli)
 - CPET in heart failure preserved ejection fraction: increasing evidence (M. Guazzi)
 - CPET applications in LVAD (U. Corrà)
- 15.30 Coffee Break
- 15.45 Stress echocardiography and analysis of expired gases: a world to discover
Moderators: R. Belardinelli, U. Corrà
- Mitral dynamic regurgitation: how to measure it and what phenotypes (F. Bandera)
 - CPET in heart failure preserved ejection fraction: increasing evidence and insights on use of neprilisin inhibitors (M. Guazzi)
 - CPET or RV imaging in pulmonary arterial hypertension: what is the key for the management? (S. Ghio)
- 17.15 Questions on CPET applications
- 17.30 Take home messages and closing remarks