

## Course Introduction

The 9<sup>th</sup> INTERCEPT (INTERNational Course on Extracorporeal Perfusion Technologies) and Outcome Meeting will take place in Milan, April 12<sup>th</sup> - 14<sup>th</sup>, 2012. Following the recently updated format, this Course maintains its identity of Perfusion-oriented meeting, but includes many other aspects related to the outcome of cardiac surgery patients. We have maintained the location downtown Milan, in the Congress Center of the Michelangelo Hotel, right in front of the Railway Station. As usual this Course is directed towards cardiac anaesthesiologist, perfusionists, cardiac surgeons, intensivists, and will admit a limited number (150) of participants, in order to maintain its didactic profile. Official language is English. The structure of the Course is based on two and a half days of lectures, with a wide space dedicated to questions and answers, interactive sessions, workshops and practical sessions. Throughout the whole course, there will be many interactive sessions with electronic voting system (INTERACT with the INTERCEPT). On day 1 we will start with the Opening Lecture "Towards new concepts in outcome measurement" by Sam Nashef. The father of the EuroSCORE and the New EuroSCORE, dr. Nashef is the perfect lecturer for opening an Outcome Meeting. Then the focus will continue on transfusions and coagulation. Last year we were focused on thrombin generation; as a natural consequence, this year we will go a step forward, concentrating on all the factors that contribute to clot strength and stability after thrombin generation. Session I will address Clot Firmness, and Session 2 the puzzle of Bleeding and Bleeding definition. The focus on coagulation will continue on day 2 with the Coagulation Clinic, where the experts of the Faculty will present clinical cases to be debated with the audience. Session III will be totally dedicated to ECMO in adult and pediatric patients, with an interactive "problem solving" session. The impact of various comorbidities on outcome will be the topic of Session IV, with specific respect to kidney and AKI after cardiac surgery. Session V is an ambitious one: how can we define the efficacy of a treatment in terms of outcome? Which tools are available? Three outstanding clinical statisticians will try to clear out the clouds on RCTs, propensity-score adjusted studies, and retrospective studies. After a guest lecture from Dave Royston, the day will close with 3 workshops, respectively focused on thromboelastography, hemostatic drugs monitoring, and NIRS. Finally, on day 3, Session VI will be dedicated to new developments in CPB monitoring techniques. The closing session VII is a bit of a surprise: almost "esoteric", it explores the role of the "unexplorable" in the determination of outcome: will, religion, beliefs and others. The course will end with an interactive session with questions related to the topics treated during the course. Answers will be ranked and the best 3 participants will be awarded. The Course is accredited at a National level for medical doctors and perfusionists (ECM), at a European level by the EBAC (CME), and received 8 points as an accredited course by the European Board of Cardiovascular Perfusion (EBCP).

**Marco Ranucci, M.D.**  
Course Director

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Web-site: [www.intercepteurope.org](http://www.intercepteurope.org)

## General Information

A fixed maximum number of **150 participants** will be admitted to the Course. The official language is English. No simultaneous translation is provided.

### REGISTRATION FEE PAYMENT

The Registration Fee can be paid by credit card on the **website [www.easycongress.net](http://www.easycongress.net)**. Alternatively, it is possible to require the registration form to the Organizing Secretariat. The registration form together with the bank cheque or copy of bank transfer must be sent to the Organizing Secretariat:  
**Easy Congress Srl** · Via Console Flaminio, 19  
20134 Milan, Italy · Fax: +39.02.2159.8788

The completed registration form and relevant payment must be sent to the Organizing Secretariat **no later than March 26<sup>th</sup>, 2012**. An official invoice will be issued as a receipt for the fee payment.

Please provide the correct address details for tax purposes and your tax code or VAT registration number. Invoices to firms and institutions for the registration of employees are made out against a written request to be attached to the registration form. Please quote all necessary fiscal data.

### REGISTRATION FEE INCLUDES

- Participation in scientific sessions
- ECM/EBAC credits
- Congress kit
- Certificate of attendance

### CANCELLATION POLICY

A 30% refund of the registration fee will be paid **ONLY** for cancellations notified in writing prior to **March 26<sup>th</sup>, 2012**. **No refund will be made after the above date.**

### HOTEL ACCOMMODATION

The Hotel Accommodation Form, available on the web site [www.easycongress.net](http://www.easycongress.net), has to be completed and returned by fax no later than **March 26<sup>th</sup>, 2012** to Easy Congress Srl · Fax: +39 02 21598788. Room availability will be not guarantee after the above date.

## Faculty

A. Ballotta (Milan)  
E. Baryshnikova (Milan)  
F. Bonaguidi (Pisa)  
C. Carlucci (Milan)  
N. Cartwright (London)  
S. Castelvechio (Milan)  
F. de Somer (Gent)  
U. Di Dedda (Milan)  
S. Harwood (Toronto)  
G. Heinze (Vienna)  
M. Heringlake (Lubeck)  
A. Jeppsson (Gothenburgh)  
B. Martinez, (Udine)  
M. Massetti (Caen)  
J. Mulholland (London)  
S. Nashef (Cambridge)  
A. Nimmo (Edinburgh)  
S. Patterson (London)  
N. Rahe-Meyer (Hannover)  
M. Ranucci, (Milan)  
C. Ronco (Vicenza)  
D. Royston (Harefield)  
P. Sleight (Oxford)  
C. Solomon (Salzburg)  
B. Sorensen (London)

## Course Director

**Marco Ranucci M.D.**

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## Organizing Secretariat



**Easy Congress Srl**

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## Travel Information

### How to reach the Congress Venue

#### CENTRAL STATION

The Hotel is just steps away from Milan's Central railway Station. This means easy access into the city centre.

#### MILANO MALPENSA AIRPORT

The "Malpensa Express" train service will take you directly from the airport to Cadorna Station. Here take the underground Green Line 2 (Cologno/Gessate direction) to Central Station.

#### MILANO LINATE AIRPORT

Take bus no. 73 in the "National Arrivals Exit" area all the way to the terminal of Piazza San Babila. Go down into the Underground.

Here take the Red Line 1 (Rho Fiera Milano direction) to Cadorna Station.

From here take the Green Line 2 (Cologno/Gessate direction) to Central Station.

#### BY CAR

From any of the ring roads circling Milan follow the signs to Central Station (city centre).

## Venue

**Hotel Michelangelo**

Via Scarlatti, 33

20124 Milan (Italy)

**Milan, April 12<sup>th</sup> - 14<sup>th</sup>, 2012**  
**9<sup>th</sup> International Course**  
**on Extracorporeal**  
**Perfusion Technologies**

**Hotel Michelangelo - Milan (Italy)**

# INTERCEPT

# 2012

The OUTCOME MEETING

**Course Director: Marco Ranucci, M.D.**  
IRCCS Policlinico S. Donato - Milan (Italy)



**The European Board**  
of Cardiovascular Perfusion



IRCCS - POLICLINICO SAN DONATO

# DAY 1

## Thursday, April 12<sup>th</sup>

08.30 Participants registration

09.00 Course introduction  
*M. Ranucci (Milan)*

### Opening Lecture

09.15 Towards new concepts in outcome measurement  
*S. Nashef (Cambridge)*

### Session Ia A focus on clot firmness

*Chair: M. Ranucci and N. Rahe-Meyer*

10.00 Clot firmness: what happens after thrombin generation  
*B. Sorensen (London)*

10.30 Fibrinogen and cardiac operations  
*N. Rahe-Meyer (Hannover)*

### 11.00 Coffee Break

11.30 Measuring fibrinogen: thromboelastography, thromboelastometry, Clauss method  
*C. Solomon (Salzburg)*

12.00 INTERACT with the INTERCEPT: Clot firmness and point-of-care tests Clinical cases, Qs & As  
**Discussant: M. Ranucci (Milan)**

### 13.00 Lunch Break

### Session Ib Contributors of clot firmness

*Chair: M. Ranucci and A. Nimmo*

14.30 Factor XIII - lights and shadows  
*A. Jeppsson (Gothenburgh)*

15.00 The role of natural anticoagulants  
*M. Ranucci (Milan)*

15.30 Fibrinogen and platelets: building the wall  
*E. Baryshnikova (Milan)*

16.00 Fibrinogen in major vascular surgery  
*A. Nimmo (Edinburgh)*

### 16.30 Coffee Break

### Session II Bleeding and bleeding definitions

*Chair: M. Ranucci*

17.00 Towards a universal definition of postoperative bleeding in cardiac surgery  
*M. Ranucci (Milan)*

17.20 Bleeding without transfusions, transfusions without bleeding  
*U. Di Dedda (Milan)*

# DAY 2

## Friday, April 13<sup>th</sup>

08.30 INTERACT with the INTERCEPT: The Coagulation Clinic Clinical cases presentations with Interactive Questions & Answers  
*M. Ranucci, C. Solomon, A. Jeppsson and the Audience*

### Session III ECMO in clinical context

*Chair: M. Ranucci and M. Massetti*

09.30 Post-cardiotomy ECMO in adults: limits, indications, outcomes  
*M. Massetti (Caen)*

09.50 Post-cardiotomy ECMO in infants: limits, indications, outcomes  
*C. Carlucci (Milan)*

10.10 Anticoagulation protocols in ECMO: changing the paradigm?  
*A. Ballotta (Milan)*

### 10.30 Coffee break

11.00 INTERACT with the INTERCEPT: What should I do with this ECMO problem? Clinical cases presentations with Interactive Questions & Answers  
*M. Ranucci and M. Massetti*

### Session IV Acute kidney injury in cardiac surgery

*Chair: M. Ranucci and F. de Somer*

12.00 Modifiable and non-modifiable risk factors  
*M. Ranucci (Milan)*

12.20 The goal-directed perfusion concept  
*F. de Somer (Gent)*

12.40 The AKI pattern in newborns: novel treatment strategies  
*C. Ronco (Vicenza)*

### 13.00 Lunch Break

### Late breakings in Clinical Trials

14.30 Preoperative AT supplementation in cardiac surgery: a randomized, controlled trial  
*E. Baryshnikova (Milan)*

### Session V Assessing treatment effects: RCTs, pragmatic trials, propensity adjusted studies

*Chair: M. Ranucci and S. Patterson*

15.00 Randomized controlled trials: still the gold standard for evidence-based medicine?  
*N. Cartwright (London)*

15.20 Pragmatic trials: the real guide for clinical decision-making?  
*S. Patterson (London)*

15.40 Non-randomized studies with propensity-score analysis: just hypothesis generators?  
*G. Heinze (Vienna)*

### Guest Lecture

16.00 Frailty, age, and hemostatic/inflammatory response  
*D. Royston (Harefield)*

### 16.30 Coffee Break

### 17.00-18.00 The INTERCEPT Seminars (50 participants for each Seminar)

**HALL 1** Thromboelastography in clinical context  
**Tutor: B. Martinez**

**HALL 2** Monitoring pro-hemostatic drugs  
**Tutor: M. Ranucci**

**HALL 3** NIRS: an outcome predictor?  
**Tutor: M. Heringlake**

# DAY 3

## Saturday, April 14<sup>th</sup>

### Session VI CPB and monitoring

*Chair: M. Ranucci and S. Harwood*

08.40 What does the future hold for Destination Mechanical Circulatory Assistance?  
*S. Harwood (Toronto)*

09.00 Near-infrared spectroscopy and other cerebral monitoring techniques  
*M. Heringlake (Lubeck)*

09.20 Hemoglobin, pump flow and DO<sub>2</sub>  
*J. Mulholland (London)*

### Guest Lecture

09.40 Risk stratification: from statistics towards physiology  
*S. Castelveccchio (Milan) and M. Ranucci (Milan)*

### 10.00 Coffee break

### Session VII Philosophy, religion, and outcome

*Chair: M. Ranucci and P. Sleight*

10.30 MAGISTRAL LECTURE Prayer, mantras, and the autonomic nervous system  
*P. Sleight (Oxford)*

11.00 Approaching Jehova Witnesses in cardiac surgery  
*M. Ranucci (Milan)*

11.20 Religiosity and survival after organ transplantation  
*F. Bonaguidi (Pisa)*

11.40 INTERACT with the INTERCEPT The 20 MCQs game: check your knowledge and get rewarded

12.30 Final remarks

# PRELIMINARY PROGRAMME