

Course Introduction

The 13th INTERCEPT (INTERNational Course on Extracorporeal Perfusion Technologies) will take place in Milan, April 21st-23rd, 2016. For this edition, we have prepared an exciting scientific program, with international speakers coming from all over Europe. Following the tradition of the INTERCEPT, the first day will be dedicated to anemia, hemostasis and coagulation issues. We will hear the latest news about the impact of anemia on outcomes with an opening lecture from Christa Boer, a recognized international expert in the field of anemia, hemodilution, and microcirculation. The effects of anemia on outcomes will be the focus of Session I. Session II contains a bullet Hemostasis and Coagulation Course, including the latest information on point-of-care tests and substitution therapies. On day 2, the works will be opened by a guest lecture from Luciano Gattinoni on the role of hyperfibrinolysis in severe sepsis. The following session III will deal with monitoring systems: in four separated sub-sessions, we will address macro-hemodynamics, oxygen and carbon dioxide-related data monitoring, visceral function monitoring, and brain function monitoring. Day 3 will host Session IV, dedicated to ECMO issues, and session V, dedicated to CPB. In the middle, a special lecture from Alain Combes will address Post-cardiotomy ECMO problems. Throughout the whole meeting there will be specific Interactive Q&A sessions (Interact with the INTERCEPT), and day 2 will be closed by three INTERCEPT Seminars. We hope and believe to have settled an interesting scientific program, and we wait for you to attend the INTERCEPT and visit Milan in April 2016.

Marco Ranucci, MD, FESC
The INTERCEPT Director

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Faculty

S. Agarwal, Liverpool
A. Anselmi, Rennes
H.D. Aya, London
E. Baryshnikova, Milan
M.J. Bennett, Plymouth
P. Bianchi, Milan
C. Boer, Amsterdam
C. Carlucci, Milan
P. Cogo, Rome
D. Colella, Rome
A. Combes, Paris
M. Cotza, Milano
R. De Paulis, Rome
L. De Pietri, Modena
A. Del Felice, Padua
L. Gattinoni, Gottingen
K. Gorlinger, Munich
H.V. Groesdonk, Homburg
F. Guarracino, Pisa
E.A. Jankowska, Wroclaw
A.A. Klein, Cambridge
S.A. Kozek-Langenecker, Wien
G. Landoni, Milan
M.M. Levi, Amsterdam
B. Martinez, Udine
B.M. Matata, Liverpool
A. Mattei, Rome
N. Patroniti, Monza
M. Petricevic, Zagreb
M. Ranucci, Milan
S-E. Ricksten, Goteborg
O. Schlager, Wien
S. Scolletta, Siena
M. Soehle, Bonn
D. Spahn, Zurich
J.L. Teboul, Paris
N. Vranken, Maastricht

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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.tccompany.it or www.intercepteurope.org. 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: **T&C Srl** Via Ciovasso, • 4 20121 Milan, Italy Fax.+39.02 29 53 23 09. The completed registration form and relevant payment must be sent to the Organizing Secretariat **no later than March 31st, 2016**. 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
- 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 31st, 2016**. No refund will be made after the above date.

Travel Information

VENUE

Milan Marriott Hotel
Via Washington, 66 • 20146 Milan (Italy)

HOW TO REACH THE CONGRESS VENUE

Central Station Take the underground green line M2 (direction Assago/Abbiategrasso) to Cadorna Station, then take Red line M1 (direction Bisceglie) to Wagner. From here take Via Washington, it's a 10 minute walk to the hotel or take Bus line 61 at Piazza Piemonte (direction L.go Brasilia) and get off at the second stop (Via Washington-Via Pirandello).

Milano Malpensa Airport The "Malpensa Express" train service will take you directly from the airport to Cadorna Station. Here take the underground Red Line M1 (direction Bisceglie) to Wagner. From here take Via Washington, it's a 10 minute walk to the hotel or take Bus line 61 at Piazza Piemonte (direction L.go Brasilia) and get off at the second stop (Via Washington-Via Pirandello).

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 M1 (direction Bisceglie) to Wagner. From here take Via Washington, it's a 10 minute walk to the hotel or take Bus line 61 at Piazza Piemonte (direction L.go Brasilia) and get off at the second stop (Via Washington-Via Pirandello).

By car Take highway to Milan, exit at 'Milan Viale Certosa/Fiera Milano City', follow directions for 'Centro' (city centre), turn right at Piazza Giulio Cesare, go straight, after Piazza Piemonte you will arrive in Via Washington.



Credits Requested



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Milan, April 21st-23rd, 2016
13th International Course
on Extracorporeal
Perfusion Technologies

INTERCEPT 2016

The **OUTCOME**
MEETING

Course Director: Marco Ranucci, M.D.
IRCCS Policlinico S. Donato - Milan



Under the patronage of



The European Board
of Cardiovascular Perfusion



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POLICLINICO
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MIECTIS
Minimal Invasive
Extracorporeal Technologies
International Society



Italian Association
of Cardiothoracic
Anaesthesiologists



European Association
of Cardiothoracic
Anaesthesiologists



Italian Society for
Cardiac Surgery



Associazione Nazionale
Perfusionisti in
Cardioangiologia

DAY 1

Thursday, April 21st

08.30 Participants Registration

09.00/09.15 Course introduction
M. Ranucci (Milan)

Opening Lecture

09.15/10.00 Anemia, surgery, and microcirculation
C. Boer (Amsterdam)

Session IA The effects of anemia in different surgical scenarios
Chair: C. Boer and M. Ranucci

10.00/10.20 Bloodletting in cardiac surgery care: a twilight saga?
M. Ranucci (Milan)

10.20/10.40 Preoperative intravenous iron to treat anemia in major surgery
A.A. Klein (Cambridge)

10.40/11.00 Preoperative erythropoietin in cardiac surgery
R. De Paulis (Rome)

11.00/11.30 Coffee Break

11.30/12.00 Transfusions in cardiac surgery: liberal, restrictive, or patient-tailored?
G. Landoni (Milan)

Session IB The effects of anemia in different patient populations
Chair: P. Bianchi and M. Ranucci

12.00/12.20 Is there a different tolerance to anemia in infants?
C. Carlucci (Milan)

12.20/12.40 Iron deficiency in chronic heart failure patients
E. Jankowska (Wroclaw)

12.40/13.00 Is there a different tolerance to anemia in females?
P. Bianchi (Milan)

13.00/14.30 Lunch Break

14.30/15.30 INTERACT with the INTERCEPT: Anemia in cardiac surgery: before CPB, during CPB, after CPB
Interactive Questions & Answers
M. Ranucci (Milan) and the Audience

Session IIA The Shotgun Hemostasis and Coagulation Course
Chair: S.A. Kozek-Langenecker and M. Ranucci

Introductory Lecture

15.30/16.00 All the errors done in the quest for the magic bullet
M. Ranucci (Milan)

16.00/16.20 How we should interpret the hemostatic process in the surgical scenario
M. Levi (Amsterdam)

16.20/16.40 An update on the role of viscoelastic tests
S.A. Kozek-Langenecker (Wien)

16.40/17.00 An update on the role of platelet function tests
S. Agarwal (Liverpool)

17.00/17.30 Coffee Break

Session IIB The Shotgun Hemostasis and Coagulation Course
Chair: M. Ranucci and D. Spahn

17.30/17.50 How I deal with patients under novel oral anticoagulants
S.A. Kozek-Langenecker (Wien)

17.50/18.10 How I deal with patients under double anti-platelet therapy
M. Petricevic (Zagreb)

18.10/18.30 Substitution therapies: beyond fresh frozen plasma and cryoprecipitate
D. Spahn (Zurich)

DAY 2

Friday, April 22nd

08.30/09.00 INTERACT with the INTERCEPT: **Rock around the Clot**
Clinical cases presentations with Interactive Questions & Answers
M. Ranucci (Milan)

Guest Lecture

09.30/10.00 The role of hyperfibrinolysis in severe sepsis
L. Gattinoni (Gottingen)

Session IIIA Monitoring: macro-hemodynamics
Chair: M. Ranucci and S. Scolletta

10.00/10.20 Individualized DO2 targeted hemodynamic therapy in high-risk surgical patients
H.D. Aya (London)

10.20/10.40 Pulse-contour analysis: to calibrate or not to calibrate?
S. Scolletta (Siena)

10.40/11.00 Non-invasive cardiac output evaluation using a new prolonged expiration-based technique
A. Mattei (Rome)

11.00/11.30 Coffee Break

Session IIIB Monitoring: O2 and CO2 derived variables
Chair: F. Guarracino and M. Ranucci

11.30/11.50 Transcutaneous oxygen tension monitoring in critically ill patients
O. Schlager (Wien)

11.50/12.10 SvO2: strengths and limitations
F. Guarracino (Pisa)

12.10/12.30 Venous-arterial PCO2 difference in cardiovascular failure
J.L. Teboul (Paris)

12.30/13.00 INTERACT with the INTERCEPT: Intraoperative TEE
Microclips with Q & A
D. Colella, F. Guarracino and the Audience

13.00/14.30 Lunch Break

Session IIIC Monitoring: visceral function
Chair: M. Ranucci and S-E. Ricksten

14.30/14.50 New insights into renal function during CPB
S-E. Ricksten (Goteborg)

14.50/15.10 Hemodynamic monitoring during liver transplantation
L. De Pietri (Modena)

15.10/15.30 Non-occlusive mesenteric ischemia after cardiac surgery
H.V. Groesdonk (Homburg/Saar)

Session IIID Monitoring brain function
Chair: P. Cogo and M. Ranucci

15.30/15.50 Multi-site near infrared spectroscopy during CPB in pediatric patients
P. Cogo (Rome)

15.50/16.10 Cerebral autoregulation: the effects of hemodilution and pCO2 management during CPB
N. Vranken (Maastricht)

16.10/16.30 Bilateral Bispectral Index and postoperative delirium in cardiac surgery
M. Soehle (Bonn)

16.30/17.00 Coffee Break

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

HALL 1 The new-generation TEG
Tutors: *B. Martinez (Udine)* and *E. Baryshnikova (Milan)*

HALL 2 The new-generation ROTEM
Tutor: *K. Gorlinger (Munich)*

HALL 3 Anticoagulation management during ECMO
Tutor: *M. Ranucci (Milan)*

DAY 3

Saturday, April 23rd

Session IV ECMO
Chair: M. Cotza and M. Ranucci

08.30/09.00 They are still dying for bleeding and thrombosis: an integrated approach to anticoagulation in ECMO
M. Ranucci (Milan)

09.00/09.20 Setting-up a neonatal ECMO program: challenges and results
M. Cotza (Milan)

09.20/09.40 Monitoring of oxygen supply and demand during veno-venous extracorporeal membrane oxygenation
N. Patroniti (Monza)

09.40/10.00 What happens after recovery from ECMO? A patient-centered report
A. Anselmi (Rennes)

10.00/10.30 Coffee Break

Guest Lecture

10.30/11.00 ECMO in post-cardiac surgery shock
A. Combes (Paris)

Session V CPB
Chair: M.J. Bennet and M. Ranucci

11.00/11.20 Hemodilution on CPB and electric brain activity
A. Del Felice (Padua) Italy

11.20/11.40 Zero-balanced hemofiltration
B.M. Matata (Liverpool)

11.40/12.00 The effects of hemodilution in conventional CPB vs. mini-CPB
M.J. Bennett (Plymouth)

12.00/12.30 INTERACT with the INTERCEPT
The 20 MCQs game: check your knowledge and get rewarded

12.30 Final remarks