



33° Smart

Smart Meeting Anesthesia
Resuscitation Intensive Care

MiCo South Wing

Milan | May 4-6, 2022

PROGRAM

ENDORSED BY



SMART - ORGANIZING AND SCIENTIFIC COMMITTEE

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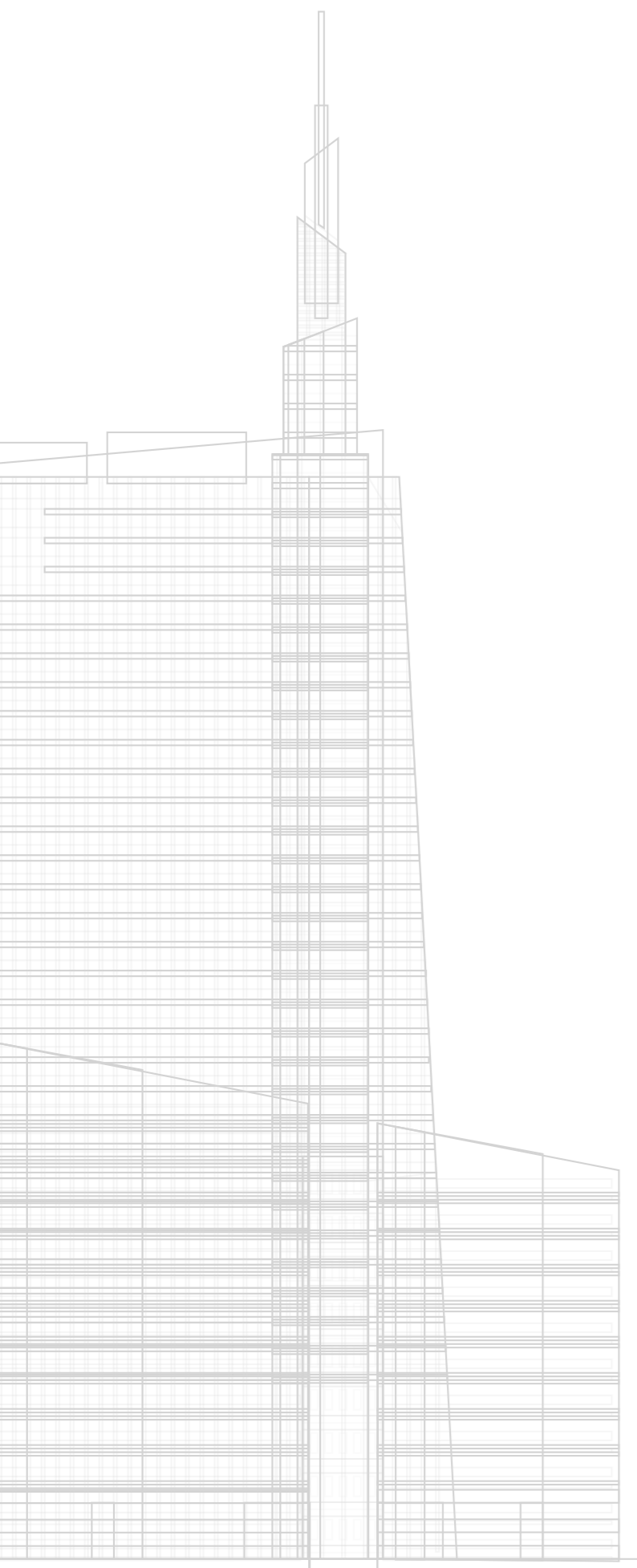
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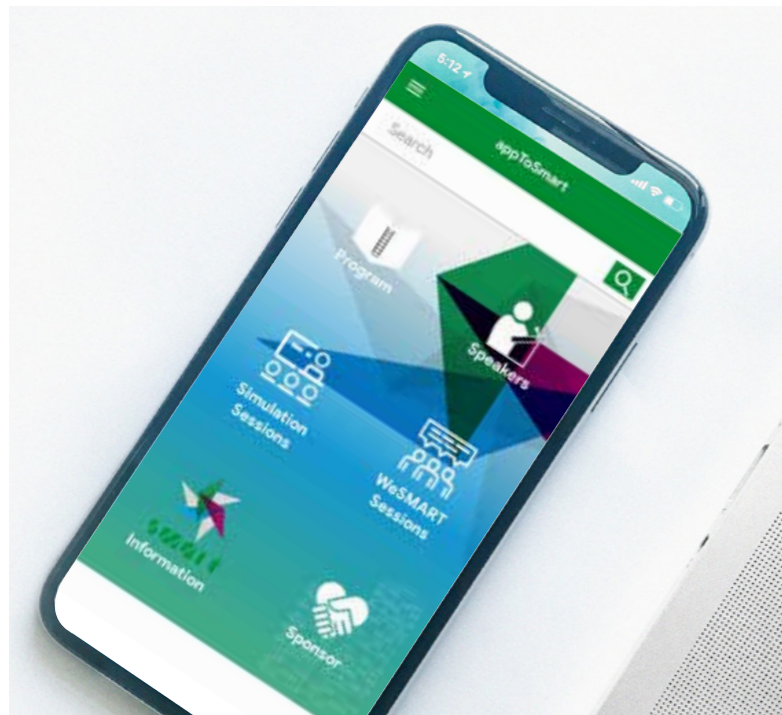
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APP TO SMART

the SMART meeting at your fingertips

Real time interaction, ballot system and all SMART info at a glance!

Interazione in tempo reale, sistema di votazione (ballot) e tutte le informazioni sempre a portata di mano!



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Sessions outlined below will be live streamed throughout the 33° SMART Meeting. Live streaming sessions are available for free, with mandatory registration, at www.e-smart2022.org, section **Live Sessions**.

*Le sessioni riportate in questa pagina saranno trasmesse in diretta streaming durante il 33° SMART. Potranno essere seguite gratuitamente, previa registrazione dei propri dati, al sito www.e-smart2022.org, sezione **Live Sessions**.*

MAY 4 | 12.45 - 14.15

AMBER HALL 1-2

LUNCH SESSION | IL PERCORSO DEL PAZIENTE IN SHOCK CARDIOGENO: UN CASO INTERATTIVO

Supported by **GETINGE**

Chairpersons: A. Pesenti, F. Sangalli

Monitoraggio emodinamico di base - G. Casella

Ottimizzazione dell'assistenza meccanica con contropulsatore e gestione clinica - S. Valente

Gestione del paziente in ECMO veno-arteriosa - F. Sangalli

Gestione ventilatoria, monitoraggio e ventilazione assistita a controllo neurale - G. Bellani



MAY 5 | 12.45 - 14.15

AMBER HALL 1-2

LUNCH SESSION | ENDOTOXEMIA IN CRITICALLY ILL PATIENTS AND ADVANCED BLOOD PURIFICATION THERAPIES

Supported by **ESTOR**

Chairpersons: R. Ferrer Roca, T. Rimmelé

Endotoxemia and endotoxic shock: rationale and pathophysiology - M. Girardis

Superimposed Infections and endotoxemia in critically ill COVID-19 patients: the gut-lung axis - R. Ferrer Roca

Complement system inhibition in septic AKI requiring RRT: role of PMMA membrane - G. Castellano

Polymyxin B hemoperfusion and SETS in endotoxic shock: timing and dose - S. De Rosa

MAY 6 | 12.45 - 14.15

AMBER HALL 1-2

LUNCH SESSION | THE ROLE OF IMMUNOGLOBULIN THERAPY IN VIRAL AND BACTERIAL COMMUNITY ACQUIRED PNEUMONIA

Supported by **BIOTEST**

Chairpersons: G. Berlot, M. Girardis

Pathobiology of viral and bacterial pneumonia: analogies and differences - A. Nierhaus

sCAP and immunoglobulin therapy: which evidences? - T. Welte

Use of immunoglobulin in viral pneumonia: theories and facts - M. Girardis

MAY 5 | 11.30 - 12.30

AMBER HALL 5-6

NONINVASIVE SUPPORT FOR ACUTE RESPIRATORY FAILURE: WHICH APPROACH FOR BETTER RESULTS?

Supported by **DIMAR**

Chairpersons: D. Chiumello, G. Conti

Patient selection - A. Coppadoro

Helmet: wet or dry? - G. Foti

Helmet - C. Brusasco

MAY 5 | 12.45 - 14.15

AMBER HALL 5-6

LUNCH SESSION | GREENING THE OPERATIVE ROOM: IS IT TIME FOR A NEW APPROACH?

Supported by **INTERSURGICAL**

Chairpersons: L. Brazzi, S. Koch

New challenges for anesthesia: the climate change - S. Koch

Sustainability at the operating room: EU status - P. Gonzalez-Pizarro

Gold in garbage: waste segregation - L. Brazzi

Surgical waste reprocessing: the new era - T. Horeman-Franse



MAY 6 | 12.45 - 14.15

AMBER HALL 5-6

LUNCH SESSION | ECOS (EXTRACORPOREAL ORGAN SUPPORT) FOCUS ON: KIDNEY-LUNG

Supported by **BAXTER**

Chairperson: C. Ronco

Terapie extracorporee e supporto polmonare: il ruolo dell'ECO2R - L. Gattinoni

Nuova piattaforma ECOS per gestire disfunzioni d'organo multiple e combinate - F. Turani

MAY 5 | 11.30 - 13.30

BROWN HALL 3

London-Milan in connection JOINT SESSION EUROELSO - SMART WHAT IS THE FUTURE FOR ECCO2R?

Moderators: L. Camporota, L. Heunks

Efficiency of ECCO2R - N. Barrett

Technical drawbacks of ECCO2R - C. Karagiannidis

ECCO2R in ARDS - T. Bein

ECCO2R in COPD - D. Brodie

Which trial(s) after the REST? - A. Combes

Combining renal and respiratory support? - A. Zanella

ROUND TABLE

What is the future for ECCO2R? - All Speakers

MAY 5 | 14.30 - 16.00

BROWN HALL 1

WHY HUMIDIFICATION IS VITAL: FROM PHYSIOLOGY TO CLINICAL EVIDENCE

Supported by **FISHER & PAYKEL HEALTHCARE**

Chairpersons: L. Brochard, A. Pesenti

Why humidification is important - P. Pelosi

Humidification with helmet CPAP - G. Foti

Humidification and HFNO - S. Jaber

Humidification in mechanically ventilated COVID-19 patients - L. Brochard

Dear colleague,

On behalf of the Organising Committee of the SMART Meeting, we would like to thank you for attending the 2022 edition of the SMART meeting, and we look forward to seeing you in Milan.

This year the SMART meeting will be full of relevant and up-to-date educational and scientific content delivered live using a variety of formats. Each session has been carefully designed and thought through with your needs in mind. We wanted to maximise the space for debate, round tables, and interactive sessions to give you the opportunity to share your experience with colleagues around the world and members of the faculty and actively contribute to discussions and debates.

To make the most of your time at the SMART meeting – please take some time to read through the format of each session so that you can take full advantage of the content and opportunity for participation.

We really hope you will find SMART meeting educational, inspiring and fun. See you in Milan!



PROGRAM

Classical Sessions *These sessions are 'high level review' of a specific topic. They reflect the current literature and contain 2-3 general take-home messages for education and discussion.*

The sessions reflect wider knowledge and their content is meant to be clinically-oriented and educational. There is a 15 min slot for general discussion at the end of each session.

Round Tables *These sessions are designed to discuss a topic with unclear evidence which admits more than one point of view. The round tables reflect these differences using data in the literature and personal experience from a variety of experts.*

The moderator will ensure that the discussion will have high quality content and that time is used effectively and that each discussant has equal opportunity to present ideas and concepts.

Back to Physiology *These sessions reflect the central importance of applied physiology in critical care. These sessions will present concepts of applied physiology at more advanced level which reflect the most current and up-to-date literature.*

Tutorials *These sessions will present the concepts of applied physiology at more basic level and are aimed at the younger audience. The emphasis here is educational value of the physiological fundamentals of critical care.*

Pro-Con *These sessions are arranged as pro con debates. Each presenter will state their case pro or against a topic and there will be time for a short rebuttal and discussion.*

Debates *These sessions are designed to stimulate a debate between speakers who will argue opposing viewpoints on a controversial topic.*

Debates with Ballot *These sessions are designed to explore the pros, the cons and the doubts around a specific topic, clinical case or clinical intervention. These sessions are interactive. The speaker will present 4 multiple choice questions each with 3 possible options. Single best option will be accepted. You will be invited to participate using a voting/polling system.*

Friday-Night Troubleshooting *These are very practical sessions meant to present how the speaker would go about addressing a specific clinical issue on an 'hypothetical Friday night'... Emphasis will be given to cases and practical advice, including what to 'watch out'.*

One-On-One Session *During these sessions each presenter discuss one of the elements of the topic particularly highlighting the differences in the pre-COVID-19 era vs during COVID-19.*

Interactive Clinical Cases *These sessions will have two moderators and two speakers. Each speaker will present a clinical case and will involve the participants either through a ballot or through open questions. Discussion among the faculty members (moderators and speakers) is essential to maximise the educational value of these sessions.*

AMBER HALL 1-2

COMPARING DATA FROM COVID-19 AND NON COVID-19 ARDS
Chairpersons: M. Cecconi, P. Pelosi

9.30 **Total lung stress as a risk factor for death**
D. Chiumello

9.45 **Does PEEP reduce respiratory drive in spontaneously breathing COVID-19 patients?**
L. Giosa

10.00 **Do intubate or do not intubate?**
M. Antonelli

10.15 **Prolonged proning: yes or no?**
G. Bellani

10.30 **Organizational issues and mortality during COVID-19 pandemic**
G. Grasselli

10.45 **Discussion**

11.00 *Coffee Break and Exhibition Visit*

DEBATE WITH BALLOT
AIRWAY MANAGEMENT IN THE OPERATING ROOM: A DEVICE OR A STRATEGY PROBLEM?
INTERACTIVE SCENARIOS WITH BALLOT
Moderator: M. Sorbello

11.30 **In awake patients**
G. Cortese

11.50 **In asleep patients**
S. Falcetta

12.10 **Discussion**

12.30 *Lunch Break*

AMBER HALL 5-6

MECHANICAL VENTILATION: AN UPDATE
Chairpersons: A. Slutsky, J. Villar

9.30 **Noninvasive support in ARF**
O. Moerer

9.50 **Awake proning: timing, physiological changes and outcomes**
J. Laffey

10.10 **Lower or higher oxygenation targets in ventilated patients**
B.S. Rasmussen

10.30 **Tracheal intubation: can we prevent the risks?**
V. Rusotto

10.50 **Discussion**

11.00 *Coffee Break and Exhibition Visit*

11.30 - 12.30
ROUND TABLE
USE AND LIMITS OF 'ARDS'
Moderators: J.J. Marini, V.M. Ranieri

Should we retire 'ARDS' or give it new clothes?
J. Laffey, A. Pesenti, A. Slutsky

12.30 *Lunch Break*

BROWN HALL 1

NEW TRENDS IN PEDIATRIC AND NEONATAL ICU
Chairpersons: G. Conti, S. Pezzato

9.30 **SARS-CoV-2 infection in neonates**
D. De Luca

9.50 **COVID-19 and MIS-C in children**
S. Pezzato

10.10 **Lung ultrasound in neonatal and pediatric COVID-19 patients**
D. De Luca

10.30 **Discussion**

11.00 *Coffee Break and Exhibition Visit*

WHAT'S NEW IN PEDIATRIC AND NEONATAL MECHANICAL VENTILATION
Chairpersons: G. Conti, D. De Luca

11.30 **Forced oscillation technique (FOT): a deeper look on lung mechanics**
R. Dellacà

11.45 **Neurally-adjusted ventilatory assist during NIV: the most synchronous support**
G. Chidini

12.00 **Not only HFO: high frequency ventilation techniques in PICU**
M. Piastra

12.15 **Discussion**

12.30 *Lunch Break*

BROWN HALL 2

BACK TO PHYSIOLOGY SEPSIS 1
Presenter: E. Bignami

9.30 **Immune response to infection**
M. Shankar-Hari

10.00 **From infection to organ dysfunction**
D. Payen

10.30 **Tissue oxygenation in distributive shock**
M. Girardis

11.00 *Coffee Break and Exhibition Visit*

BACK TO PHYSIOLOGY SEPSIS 2
Presenter: S. Rossi

11.30 **Mitochondrial dysfunction in critically ill patients**
D. Payen

12.00 **PK/PD basic rules for antibiotic use in critically ill patients**
F. Pea

12.30 *Lunch Break*

BROWN HALL 3

WHICH STUDY CHANGED YOUR PRACTICE IN THE LAST 10 YEARS
Chairpersons: M. Ostermann, A. Pesenti

9.30 **Respiratory intensive care**
G. Bellani

9.45 **Neurointensive care**
N. Stocchetti

10.00 **Fluid management**
P. Caironi

10.15 **Renal failure and CRRT**
M. Ostermann

10.30 **Sepsis**
R. Ferrer Roca

11.00 *Coffee Break and Exhibition Visit*

Which study changed your practice in... Emergency
Chairpersons: R. Fumagalli, E. Zanier

11.30 **Surgery**
F. Valenza

11.50 **Cardiac arrest**
G. Ristagno

12.10 **Post-cardiac arrest management**
C. Sandroni

12.30 *Lunch Break*

AMBER HALL 7

TUTORIALS
BASIC PHYSIOLOGY
Presenter: F. Valenza

9.30 **Management of delirium in ICU**
A. Trompeo

10.00 **Understanding a gas analysis: from numbers to the respiratory and cardiocirculatory status**
L. Camporota

10.30 **Understanding an acid-base balance**
T. Langer

11.00 *Coffee Break and Exhibition Visit*

TUTORIALS
SETTING THE VENTILATOR
Presenter: V. Fanelli

11.30 **Setting and monitoring mechanical ventilation in the restrictive patient**
S. Grasso

12.00 **Setting and monitoring mechanical ventilation in the obstructive patient**
C.A. Volta

12.30 *Lunch Break*

AMBER HALL 1-2

12.45 - 14.15
LUNCH SESSION
IL PERCORSO DEL PAZIENTE IN SHOCK CARDIOGENO: UN CASO INTERATTIVO
Supported by *GETINGE*
Chairpersons: A. Pesenti, F. Sangalli

Monitoraggio emodinamico di base
G. Casella

Ottimizzazione dell'assistenza meccanica con contropulsatore e gestione clinica
S. Valente

Gestione del paziente in ECMO veno-arteriosa
F. Sangalli

Gestione ventilatoria, monitoraggio e ventilazione assistita a controllo neurale
G. Bellani

Discussion

DEBATE WITH BALLOT - SEPSIS PROPHYLAXIS, PRE-EMPTIVE AND TARGETED ANTIMICROBIAL THERAPY IN MECHANICALLY VENTILATED PATIENTS: WHY AND WHEN
Moderators: J. De Waele, N.D. Nielsen

Questions for discussion:

14.30 **SDD prophylaxis for VAP: yes/no/maybe** G. Montrucchio

14.45 **Aggressive targeted therapy for VAP: yes/no/maybe** G. De Pascale

15.00 **Prophylaxis for IPA in COVID-19: yes/no/maybe** D. Koulenti

15.15 **Pre-emptive strategy for CMV infection: yes/no/maybe** P. Povoa

15.30 Discussion

16.00 *Break and Exhibition Visit*

DEBATE WITH BALLOT - SEPSIS SEPSIS: PERSONALIZED THERAPY BEFORE ICU
Moderators: M. Girardis, I. Martin-Loeches

Questions for discussion:

16.30 **qSOFA score is the trigger: yes/no/maybe** R. Ferrer Roca

16.45 **Antibiotics early and strong: yes/no/maybe** J. De Waele

17.00 **Fluids resuscitation first: yes/no/maybe** M. Cecconi

17.15 **Early noradrenaline: yes/no/maybe** K. Donadello

17.30 Discussion

AMBER HALL 3-4

ACUTE KIDNEY INJURY 1
Chairpersons: L.G. Forni, Z. Ricci

14.30 **Pathophysiology of COVID-19-associated AKI**
L.G. Forni

14.50 **Management of acute kidney injury associated with COVID-19**
D. Cottam

15.10 **Hemoperfusion and blood purification strategies in septic patients**
S. Romagnoli

15.30 **Cardiorenal syndrome**
Z. Ricci

15.50 Discussion

16.00 *Break and Exhibition Visit*

ACUTE KIDNEY INJURY 2
Chairpersons: V. Cantaluppi, G. Monti

16.30 **Nutrients and micronutrients at risk during renal replacement therapy**
M.M. Berger

16.50 **AKI biomarkers: how to incorporate them in the clinical practice**
M. Ostermann

17.10 **Perioperative AKI following major abdominal surgery**
L.G. Forni

17.30 Discussion

AMBER HALL 5-6

12.45 - 14.15
LUNCH SESSION
ALBUMIN
Supported by *CSL BEHRING, GRIFOLS KEDRION BIOPHARMA*
Chairpersons: P. Caironi, L. Gattinoni

Molecular-binding capacity of human albumin: from toxins to drugs
A. Di Masi

Albumin and acid-base in the critically ill: the unknown interplay
L. Giosa

Clinical use of albumin in sepsis after the 2021 SSC guideline
P. Caironi

Non-oncotic properties of albumin: where are we?
R. Jalan (*remote connection*)

Discussion

ARE WE AT A TURNING POINT WITH THE ADMINISTRATION OF ANESTHETIC DRUGS?
Chairpersons: A. Mebazaa, A. Morelli

14.30 **Pharmacokinetic-pharmacodynamic models for propofol administration in anesthesia and sedation**
M. Struys

14.50 **Pharmacokinetic-based administration of dexmedetomidine**
L.N. Hannivoort

15.10 **Ketamine: comeback of an old drug**
H. Amirfarzan

15.30 Discussion

16.00 *Break and Exhibition Visit*

WHAT HAS CHANGED IN TRAUMA MANAGEMENT IN THE LAST 10 YEARS?
Chairpersons: S. Cimbanassi, E. Gamberini

16.30 **Pre-hospital trauma care**
N. Rachedi

16.50 **Massive bleeding**
C. Samama

17.10 **Use of REBOA**
C. Coniglio

17.30 **Brain trauma**
A. Maas

17.50 Discussion

BROWN HALL 1

PEDIATRIC ANESTHESIA
Chairpersons: L. Bussolin, N. Disma

14.30 **Update on preoperative fasting**
L. Bussolin

14.50 **The use of oxygen in the operating room**
T. Riva

15.10 **What do we learn from Nectarine study?**
N. Disma

15.30 **Nociception and intraoperative pain measurement**
F. Sbaraglia

15.50 Discussion

16.00 *Break and Exhibition Visit*

HOT TOPICS IN PEDIATRIC ICU
Chairpersons: G. Chidini, M. Piastra

16.30 **Sedation and analgesia in PICU: what's new**
A. Amigoni

16.50 **Delirium in Pediatric ICU: from prevention to treatment**
C. Mondardini

17.10 **Clinical use of porcine surfactant in pediatrics**
A.M. Wolfler

17.30 Discussion

BROWN HALL 2

FRIDAY-NIGHT TROUBLESHOOTING IN METABOLIC DISTURBANCES
Presenter: K. Donadello

14.30 **Assessing acid-base status**
L. Giosa

15.00 **Assessing electrolyte disturbances**
P. Caironi

15.30 **Assessing metabolic demands**
M.M. Berger

16.00 *Break and Exhibition Visit*

FRIDAY-NIGHT TROUBLESHOOTING IN HEMODYNAMICS
Presenter: D. Pasero

16.30 **Assessing the venous function**
J.L. Teboul

17.00 **Assessing the heart pump function**
F. Guarracino

17.30 **Assessing the arterial function**
D. Payen

BROWN HALL 3

WHICH STUDY CHANGED YOUR PRACTICE IN THE LAST 10 YEARS
Anesthesia
Chairpersons: E. Bignami, A. Giarratano

14.30 **Cardiac surgery**
G. Landoni

14.50 **Non cardiac surgery**
E. De Robertis

15.10 **Locoregional anesthesia**
G. Russo

15.30 **Anesthesia depth**
S. Romagnoli

16.00 *Break and Exhibition Visit*

Which study changed your practice in... Perioperative Medicine
Chairpersons: F. Coluzzi, F. Valenza

16.30 **Ventilatory assistance**
E. Futier

16.50 **Delirium**
H. Amirfarzan

AMBER HALL 7

TUTORIALS RENAL FUNCTION
Presenter: G. Monti

14.30 **Renal physiology and mechanisms of AKI**
V. Cantaluppi

15.00 **Management of oliguria**
M. Ostermann

15.30 **CRRT**
S. De Rosa

16.00 *Break and Exhibition Visit*

TUTORIALS OPTIMIZING VENTILATION
Presenter: T. Mauri

16.30 **Respiratory mechanics**
F. Collino

17.00 **CPAP and High Flow Nasal Cannula: indications and techniques**
A. Cortegiani

17.30 **How to improve patient-ventilator synchrony**
F. Mojoli

AMBER HALL 1-2

THE INTENSIVE CARE JOURNALS IN COVID-19 TSUNAMI. LESSON LEARNED
Moderators: J.J. Marini, D. Payen

9.00 **American Journal of Respiratory and Critical Care Medicine (AJRCCM)**
L. Brochard

9.15 **Critical Care (CC)**
J.L. Vincent

9.30 **Intensive Care Medicine (ICM)**
G. Citerio

9.45 **Lancet Resp Med**
E. Grainger

10.00 **Discussion**

11.00 *Coffee Break and Exhibition Visit*

11.30 - 12.30
DEBATE - JOURNALS MY MANUSCRIPT HAS BEEN REJECTED... EXPLAIN ME HOW TO COPE AND IMPROVE
Moderator: G. Citerio
Speakers: L. Brochard, J.L. Vincent

12.30 *Lunch Break*

AMBER HALL 3-4

IS THERE A ROLE FOR EXTRACORPOREAL CO₂ REMOVAL IN ACUTE RESPIRATORY FAILURE?
Moderators: L. Camporota, M. Quintel

9.00 **Physiology of ECCO₂R**
L. Gattinoni

9.20 **Discussion**

9.30 - 11.00
ROUND TABLE ECCO₂R IN ARDS: WHY DID THE REST TRIAL FAIL?
D. McAuley, A. Pesenti, M. Quintel, V.M. Ranieri

11.00 *Coffee Break and Exhibition Visit*

IMPROVING PATIENT SATISFACTION AND USE OF RESOURCES: ACHIEVABLE GOALS?
Chairpersons: L. Brazzi, R. Monzani

11.30 **Adapting operating programs to ever-changing needs**
M.R. Capogreco

11.50 **Providing patients and staff satisfaction**
K. Meissner

12.10 **Discussion**

12.30 *Lunch Break*

AMBER HALL 5-6

PRO-CON CHALLENGES AND CONTROVERSIES IN CARDIOGENIC SHOCK MANAGEMENT
Moderators: M. Rinaldi, A.M. Scandroglio

9.00 **All patients need an invasive monitoring!**
Pro: G. De Ferrari
Con: C. Vandenbriele

10.00 **The left ventricle needs to be vented!**
Pro: A. Mebazaa
Con: F. Guarracino

11.00 *Coffee Break and Exhibition Visit*

NONINVASIVE SUPPORT FOR ACUTE RESPIRATORY FAILURE: WHICH APPROACH FOR BETTER RESULTS?
Supported by DIMAR
Chairpersons: D. Chiumello, G. Conti

11.30 **Patient selection**
A. Coppadoro

11.45 **Helmet: wet or dry?**
G. Foti

12.00 **Helmet**
C. Brusasco

12.15 **Discussion**

12.30 *Lunch Break*

BROWN HALL 1

UPDATE IN REGIONAL ANESTHESIA
Chairpersons: A. Fanelli, G. Russo

9.00 **Regional anesthesia: are we still in ultrasound revolution?**
E. Boselli

9.20 **The role of regional anesthesia during SARS-CoV-2 pandemic**
G. Cappelleri

9.40 **Erector spinae block: technique and indications in the different settings**
A. Fanelli

10.00 **Regional anesthesia and opioid-free anesthesia: two sides of the same coin**
D. Bugada

10.20 **Regional anesthesia and analgesia for breast surgery**
V. Torrano

10.40 **Discussion**

11.00 *Coffee Break and Exhibition Visit*

MECHANICAL CIRCULATORY SUPPORT: WHEN TO STEP UP AND WHEN TO STOP
Chairpersons: M. Quintel, A. Trompeo

11.30 **Cardiogenic shock: toward a standardized algorithm?**
G. Tavazzi

11.45 **Recognize the futility**
A. Sacco

12.00 **Recognize the indication**
M. Rinaldi

12.15 **Discussion**

12.30 *Lunch Break*

BROWN HALL 2

BACK TO PHYSIOLOGY PERIOPERATIVE MANAGEMENT 1
Presenter: G. Cortese

9.00 **Mechanisms of acute pain**
F. Coluzzi

9.30 **Pharmacological basis of pain treatment**
G. Russo

10.00 **Effects of different fluids (composition and volume)**
T. Langer

10.30 **Hemodynamic change during surgery**
L. Tritapepe

11.00 *Coffee Break and Exhibition Visit*

BACK TO PHYSIOLOGY PERIOPERATIVE MANAGEMENT 2
Presenter: G.L. Rosboch

11.30 **The lung during anesthesia**
M. Schultz

12.00 **Supporting the failing circulation**
A. Morelli

12.30 *Lunch Break*

BROWN HALL 3

THERAPIES IN COVID-19
Chairpersons: M. Antonelli, S. Rossi

9.00 **Antiviral treatments**
P. Povo

9.15 **Steroids**
D. Annane

9.30 **Management of coagulation**
N.D. Nielsen

9.45 **Monoclonal antibodies and convalescent plasma**
M. Shankar-Hari

10.00 **Immune modulation**
A. Nierhaus

10.15 **High flow O₂ therapy vs. noninvasive ventilation**
S.M. Maggiore

10.30 **Discussion**

11.00 *Coffee Break and Exhibition Visit*

London-Milan in connection

JOINT SESSION EUROELSO - SMART WHAT IS THE FUTURE FOR ECCO₂R?
Moderators: L. Camporota, L. Heunks from Milan

11.30 **Efficiency of ECCO₂R**
N. Barrett from London

11.45 **Technical drawbacks of ECCO₂R**
C. Karagiannidis from London

12.00 **ECCO₂R in ARDS**
T. Bein from London

12.15 **ECCO₂R in COPD**
D. Brodie from London

12.30 **Which trial(s) after the REST?**
A. Combes from London

12.45 **Combining renal and respiratory support?**
A. Zanella from London

13.00 **ROUND TABLE What is the future for ECCO₂R?**
All Speakers

13.30 *Lunch Break*

AMBER HALL 7

TUTORIALS CIRCULATION
Presenter: A. Morelli

9.00 **Monitoring hemodynamics**
R. Fumagalli

9.30 **Echo monitoring cardiac function**
G. Tavazzi

10.00 **Fluid management**
J.L. Teboul

10.30 **Cardiocirculatory drugs in the critically ill**
S. Scolletta

11.00 *Coffee Break and Exhibition Visit*

TUTORIALS ANESTHESIA 1
Presenter: L. Tritapepe

11.30 **Strategy for the difficult-to-intubate patient**
M. Sorbello

12.00 **Anesthesia in the OSAS patient**
G. Cortese

12.30 *Lunch Break*

AMBER HALL 1-2

12.45 - 14.15
LUNCH SESSION
ENDOTOXEMIA IN CRITICALLY ILL PATIENTS AND ADVANCED BLOOD PURIFICATION THERAPIES
Supported by **ESTOR**
Chairpersons: R. Ferrer Roca, T. Rimmelé

Endotoxemia and endotoxic shock: rationale and pathophysiology
M. Girardis

Superimposed Infections and endotoxemia in critically ill COVID-19 patients: the gut-lung axis
R. Ferrer Roca

Complement system inhibition in septic AKI requiring RRT: role of PMMA membrane
G. Castellano

Polymyxin B hemoperfusion and SETS in endotoxic shock: timing and dose
S. De Rosa

Discussion

OVERWHELMING INFLAMMATION DISEASES: DIAGNOSIS AND TREATMENT
Supported by **AFERETICA**
Chairpersons: G. Berlot, S. Romagnoli

14.30 Sepsis: pathophysiology and therapeutic concepts
A. Nierhaus

14.50 Overwhelming inflammation diagnosis: the role of biomarkers
G. Castellano

15.10 The role of hemoabsorption in overwhelming inflammation diseases
G. Bottari

15.30 Discussion

16.00 *Break and Exhibition Visit*

INTERACTIVE CLINICAL CASES SEPSIS
Moderator: R. Fumagalli

16.30 Invasive meningococcal disease
A. Bandera, N.D. Nielsen

17.15 Secondary infections in COVID-19
S. Busani, M. Leone

AMBER HALL 3-4

INTERACTIVE CLINICAL CASES WITH BALLOT
PERIOPERATIVE MANAGEMENT 1
Moderator: S. Rossi

14.30 Necrotizing fasciitis
K. Donadello, I. Martin-Loeches

15.15 Fluid management during surgery in abdominal sepsis
E. Futier, G. De Pascale

16.00 *Break and Exhibition Visit*

INTERACTIVE CLINICAL CASES WITH BALLOT
PERIOPERATIVE MANAGEMENT 2
Moderator: S. Rossi

16.30 Perioperative management of patients with anticoagulant therapy
M. Panigada, C. Samama

17.15 Massive obstetric hemorrhage
F. Caramelli, M. Dhanjal

AMBER HALL 5-6

12.45 - 14.15
LUNCH SESSION
GREENING THE OPERATIVE ROOM: IS IT TIME FOR A NEW APPROACH?
Supported by **INTERSURGICAL**
Chairpersons: L. Brazzi, S. Koch

New challenges for anesthesia: the climate change
S. Koch

Sustainability at the operating room: EU status
P. Gonzalez-Pizarro

Gold in garbage: waste segregation
L. Brazzi

Surgical waste reprocessing: the new era
T. Horeman-Franse

Discussion

CARDIAC DYSFUNCTION IN COVID-19: FROM CLINICAL VIGNETTE TO EVIDENCE
Moderators: F. Sangalli, G. Tavazzi

14.30 Acute cardiac injury, myocardial infarction or stress cardiomyopathy?
G. Tavazzi

14.45 Is this a myocarditis? Diagnostic clues and management tips
E. Ammirati

15.00 The right ventricle is failing: which kind of support?
C. Vandenbriele

15.15 Discussion

INTERACTIVE CLINICAL CASES WITH BALLOT ORGAN DONATION
Moderators: A. Bottazzi, A. De Gasperi

16.30 Managing a heart beating donor
M. Sacchi

17.15 Managing a non-heart beating donor
M. Zanierato

BROWN HALL 1

WHY HUMIDIFICATION IS VITAL: FROM PHYSIOLOGY TO CLINICAL EVIDENCE
Supported by **FISHER & PAYKEL HEALTHCARE**
Chairpersons: L. Brochard, A. Pesenti

14.30 Why humidification is important
P. Pelosi

14.50 Humidification with helmet CPAP
G. Foti

15.10 Humidification and HFNO
S. Jaber

15.30 Humidification in mechanically ventilated COVID-19 patients
L. Brochard

15.50 Discussion

16.00 *Break and Exhibition Visit*

16.30 - 18.30
Riunione Gruppo di Studio ALBIOSS-BALANCED

BROWN HALL 2

FRIDAY-NIGHT TROUBLESHOOTING IN VENTILATION
Presenter: F. Collino

14.30 Assessing hypoxemia: from PaO₂ to six inert gases
M. Busana

15.00 Assessing dead space and hypercapnia
L. Gattinoni

15.30 Assessing respiratory mechanics
T. Tonetti

16.00 *Break and Exhibition Visit*

FRIDAY-NIGHT TROUBLESHOOTING IN NEURO
Presenter: C. Robba

16.30 Assessing intracranial hypertension
N. Stocchetti

17.00 Assessing risk of delayed neurological deficits post-SAH
M. Oddo

17.30 Assessing delirium
R. Helbok

BROWN HALL 3

DEBATES WITH BALLOT - SEPSIS
SEPSIS: PERSONALIZED THERAPY IN ICU
Moderators: M. Leone, M. Singer

Questions for discussion:

14.30 Steroids in all shocked: *yes/no/maybe*
D. Annane

14.45 Early blood purification in sepsis: *yes/no/maybe*
S. De Rosa

15.00 Start with Vit C and metabolic resuscitation: *yes/no/maybe*
N.D. Nielsen

15.15 Immunotherapies only in randomized patients: *yes/no/maybe*
M. Shankar-Hari

15.30 Immunoglobulins for all: *yes/no/maybe*
A. Nierhaus

15.45 Discussion

16.00 *Break and Exhibition Visit*

DEBATE - MECHANICAL VENTILATION MECHANICAL VENTILATION AND BEYOND
Moderators: S.M. Maggiore, O. Moerer

16.30 How do I monitor ARF patients with NIV?
L. Heunks, T. Mauri, R. Tonelli

17.15 Is testing lung recruitability useful to set PEEP?
L. Brochard, J.J. Marini, F. Mojoli

AMBER HALL 7

TUTORIALS NUTRITION AND FLUIDS
Presenter: C.A. Volta

14.30 Energy requirements
M.M. Berger

15.00 Nutritional strategy in the critically ill
C. Ichaï

15.30 Fluid and electrolyte balance
P. Caironi

16.00 *Break and Exhibition Visit*

TUTORIALS ANESTHESIA 2
Presenter: F. Piccioni

16.30 Allergic reactions in anesthesia
P.M. Mertès

17.00 Monitoring and treating postoperative pain
D. Bugada

17.30 Arterial pressure control during anesthesia
E. Futier

AMBER HALL 1-2	
PERIOPERATIVE MANAGEMENT Chairpersons: F. Rubulotta, C.M. Samama	
9.00	Role of intraoperative monitoring of consciousness, pain, mioreolution S. Romagnoli
9.20	Methods for preventing and managing postoperative respiratory complications P. Pelosi
9.40	Coagulation management in complicated patients C. Samama
10.00	Awake anesthesia in thoracic surgery G.L. Rosboch
10.20	Ten rules for a successful robotic surgery F. Guarracino
10.40	Discussion
11.00	<i>Coffee Break and Exhibition Visit</i>
MONITORING VENTILATION USING ELECTRICAL IMPEDANCE TOMOGRAPHY (EIT) Chairpersons: G. Foti, I. Frerichs	
11.30	Electrical Impedance Tomography (EIT) in acute respiratory failure G. Bellani
11.45	EIT in COVID-19 T. Mauri
12.00	EIT and assessment of lung perfusion I. Frerichs
12.15	Discussion
12.30	Lunch Break

AMBER HALL 3-4	
RIGHT VENTRICULAR FAILURE Chairpersons: D. Pasero, S. Scotletta	
9.00	Pathophysiology of RV failure P. Wouters
9.20	Identifying RV failure F. Guarracino
9.40	Pharmacological approaches to right ventricular failure F. Sanfilippo
10.00	Mechanical ventilation strategies in patients with right ventricular failure F. Sangalli
10.20	Right ventricle and pulmonary hypertension G. Paternoster
10.40	Discussion
11.00	<i>Coffee Break and Exhibition Visit</i>
MEMORIAL SESSION IN HONOR OF PROF. GORAN HEDENSTIERNA AND PROF. WARREN M. ZAPOL	
11.30	Personal memory of two great scientists and friends L. Gattinoni
11.40	Lung physiology: from the clinical physiology lab to the Hedenstierna laboratory G. Perchiazzi
12.00	The Nitric Oxide story L. Berra
12.30	Lunch Break

AMBER HALL 5-6	
MANAGING BRAIN TRAUMA TODAY Chairpersons: G. Citerio, M. Oddo	
9.00	Is genetic information relevant? D. Menon
9.20	Biomarkers of injury: bedside utility S. Mondello
9.40	Update in treating HICP G. Meyfroidt
10.00	Optimizing an holistic approach on extracranial complications E. Wiegers
10.20	Discussion
11.00	<i>Coffee Break and Exhibition Visit</i>
BACK TO PHYSIOLOGY NEURO	
11.30	Cerebral autoregulation at bedside F. Rasulo
12.00	The concept of ICP dose G. Meyfroidt
12.30	Lunch Break

BROWN HALL 2	
FRIDAY-NIGHT TROUBLESHOOTING IN ANESTHESIA 1 Presenter: E. Bignami	
9.00	Managing unanticipated difficult intubation M. Sorbello
9.30	Managing hypoxemia A. Santini
10.00	Managing hypotension M. Senturk
10.30	Managing bleeding M. Panigada
11.00	<i>Coffee Break and Exhibition Visit</i>
FRIDAY-NIGHT TROUBLESHOOTING IN ANESTHESIA 2 Presenter: K. Donadello	
11.30	Managing prolonged myorelaxation F. Piccioni
12.00	Managing oliguria S. De Rosa
12.30	Lunch Break

BROWN HALL 3	
ULTRASOUND IN ICU Chairpersons: B. Bouhemad, F. Mojoli	
9.00	Basic Ultrasound "head to toes" skills for intensivists (consensus ESICM) C. Robba
9.20	Switching from qualitative to quantitative lung ultrasound S. Mongodi
9.40	What's new in ultrasound guided mechanical ventilation (PEEP setting focal/non-focal, weaning...) B. Bouhemad
10.00	Innovation in the ultrasound assessment of the diaphragm (tissue Doppler, prone patient...) G. Cammarota
10.20	Lung US in COVID-19: real life and expert recommendations L. Vetrugno
10.40	Discussion
11.00	<i>Coffee Break and Exhibition Visit</i>
11.30 - 12.30	PRO-CON FLUID CHALLENGE: RISING THE LEGS OR ... Moderators: M. Cecconi, M. Singer Pro: J.L. Teboul Con: J.L. Vincent
12.30	Lunch Break

AMBER HALL 7	
TUTORIALS THE BRAIN Presenter: E. Zanier	
9.00	How to use brain EEG to titrate depth of anesthesia H. Amirfarzan
9.30	Post-resuscitation care after cardiac arrest C. Sandroni
10.00	Noninvasive monitoring of brain function: volumes, flow, metabolism C. Robba
10.30	Invasive monitoring of the damaged brain M. Oddo
11.00	<i>Coffee Break and Exhibition Visit</i>
TUTORIALS DIFFICULT DECISIONS IN ICU Presenter: G. Mistraretti	
11.30	Sedation in ICU J.M. Constantin
12.00	Talking with families E. Azoulay (remote connection)
12.30	Lunch Break

AMBER HALL 1-2

12.45 - 14.15
LUNCH SESSION
THE ROLE OF IMMUNOGLOBULIN THERAPY IN VIRAL AND BACTERIAL COMMUNITY ACQUIRED PNEUMONIA
Supported by BIOTEST
Chairpersons: G. Berlot, M. Girardis

Pathobiology of viral and bacterial pneumonia: analogies and differences
A. Nierhaus

sCAP and immunoglobulin therapy: which evidences?
T. Welte

Use of immunoglobulin in viral pneumonia: theories and facts
M. Girardis

Discussion

INTERACTIVE CLINICAL CASES WITH BALLOT MECHANICAL VENTILATION
Moderators: L. Camporota, F. Rubulotta

14.30 Clinical case ARDS: noninvasive options
L. Heunks

15.15 Clinical case ARDS: invasive options and titration
V. Fanelli

16.00 *Break and Exhibition Visit*

INTERACTIVE CLINICAL CASES WEANING FROM MECHANICAL VENTILATION
Moderators: G. Foti, S. Rossi

16.30 Readiness to wean: clinical assessment and parameters
O. Moerer

17.15 Extubation failure: how do I optimize the next attempt
S. Jaber

AMBER HALL 3-4

CASE REPORTS: BLEEDING IN CARDIOTHORACIC AND VASCULAR SURGERY
Chairpersons: B. Martinez Lopez De Arroyabe, S. Scolletta

14.30 Bleeding in cardiac surgery
B. Martinez Lopez De Arroyabe

15.00 Bleeding in thoracic surgery
F. Piccioni

15.30 Bleeding in vascular surgery
D. Pasero

AMBER HALL 5-6

12.45 - 14.15
LUNCH SESSION
ECOS (EXTRACORPOREAL ORGAN SUPPORT) FOCUS ON: KIDNEY-LUNG
Supported by BAXTER
Chairperson: C. Ronco

Terapie extracorporee e supporto polmonare: il ruolo dell'ECO2R
L. Gattinoni

Nuova piattaforma ECOS per gestire disfunzioni d'organo multiple e combinate
F. Turani

Discussion

THERAPEUTIC TEMPERATURE MANAGEMENT (TTM) AT A CROSSROAD
Chairpersons: L. Vetrugno, J. Villar

14.30 TTM: the biological effects
E. Zanier

14.45 TTM in post-anoxic coma: end of the game?
C. Sandroni

15.00 TTM in TBI: selective use or ban
R. Helbok

15.15 TTM in meningitis: useful, unuseful, not known
R. Sonneville

15.30 How to implement TTM at bedside: practicalities
F.S. Taccone

15.45 Discussion

16.00 *Break and Exhibition Visit*

PRO-CON HOT TOPICS IN NEURO
Moderators: G. Citerio, R. Helbok

16.30 Flowchart approach of intracranial hypertension
Pro: N. Stocchetti
Con: G. Meyfroidt

17.00 Third tier therapies: medical approach
Pro: C. Robba
Con: C. Giussani

17.30 Delayed cerebral ischemia in subarachnoid hemorrhage: endovascular approach
Pro: G. Citerio
Con: A. Caricato

BROWN HALL 2

FRIDAY-NIGHT TROUBLESHOOTING IN EMERGENCY: AN US APPROACH 1
Presenter: C. Robba

14.30 Cardiocirculatory arrest
F. Sangalli

15.00 Neurologic deterioration
C. Robba

15.30 Acute pain
G. Russo

16.00 *Break and Exhibition Visit*

FRIDAY-NIGHT TROUBLESHOOTING IN EMERGENCY: AN US APPROACH 2
Presenter: B. Bouhemad

16.30 Polytrauma
F. Corradi

17.00 The hypoxic patient
S. Mongodi

17.30 The hypotensive patient
A. Messina

BROWN HALL 3

BICARBONATE
Chairpersons: F. Duska, L. Gattinoni

14.30 Common errors in bicarbonate use
P. Caironi

14.50 Bicarbonate in sepsis
S. Jaber

15.10 Bicarbonate in acute respiratory failure
T. Langer

15.30 Discussion

16.00 *Break and Exhibition Visit*

ELECTROLYTES AND ACID-BASE
Chairpersons: C. Ichai, A. Protti

16.30 Unusual causes of hyperlactatemia in the critically ill
A. Protti

16.50 Potassium handling in the critically ill
P. Caironi

17.10 The importance of sodium homeostasis in critical care
T. Langer

17.30 The 5 parameters I always look at when dealing with acid-base
F. Duska

17.50 Discussion

AMBER HALL 7

TUTORIALS INFECTION
Presenter: F.G. De Rosa

14.30 Immune response to infection
S. Busani

15.00 Pathophysiology and clinics of sepsis and septic shock
M. Singer

15.30 Optimal use of antibiotics in the ICU
P. Viale

16.00 *Break and Exhibition Visit*

TUTORIALS ULTRASOUND
Presenter: F. Mojoli

16.30 Lung ultrasound in the critically ill
S. Mongodi

17.00 Brain ultrasound in the critically ill
F. Rasulo

17.30 Ventilator-induced lung injury and fluid/sodium balance
S. Gattarello

SMART NURSING

BROWN HALL 1

MORNING

9.00 - 11.00

DEBATE

HAS COVID-19 CHANGED NURSING IN CRITICAL CARE?

IL COVID-19 HA CAMBIATO L'ASSISTENZA INFERMIERISTICA IN TERAPIA INTENSIVA?

Moderators: M. Hoogendoorn, F. Marchese

Speakers: I. Comisso, M. Manici, M. Villa

Questions for discussion:

- **Visiting policies / patient's family information**
Regole per le visite / comunicazione con la famiglia
- **Early mobilization**
Mobilizzazione precoce
- **Pressure injury development**
Sviluppo di lesioni da pressione
- **Long-term outcomes**
Outcome di lungo termine

11.00 *Coffee Break and Exhibition Visit*

NEW ISSUES IN CRITICAL CARE NURSING NUOVE PROBLEMATICHE NELLA GESTIONE INFERMIERISTICA IN TERAPIA INTENSIVA

Chairpersons: S. Bambi, E. Mattiussi

- 11.30 **Nursing workload in ICU**
Carico di lavoro infermieristico in terapia intensiva
M. Hoogendoorn
- 11.45 **Standard and extended prone position**
Pronazione standard e prolungata
A. Lucchini
- 12.00 **Video calls at end of life are feasible but not enough**
Videochiamate a fine vita: fattibili ma non sufficienti
A. Galazzi
- 12.15 **Discussion**
- 12.30 *Lunch Break*

BROWN HALL 1

AFTERNOON

ONE-ON-ONE SESSION

BEFORE AND AFTER COVID-19 ERA PRIMA E DOPO L'ERA COVID-19

Moderators: I. Comisso, M. Manici

- 14.30 **Helmet versus mask for NIV outside ICU**
Casco vs. maschera per la NIV al di fuori della terapia intensiva
A. Lucchini vs. S. Bambi
- 15.00 **Infection control: single room versus open space**
Controllo delle infezioni: stanza singola vs. open space
P. Iozzo vs. V. Russotto
- 15.30 **Vascular access in ICU**
Accesso vascolare in terapia intensiva
S. Elli vs. M. Pittiruti
- 16.00 **ICU diary in adult and pediatric ICU**
ICU diary nelle terapie intensive per adulti e pediatriche
I. Chinali vs. O. Gawronski

FRIDAY MAY 6

OFFICIAL LANGUAGES: ENGLISH / ITALIAN WITH SIMULTANEOUS TRANSLATION

Expert Sessions offer the opportunity of a direct interaction with recognized Experts in selected topics. They take place in the **Discussion Square**, an open space in the Exhibition Area with 40 seats equipped with noise cancelling earphones. Admission is free on a first-come first-served basis.

Language: English or Italian, no simultaneous translation.

Le **Expert Session** offrono la possibilità di una interazione diretta con Esperti riconosciuti su alcuni temi di interesse. Si svolgono nella **Discussion Square**, uno spazio aperto situato nell'Area Espositiva con 40 posti a sedere provvisti di auricolari per l'isolamento acustico. L'accesso è libero fino ad esaurimento posti.

Lingua: Inglese o Italiano, senza traduzione simultanea.

WEDNESDAY MAY 4

11.30 - 12.00

HOW TO TREAT MY NEXT PATIENTS WITH SEVERE INFECTION

DISCUSSANT: G. De Pascale | EXPERT: J. De Waele

12.30 - 13.00

LINEE GUIDA SURVIVING SEPSIS CAMPAIGN 2021: QUALI NOVITÀ?

DISCUSSANTS: M. Antonelli, A. Giarratano

15.30 - 16.00

MYOCARDIAL INJURY IN VIRAL INFECTIONS

DISCUSSANT: D. Pasero | EXPERT: C. Vandenbrielle

THURSDAY MAY 5

12.30 - 13.00

APPROACHES TO MECHANICAL VENTILATION: OPEN QUESTIONS

DISCUSSANT: V. Fanelli | EXPERT: D. McAuley

15.00 - 15.30

ANESTHESIA MONITORING: LESS IS NOT ALWAYS MORE

DISCUSSANT: E. De Robertis | EXPERT: H. Amirfarzan

THURSDAY MAY 5

16.00 - 17.00

MONITORAGGIO DELLA NOCICEZIONE: DALLA SALA OPERATORIA AL REPARTO DI TERAPIA INTENSIVA

Ottimizzazione della gestione del dolore perioperatorio in chirurgia vertebrale
C.A. Raciti

Monitoraggio della nocicezione in terapia intensiva?... Perché no?!
R.C. De Rosa

Un Coffee Point sarà a disposizione dei partecipanti

FRIDAY MAY 6

12.30 - 13.00

COME PREDIRE IL RISVEGLIO DAL COMA DOPO ARRESTO CARDIACO

DISCUSSANT: S. Busani | EXPERT: C. Sandroni



WeSmart Sessions

- ▶ Complementary sessions detailed in the following pages will take place in either of the two open spaces in the Exhibition Area, the new **WeSmart Space 1** and **WeSmart Space 2**. Admission is free or by invitation. Capacity: 50 seats each (approx.), unless otherwise stated due to COVID-19 pandemic restrictions. Both WeSmart Spaces are equipped with noise-cancelling earphones.

*Le sessioni complementari riportate alle pagine che seguono si svolgeranno in uno dei due nuovi open space presenti nell'Area Espositiva, denominati **WeSmart Space 1** e **WeSmart Space 2**. L'accesso per la partecipazione alle sessioni è libero o ad invito. Capienza: 50 posti circa ciascuno, fatte salve eventuali disposizioni restrittive per il contenimento dell'epidemia da COVID-19. Entrambi gli spazi sono provvisti di auricolari per l'isolamento acustico.*

- ▶ **Language: English or Italian, no simultaneous translation.**
Lingua: Inglese o Italiano, senza traduzione simultanea.

WeSmart Space 1

**WEDNESDAY
MAY 4**
11.30 - 12.30

**ACCESSI VENOSI INNOVATIVI MIDLINE
E MINI-MIDLINE IN OSPEDALE/
TERRITORIO: NUOVE OPPORTUNITÀ
NELL'ACCESSO VASCOLARE**
Moderatori: **C. Abbruzzese, D. Vailati**

L'urgenza medica e chirurgica
T. Fusco

L'elezione medica/chirurgica
S. Elli

**Ospedale/territorio:
gestione acuta e cronica**
F. Oleari

Supported by:  **DELTA MED**
MEDICAL DEVICES
Solutions for Health

**WEDNESDAY
MAY 4**
13.30 - 14.30

**EFFICIENZA E SICUREZZA IN SALA
OPERATORIA: FOCUS SULLA
GESTIONE DELLE VIE AEREE**
Speakers: **E. Momesso, F. Toffoletto**

Un Lunch Bag sarà offerto ai partecipanti

Supported by:  **verathon**

**WEDNESDAY
MAY 4**
16.00 - 17.00

**IL MONITORAGGIO EEG PER
GUIDARE L'ANESTESIA E LA
SEDAZIONE: IL NUOVO
PARAMETRO VITALE**
No BIS, no anestesia
C. Carozzi
Anche la Terapia Intensiva reclama il BIS
R.C. De Rosa


**WEDNESDAY
MAY 4**
13.30 - 14.30

**IL MONITORAGGIO
DELL'ANALGO-SEDAZIONE
IN TERAPIA INTENSIVA**
Speaker: **S. Romagnoli**

Un Lunch Bag sarà offerto ai partecipanti

Supported by:  **FRESENIUS
KABI**
caring for life

**WEDNESDAY
MAY 4**
16.00 - 17.00

**WORKSHOP
ENHANCING STRATEGIES
FOR REDUCING VILI: ROLE OF
MINI-INVASIVE CO₂ REMOVAL** 
**Less is More: the importance
of avoiding VILI**
L. Gattinoni
**Mini-invasive CO₂ removal as protective
lung strategy: when and how**
M. Hilty
Discussion
*Un Aperitivo sarà offerto ai partecipanti
presso lo stand ESTOR al termine della
sessione*

Supported by:  **ESTOR**

WeSmart Space 2

WeSmart Space 1

**THURSDAY
MAY 5**
10.00 - 11.00

**LE INFEZIONI POLMONARI
BATTERICHE E FUNGINE IN
AMBITO INTENSIVO**
Moderatore: **F.G. De Rosa**

L'approccio diagnostico clinico
G. Montrucchio

Gli aspetti microbiologici
A. Curtoni

Con il contributo
non condizionante di:  **GILEAD**
Creating Possible

**THURSDAY
MAY 5**
13.30 - 14.30

**MEET THE EXPERT
UPDATE SULLE BUONE PRATICHE
D'USO DI NIV E HFOT**
Speakers: **D.L. Grieco, S.M. Maggiore**

**L'utilizzo della ventilazione
non invasiva e dell'ossigeno ad alti flussi:
quale scegliere in base al tipo di paziente
e alla situazione clinica.**
Discussione sui pro e contro.

Un Lunch Bag sarà offerto ai partecipanti

Supported by:  **GE Healthcare**

**THURSDAY
MAY 5**
16.00 - 17.00

**UTILITÀ DELLE IMMUNOGLOBULINE
ARRICCHITE IN IgM COME TERAPIA
ADIUVANTE NEL PAZIENTE SETTICO
GRAVE: COME E QUANDO?**
Moderatore: **P. Viale**

**Terapie adiuvanti nel trattamento
del paziente settico**
K. Donadello

**Razionale d'uso delle IgM: setting
di pazienti, timing, prospettive**
F. Forfori

Supported by:  **Biotest**
From Nature for Life

WeSmart Space 2

**THURSDAY
MAY 5**
11.30 - 12.30

**UN APPROCCIO PRAGMATICO
ALLA PRESSIONE ESOFAGEA**
**Cosa fare nella pratica clinica
di tutti i giorni**

Speaker: **F. Mojoli**

Supported by:  **SEDA S.p.A.**

**THURSDAY
MAY 5**
13.00 - 14.00

**TECNOLOGIE PER OTTIMIZZARE
LA GESTIONE DEL SINERGISMO
FARMACOLOGICO IN ANESTESIA**

**Principi di farmacocinetica
applicati all'anestesia**
G.L. Rosboch

**Smart Pilot:
discussione di un caso clinico**
G. Paladini

Un Lunch Bag sarà offerto ai partecipanti

Supported by:  **Dräger**

**THURSDAY
MAY 5**
16.00 - 17.00

**MACHINE LEARNING E
MONITORAGGIO EMODINAMICO
AVANZATO: NUOVI PARAMETRI
PREDITTIVI PER LA GESTIONE
PERIOPERATORIA DEL PAZIENTE**
Moderatori: **N. Salvini, G. Torricella**

**Monitoraggio emodinamico predittivo
in chirurgia non cardiaca**
F. Piccioni

**Monitoraggio emodinamico predittivo
in chirurgia cardiaca**
F. Guarracino

Discussione casi clinici con HPI
L. Frassanito

Supported by:  **Edwards Lifesciences**

WeSmart Space 1

FRIDAY
MAY 6
9.30 - 10.30

COME CAMBIA LA GESTIONE DEL PAZIENTE CRITICO NELL'ERA DELLA DIAGNOSTICA SINDROMICA RAPIDA

Moderatore: **M. Girardis**

La visione della Terapia Intensiva
B. Viaggi

La visione dell'Infettivologia
P. Viale

Supported by:



FRIDAY
MAY 6
11.30 - 12.30

**MEET THE EXPERT
RUOLO DELLA pro-ADM NELLA GESTIONE DEL PAZIENTE CRITICO DAL DIPARTIMENTO DI EMERGENZA E ACCETTAZIONE ALLA TERAPIA INTENSIVA**

Discussant: **M. Girardis**

Speakers: **G. Montrucchio, E. Sozio**

Temi da discutere:

- Quando e perché utilizzo pro-ADM
- Quali i vantaggi e quali i limiti
- Come implementarne l'uso in ambito clinico

Un Coffee Bag sarà offerto ai partecipanti

Supported by: **ThermoFisher**
SCIENTIFIC

WeSmart Space 2

FRIDAY
MAY 6
11.30 - 12.30

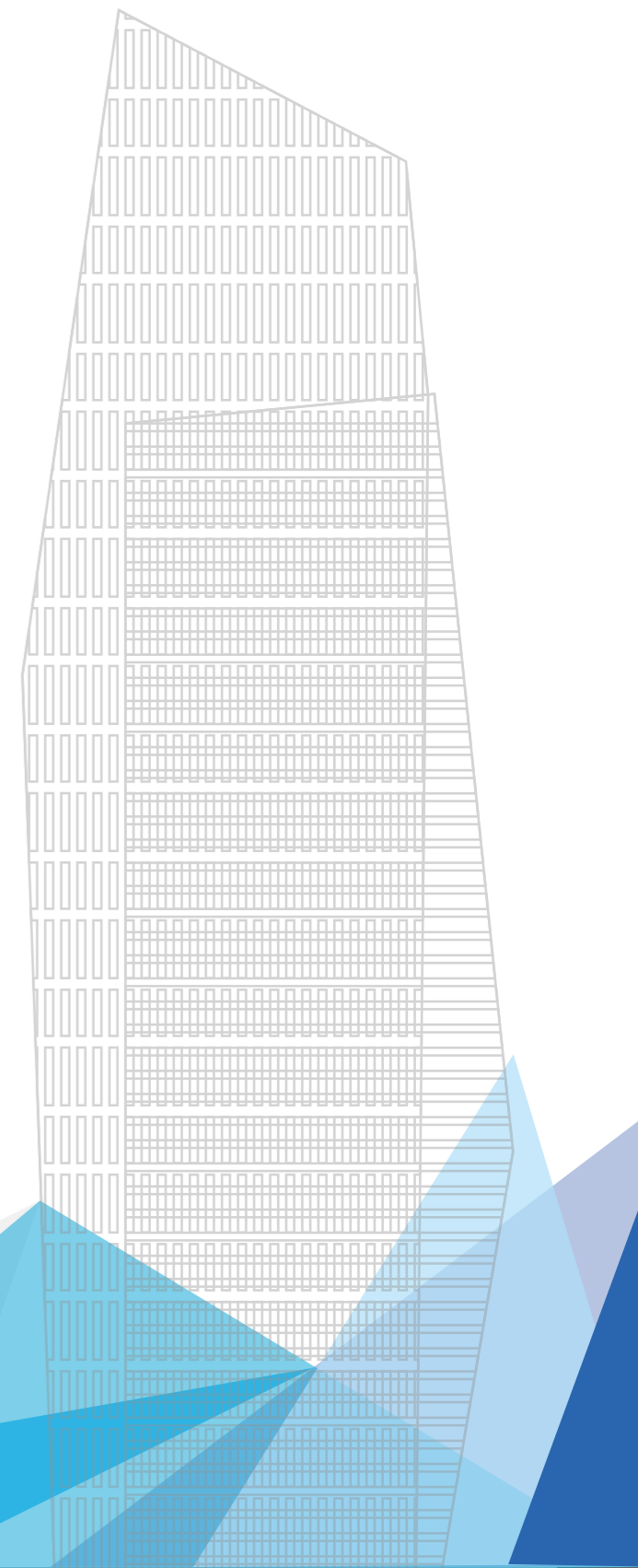
OTTIMIZZAZIONE DELL'ANESTESIA GASSOSA E NUOVE OPPORTUNITÀ PER RIDURNE L'IMPATTO AMBIENTALE

Moderatore: **L. Brazzi**

Anestesia generale e sostenibilità
F. Bassi

Il sistema Contrafluran
C. Oliveira

Supported by: **Baxter**



SIMULATION SESSIONS

► **Language: Italian, no simultaneous translation.**
Lingua: Italiano, senza traduzione simultanea.

Simulation Center

WEDNESDAY MAY 4 | 10.00 - 13.00

free

Supported by **Accurate**
Learn. Practice. Improve.

Simulation Session

SPEAKER: **A. Andreotti - Team Tecnico Accurate**

HIGH FIDELITY SIMULATION

HIGH FIDELITY SIMULATION

Mai come negli ultimi decenni, lo sviluppo scientifico e tecnologico ha portato a sistemi di formazione sempre più complessi cresciuti di pari passo con l'innovazione sanitaria. La simulazione è oggi diventata parte integrante e fondamentale della crescita degli operatori sanitari, sempre più evidence-based e centrata sulle abilità tecniche e non tecniche, sul teamwork, la leadership ed il problem solving. Scopo dell'High Fidelity Simulation in sede congressuale è riproporre ai discenti scenari di vita reale (secondo le regole del CRM), strutturati con l'obiettivo di implementare le proprie abilità e lavorare in tutta sicurezza al di fuori dalla propria "comfort zone".

Le sessioni saranno caratterizzate dall'utilizzo di simulatori avanzati di ultima generazione e **potranno essere seguite dal pubblico in maniera del tutto free**. Lo stesso pubblico sarà discente e spettatore: chiunque voglia cimentarsi potrà entrare nel gioco... vi aspettiamo numerosi!

*Partecipazione libera e gratuita, fino ad esaurimento posti.
Per partecipare è necessario essere iscritti allo SMART.*

Simulation Center

WEDNESDAY MAY 4 | 14.00 - 15.00

1

Supported by **Dräger**

Simulation Session 1

SPEAKERS: **G. Foti, E. Rezoagli**

VENTILAZIONE MECCANICA

RECLUTAMENTO ALVEOLARE E IMPOSTAZIONE DELLA PEEP IN BASE ALLA MECCANICA RESPIRATORIA

Lo scopo di questo scenario di simulazione è offrire ai partecipanti un training sui possibili approcci utilizzabili per realizzare manovre di reclutamento alveolare e per dosare la PEEP in base ai dati derivati dalle misure di meccanica respiratoria. Saranno simulate le alterazioni patologiche più rilevanti di questi parametri e ne saranno discusse le implicazioni cliniche.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center

WEDNESDAY MAY 4 | 16.00 - 17.00

2

Supported by **BD**

Simulation Session 2

SPEAKER: **T. Pellis**

GESTIONE DELLA TEMPERATURA TARGET

GESTIONE DELLA TEMPERATURA TARGET

Lo scopo di questo scenario di simulazione è offrire ai partecipanti un training con rilevanti ricadute pratiche su come ottenere un controllo della temperatura target mediante un device capace di rispondere automaticamente alle variazioni di temperatura del paziente, o anche solo semplicemente a variazioni di tendenza. Verranno esaminati scenari clinici di gestione della temperatura post-arresto cardiaco e di prevenzione della febbre, ripercorrendo i protocolli più utilizzati in ambito clinico.

Verrà illustrata la programmazione del device per inserire i protocolli clinici in uso presso la propria unità operativa. L'interazione con il pubblico sarà favorita dall'utilizzo di un manichino ad alta fedeltà.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center

THURSDAY MAY 5 | 10.00 - 11.00

3

Supported by **HAMILTON MEDICAL** & **burke&burke**

Simulation Session 3

SPEAKERS: **F. Mojoli, E. Arisi**

VENTILAZIONE MECCANICA

STRUMENTI PER UNA VENTILAZIONE MECCANICA PERSONALIZZATA IN PAZIENTI ATTIVI E PASSIVI

Lo scopo di questo scenario di simulazione è formare i partecipanti su come personalizzare l'impostazione della ventilazione meccanica sia nei pazienti attivi che in quelli passivi grazie ai nuovi strumenti disponibili sui ventilatori. Verrà utilizzato un simulatore meccanico avanzato attivo e passivo per mostrare come ricavare beneficio dalle curve pressione-volume a flusso lento, dalla pressione esofagea, dalle opzioni di sincronizzazione.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center THURSDAY MAY 5 | 12.00 - 13.00

4

Simulation Session 4

**VENTILAZIONE
MECCANICA**

Supported by **GETINGE** 

SPEAKERS: **G. Bellani, S. Grasso**

MONITORAGGIO RESPIRATORIO AVANZATO TRAMITE PRESSIONE ESOFAGEA ED ATTIVITÀ ELETTRICA DIAFRAMMATICA

Nel corso della sessione di simulazione verranno trattati alcuni casi clinici, in cui il monitoraggio della pressione esofagea o della attività elettrica diaframmatica si riveli particolarmente utile a fini diagnostici o come guida all'impostazione dei parametri ventilatori. Gli scenari riguarderanno sia la ventilazione controllata protettiva che l'interazione paziente-ventilatore durante ventilazione assistita. L'interazione con il pubblico sarà favorita attraverso quiz a risposta multipla e la discussione informale.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center THURSDAY MAY 5 | 14.00 - 15.00

5

Simulation Session 5

**ANESTESIA
ENDOVENOSA**

Supported by 

SPEAKER: **M. Rossi**

SESSIONE PRATICA SULL'UTILIZZO DELLA ANESTESIA TOTALMENTE ENDOVENOSA TIVA/TCI CON UNO SGUARDO AI PIÙ RECENTI SVILUPPI

Lo scopo di questa sessione pratica è offrire a chi è interessato ad ampliare le proprie conoscenze nel campo della TCI l'occasione di toccare con mano, attraverso la simulazione di un caso clinico, come la tecnologia abbia reso semplice questa tecnica ormai consolidata. Si accennerà inoltre alle ultime novità in termini di protocolli e si illustrerà come questi possano ampliare il campo di applicazione della tecnica.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center THURSDAY MAY 5 | 16.00 - 17.00

6

Simulation Session 6

**VENTILAZIONE
MECCANICA**

Supported by **mindray**

SPEAKERS: **D. Chiumello, E. Rezoagli**

MIGLIORARE LA GESTIONE DELL'ARDS SULLA BASE DELLA MECCANICA RESPIRATORIA E DELLA VALUTAZIONE ECOGRAFICA

Lo scopo di questo scenario di simulazione è offrire ai partecipanti un'occasione di confronto e di training su come sia possibile ottimizzare la gestione dei pazienti con ARDS attraverso la valutazione della meccanica respiratoria, del mechanical power e dell'ecografia del polmone e dei muscoli respiratori. Saranno presi in considerazione diversi scenari e ne saranno discusse le implicazioni cliniche.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center FRIDAY MAY 6 | 10.00 - 11.00

7

Simulation Session 7

**VENTILAZIONE
MECCANICA**

Supported by 

SPEAKERS: **G. Foti, E. Rezoagli**

IMPOSTAZIONE DEL VENTILATORE IN VENTILAZIONE ASSISTITA

Lo scopo di questo scenario di simulazione è offrire ai partecipanti un training su come affrontare le principali problematiche che si manifestano durante la ventilazione di un paziente con una aumentata resistenza delle vie aeree, una patologia ostruttiva o restrittiva, per esempio BPCO o ARDS o fibrosi polmonare. Tra le problematiche verranno considerate la rilevazione e la misura di una aumentata resistenza delle vie aeree e di una ridotta compliance.

*Partecipazione a numero chiuso (max 40 posti) con preiscrizione obbligatoria.
Le iscrizioni saranno accettate in base all'ordine di arrivo, fino ad esaurimento posti.*

Simulation Center FRIDAY MAY 6 | 11.30 - 14.30

free

Simulation Session

**HIGH FIDELITY
SIMULATION**

Supported by **Accurate**
Learn. Practice. Improve.

SPEAKER: **A. Andreotti - Team Tecnico Accurate**

HIGH FIDELITY SIMULATION

Mai come negli ultimi decenni, lo sviluppo scientifico e tecnologico ha portato a sistemi di formazione sempre più complessi cresciuti di pari passo con l'innovazione sanitaria. La simulazione è oggi diventata parte integrante e fondamentale della crescita degli operatori sanitari, sempre più evidence-based e centrata sulle abilità tecniche e non tecniche, sul teamwork, la leadership ed il problem solving. Scopo dell'High Fidelity Simulation in sede congressuale è riproporre ai discenti scenari di vita reale (secondo le regole del CRM), strutturati con l'obiettivo di implementare le proprie abilità e lavorare in tutta sicurezza al di fuori dalla propria "comfort zone".

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*Partecipazione libera e gratuita, fino ad esaurimento posti.
Per partecipare è necessario essere iscritti allo SMART.*

ORAL PRESENTATIONS AND E-POSTERS

► **Language: English, no simultaneous translation.**
Lingua: Inglese, senza traduzione simultanea.

AMBER HALL 7

WEDNESDAY MAY 4 | 13.15 - 14.15

CARDIOCIRCULATORYChairpersons: **D. Pasero, G. Paternoster****Reverse Fick principle as a viable cardiac output measurement technique during Venovenous Extracorporeal Membrane Oxygenation**

J. Wassong, M. Busana, S. Gattarello, K. Meißner, F. Romitti, C. Zinnato, S. Brusatori, R. Maj, M. Velati, F. Lombardo, P. Herrmann, K. Meissner, O. Moerer, L. Gattinoni

Cardiovascular dynamics in COVID-19: a heart rate variability investigation

C. Aliani, E. Rossi, M. Luchini, I. Calamai, R. Deodati, R. Spina, A. Lanata, L. Bocchi

Comparison of mean systemic pressure in patients with acute circulatory failure receiving passive leg raising vs. pneumatic leg compression

P. Boontoterm, P. Feungfoo, P. Wacharasint

Heart rate control and hemodynamic improvement with Ivabradine in cardiogenic shock patients on mechanical circulatory support

C.N.J. Colombo, V. Dammassa, F. Ciarrocchi, M. Erba, R. Camporotondo, C. Pellegrini, F. Mojoli, G. Tavazzi

Immediate effects of simulated pulmonary embolism on volumetric capnography and the behavior of calculated dead space indices in a porcine model

A. Hoffmann, D. Berger, M. Iten, K.F. Bachmann

BROWN HALL 1

WEDNESDAY MAY 4 | 13.15 - 14.15

CASE REPORTSChairpersons: **R. Rona, C.A. Volta****Early circulatory mechanical support in refractory cardiogenic shock complicating subarachnoid hemorrhage**

G. Tinti, J. Colombo, E. Vassena, M. Rigodanza, F. Ruggieri, G. Trincherio, F. Zumbo, M. Stellabotte, G. Fedeli, F. Curto, A. Chierogato

Use of extracorporeal CO₂ removal in a patient with acute exacerbation of end-stage COPD

I. Tazzi, F. Muraca, V. Russotto, L. Giosa, V. Cavallo, R. Vacchelli, I. Bezzoluto, F. Turvani, F. Berruto, S. Di Blasi, L. Davicco, P. Caironi

Effect of chest wall loading during supine and prone position in a critically ill COVID-19 patient: case report

S. Lassola, S. Miori, A. Sanna, R. Pace, S. Magnoni, M. Umbrello

COVID-19 related encephalitis in pediatric patient: a case report

N. Pedroni, I. Pastori, L. Cabrini

Pulmonary sparing - multiorgan glue embolism

N. Srivastava

AMBER HALL 7

THURSDAY MAY 5 | 13.15 - 14.15

COVID-19 PATHOPHYSIOLOGY AND CLINICSChairpersons: **A. De Gasperi, M. Pozzi****Impact of SARS-CoV2 viremia ICU patients**

E. Ghelfi, M.A. Guarano, C. Avoni, I. Gatto, S. Busani, M. Girardis

Endogenous catecholamine and inflammatory cascade: a close link with COVID-19 outcome?

M. Voltini, G. Siano, C.N.J. Colombo, V. Dammassa, F. Ciarrocchi, L. Battistini, V. Rizzo, F. Mojoli, G. Tavazzi

Dramatic clinical worsening in COVID-19 patients before entering public health system. Comparison of vaccinated and not vaccinated patients

S. Tantillo, N. Cilloni, F. Talarico, L. Catalano, M. Citino, P. Orlandi

Retrospective observational study on spontaneous major bleeding in COVID-19 patients: out experience

F. Pancani, R. Pavani, I. Grazzini, D. Tacconi

Analysis of the factors associated with mortality in patients with COVID-19-related respiratory failure undergoing invasive mechanical ventilation: our experience

N. Predonzani, G. Paluzzano, E. Roman-Pognuz, M. Ferluga

BROWN HALL 1

THURSDAY MAY 5 | 13.15 - 14.15

ACUTE RESPIRATORY FAILURE AND MECHANICAL VENTILATIONChairpersons: **M. Antonelli, G.A. Iotti****Use of endobronchial valves (EBVs) for high-flow bronchopleural fistulas in three patients with COVID-19 ARDS unresponsive to protective ventilation and extracorporeal respiratory support**

M. Grimaudo, I. Giovannini, C. Bonenti, M. Ajuti, E. Martino, F. Lovisari, S. Conforti, A. Romiti, R. Fumagalli

End-tidal to arterial PCO₂ ratio as a guide to weaning from Venovenous Extracorporeal Membrane Oxygenation

M. Velati, S. Lazzari, F. Romitti, M. Busana, R. D'Albo, C. Zinnato, S. Brusatori, R. Maj, S. Gattarello, F. Lombardo, O. Moerer, M. Quintel, L. Camporota, L. Gattinoni

Oxygenation response to positive end-expiratory pressure in patients with Helmet CPAP: a prospective observational study

L. Fumagalli, K. Ferrari, P. Allievi, A. Gubertini, F. Cipulli, G. Bellani, R. Rona, G. Foti, A. Lucchini, M. Giani

Expiratory flow control and ventilator induced lung injury

C. Zinnato, M. Busana, F. Romitti, M. Palumbo, S. Gattarello, A. Sonzogni, A.K. Gersmann, A. Richter, P. Hermann, S. Brusatori, R. Maj, M. Velati, G. Hahn, O. Moerer, K. Meissner, M. Quintel, J.J. Marini, L. Gattinoni

Non-invasive measurement of work of breathing and extubation outcome in critically ill patients

R. Di Mussi, F. Murgolo, V. Murgolo, G. Bellino, M. Tenerelli, G. Divenuto, F. Recchia, S. Spadaro, R. Iannuzziello, A. Civita, L. Dalfino, S. Grasso

SEPSIS AND INFECTIONS

Chairpersons: **G. Montrucchio, V. Russotto**

Risk factors and outcome of patients with necrotizing fasciitis admitted to surgical intensive care units in a developing country: a single institution experience
 A. Mistry, F. Khan, F. Shamim

Endotoxin removal therapy with Polymyxin B Immobilized Fiber Column: a single center experience
 S. De Rosa, G. Lorenzoni, E. Forin, G. Golino, L. Pasin,
 M. De Cal, P. Bartolotta, D. Gregori, V. Danzi, C. Ronco

Analysis of lymphocyte subpopulations and circulating immunoglobulin levels in patients with critical COVID-19 disease: preliminary data from a prospective single-center cohort study
 G. Cantù, E. Balzani, D. Lombardo, A. Giaccone, G. D'Antonio, V. Sanna,
 F. Rumbolo, G. Sales, U. Simonetti, V. Fanelli, G. Montrucchio, L. Brazzi

Toraymyxin in septic shock unresponsive to standard therapy: a clinical experience
 J. Salvato, N. Cilloni, F. Mazzanti

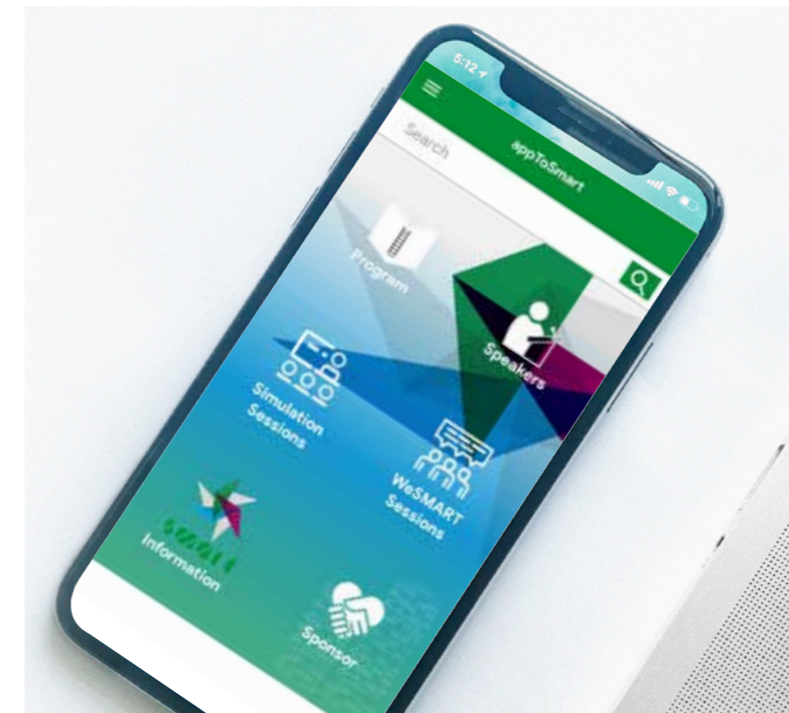
Unresolving COVID-19 acute respiratory distress syndrome: effect of prolonged low-dose corticosteroid rescue therapy. A retrospective monocentric case series
 L. Davicco, L. Giosa, G. Bussone, A. Laguzzi, F. Muraca, M. Galatà, G. Berta,
 C. Canepa, R. Russo, R. Penso, M. Mantovani, P. Aimar, V. Russotto, P. Caironi

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E-POSTER CORNER 1

Wednesday
May 4

DISCUSSION
h. 13.00 - 14.30

COVID-19 AND ARF

Chairpersons: V. Fanelli, J. Villar

- P 1** COVID-19 detection and stratification from photoplethysmographic (PPG) analysis
M. Luchini, C. Aliani, E. Rossi, R. Deodati, I. Calamai, R. Spina, A. Lanata, L. Bocchi
- P 2** Outcome comparison between 1st and 2nd pandemic wave in patients with Sars-Cov-2 pneumonia treated with CPAP helmet in non intensive care wards in Varese: observational retrospective study
F. Ferrari, D. D'Onofrio, M. Da Macallè, A. Pollastri, G. Selmo, L. Guzzetti, G. Rossini, S. Cozzi, L. Ghislanzoni, F. Marangoni, M. Carollo, C. Lanza, A. Marcato, F. Toso, S. Biasoli, F. Martignoni, A. Bacuzzi
- P 3** *Candida Auris* identification during the COVID-19 pandemic in critically ill patients: a single centre experience
M. Cedrone, G. Torsello, M. Feltrin, F. Rumbolo, S. Corcione, S. Nuor, G. Sales, G. Montrucchio, L. Brazzi
- P 4** EtCO₂ Ventilatory Ratio: a new and continuous method to estimate physiological dead-space?
R. Maj, P. Palermo, F. Romitti, M. Busana, S. Gattarello, R. D'Albo, M. Velati, S. Brusatori, C. Zinnato, F. Lombardo, D. Chiumello, L. Camporota, L. Gattinoni
- P 5** IL-6 inhibitors in ARDS: time to step back to mechanism
L. Gandini, G. Fior, L.E. See Hoe, N.G. Obonyo, K. Liu, J. Suen, G. Li Bassi, J.F. Fraser
- P 6** Long term feasibility of ultraprotective lung ventilation with low-flow extracorporeal carbon dioxide removal in ARDS patients
G. Besana Morosini, E. Mereto, G. Annibali, G. Bruno, L. Serio, T. Pozzi, S. Coppola, D. Chiumello
- P 7** Variable impact of pure oxygen on venous admixture in COVID-19 related ARDS
M. Ferrari, A. Santini, C. Mercalli, L. Pugliese, N. Martinetti, F. Dalla Corte, L. Careno, G. Iapichino, M. Cecconi, A. Protti
- P 8** Machine learning classifier models to identify ARDS patients with a low percentage of potentially recruitable lung
T. Pozzi, G. Annibali, G. Besana Morosini, G. Bruno, L. Gilardi, F. Mazza, L. Serio, E. Tomarchio, F. Penati, A. Aliverti, S. Coppola, D. Chiumello
- P 9** Effects of continuous positive airway pressure and awake-pronation on breathing effort in COVID-19 pneumonia
M. Macri, L. Giosa, L. Davicco, A. Laguzzi, S. Di Blasi, F. Muraca, M. Galatà, I. Tazzi, R. Vacchelli, R. Penso, F. Gorgonzola, V. Russotto, P. Caironi

E-POSTER CORNER 2

Wednesday
May 4

DISCUSSION
h. 13.00 - 14.30

CASE REPORTS

Chairpersons: A. Cortegiani, M. Raimondi

- P 10** Hip fracture and NIV: a challenging case
C. Cappelletti, L. Sandroni, R. Pavani, D. Betti
- P 11** Metformin-induced lactic acidosis: a case analysis
D. Gioia, G.S. Netti, R. Cisero, A. Fili, I.S. Mangiameli, M. Cavagnero, E. Nobile, F. Ghignone, S. Quaranta, S. Bosso, A. Roasio, A. Bianchi
- P 12** Respiratory failure in patient with tetanic syndrome hypovitaminosis related
M.L. Granata, S. De Luca, S. Saglimbene, G. Cammarata, C. Nicocia, F. Messina, G. Magro, I. Grasso, T. Montalto, G. Rapisarda
- P 13** High rates of impaired quality of life and social and economic problems at six months after COVID-19 related ARDS
M. Umbrello, S. Miori, A. Sanna, S. Lassola, E. Baruzzo, G. Pedrotti, A. Perino, A. Colombo, R. Pace, S. Magnoni
- P 14** Burst suppression via anesthetic conserving device for postoperative intractable cerebral edema in neurosurgical intensive care unit
P. Boontoterm, B. Kiangkitiwan, S. Sakoolnamarka, P. Feungfoo
- P 15** Effects on health-related quality of life of interventions affecting survival in critically ill patients: a systematic review
O. Pallanch, A. Ortalda, P. Pelosi, N. Latronico, C. Sartini, G. Lombardi, C. Marchetti, N. Maimer, O. Saleh, M. Caporale, D. Valaderio, A. Zangrillo, L. Cabrini
- P 16** Effectiveness of anticoagulant therapy in hypercoagulability related to COVID-19 infection: description of a clinical case assessed with rotational thromboelastometry (ROTEM)
G.S. Netti, A. Roasio, S. Bosso, S. Quaranta, E. Nobile, I.S. Mangiameli, M. Cavagnero, R. Cisero, A.M. Fili, D. Gioia, F. Ghignone, M. Morando, A. Bianchi
- P 17** Good neurological outcome after late decompressive craniectomy: a case report
F. Bagna, E. Raimondo, L. Frattini, I. Pastori, V. Conti, R. Pradella, L. Cabrini
- P 18** Intravenous infusion of mesenchymal stem cells for adjuvant treatment of a 44-year-old critically ill patient with COVID-19 presenting lung fibrosis: a case report
C. Tani, L. Venturi, L. Bichi, I. Calamai, R. Giuntini, R. Spina
- P 19** Liver adenomatosis: an uncommon cause of liver transplantation
R. Pereira, R. Medeiros, M. Alves, A. Marinho

E-POSTER CORNER 1

Thursday
May 5

DISCUSSION
h. 13.00 - 14.30

ANESTHESIA ET AL.

Chairpersons: H. Amirfarzan, V. Torrano

- P 20** Neuraxial and fusion anesthesia for both laparotomic and laparoscopic abdominal surgery in spontaneous breathing patients
G. Cammarata, S. Cardì, L. Cavallo, M. Ciccarelli, L. Gulisano, C. Nicocia, S. Rampulla, M. Santangelo, C. Stazzone, G. Stazzone, M. Testa, G. Rapisarda
- P 21** Routine use of videolaryngoscopy as a clinical risk mitigator in tracheal intubation of adult and pediatric patients: the risk management experience of E. Profili Hospital in Fabriano
E. Pisello, M. Ciuffreda, J. Silvestri, U.W. Basso, C. Piangatelli
- P 22** HFNO pre-oxygenation times in the elderly: a computational modelling study
R. Valentine, M. Laviola, J.G. Hardman
- P 23** Ibuprofen versus Ketorolac in videoassisted thoracoscopic pulmonary lobectomy
S. Santarelli, J. Scardua, E. Degli Esposti, I. Cavalli, J. Brandolini, A. Riccheo
- P 24** Flow Controlled Ventilation using a novel ultrathin endotracheal tube (Tritube) during laryngotracheal surgery
A. Grassetto, T. Pettenuzzo, F. Badii, F. Barzaghi, R. Carlon, S. Dellarole, M. Pipitone, M. Lionello, A. Bertolin
- P 25** Analysis of nursing workload in an Italian intensive care unit
P. Ricucci, M. Popovic, M. Greco, M. Mainetti, F. Sartori
- P 26** Inotropes and vasopressors use in patients admitted in ICU with cardiogenic shock: a retrospective study
C.N.J. Colombo, A. Guglielmi, L. Battistini, A. Bagliani, F. Mojoli, G. Tavazzi
- P 27** Damage Control Surgery in the emergency department: playing to improve trauma team knowledge?
F. Martignoni, E. Borotto, F. Giuffrida, G. Marini, G. Zocchi, E. Chironi, B. Franchi, F. Sammartano, M. Odeh, N. Dotan, F. Magni, M. Leone, G. Carcano, L. Festi, W. Ageno, P. Severgnini, L. Cabrini

E-POSTER CORNER 2

Thursday
May 5

DISCUSSION
h. 13.00 - 14.30

MISCELLANEA

Chairpersons: M. Raimondi, F. Rubulotta

- P 28** Pilot experience of a network organization through hospitals for the advanced treatment of the cardiogenic refractory shock with veno-arterial ECMO
A. Volontè, R. Colombo, T. Fossali, R. Rech, E. Catena
- P 29** Non-carbonic buffer power of whole blood is increased in experimental metabolic acidosis: an in-vitro study
M. Krbec, S. Brusatori, F. Zadek, A. Zanella, F. Duška, T. Langer
- P 30** Experimental determination of A_{tot} and pK_a of whole blood of healthy volunteers, patients with sepsis and postoperative patients: an in vitro study
S. Brusatori, M. Krbec, F. Zadek, A. Zanella, F. Duška, T. Langer
- P 31** Acid-base disorders in COVID-19 patients with acute respiratory distress syndrome
L. Gilardi, I. Fratti, L. Modafferi, M. Montante, F. Mazza, E. Tomarchio, S. Coppola, D. Chiumello
- P 32** Outcome of remote critical care advice provided by a specialized transport service [CoMET], for resuscitation and management of children closer to their homes
M. Zoha, A. Ghias, S. Alurkar
- P 33** Cardiac interstitial edema in intensive care unit: echocardiographic assessment of a novel entity in systemic diseases
A. Volontè, E. Catena, R. Colombo
- P 34** Characteristics of hospitalized COVID-19 patients treated with non invasive ventilation (NIV) during first and second pandemic waves at Varese hospital
D. D'Onofrio, M. Da Macallè, F. Ferrari, C. Potenzoni, A. Pollastri, A. Bianchi, S. Binda, G. Rossini, F. Cadario, S. Caldiroli, E. Contino, D. Creazza, M.C. De Martino, C. Novazzi, T. Costagliola, A. Bacuzzi
- P 35** Use of presepsin for early detection of ventilator associated pneumonia in COVID-19 ARDS
S. Vathi, G. Bussone, S. Di Blasi, L. Giosa, F. Carosso, V. Bobbio, S. Mussetta, R. Vacchelli, V. Cordero, V. Russotto, P. Caironi
- P 36** Ultrasound versus computed tomography measurement of pubic symphysis width in trauma patients
S. Montani, E. Borotto, G. Zocchi, J. Costa, O. Murad, R. Pizzi, G. Gini, E. Chironi, B. Franchi, A. De Martino, F. Giuffrida, A. Coppola, W. Ageno, L. Festi, M. Venturini, A. Virano, L. Bertù, G. Carcano, L. Cabrini
- P 37** Inspiratory effort in spontaneous COVID-19 patients: the role of central venous pressure swings
S. Lassola, S. Miori, A. Sanna, I. Menegoni, M. Umbrello

E-POSTER CORNER 1

FRIDAY
May 6

DISCUSSION
h. 13.00 - 14.30

SEPSIS AND INFECTIONS

Chairpersons: K. Donadello, D. Pasero

- P 38** Sepsis detection from pletismography
R. Deodati, M. Luchini, I. Calamai, S. Lombardi, P. Partanen, L. Bocchi, R. Spina
- P 39** Clinical outcomes of surgical sepsis and septic shock protocols in surgical intensive care unit
P. Boontoterm, P. Feungfoo
- P 40** COVID-19 associated pulmonary aspergillosis in intensive care unit: a single centre preliminary experience
F. Rumbolo, E. Balzani, G. Gavanna, G. Cantù, M. Puppo, G. Musso, G. Sales, A.M. Barbui, S. Corcione, G. Montrucchio, L. Brazzi
- P 41** Cytomegalovirus blood reactivation in COVID-19 critically ill patients: risk factors
I. Gatto, E. Biagioni, I. Coloretti, C. Farinelli, C. Avoni, V. Caciagli, S. Busani, M. Girardis
- P 42** Critical COVID-19 patients through first, second and third wave: retrospective observational study comparing outcomes in ICU
I. Coloretti, C. Farinelli, E. Biagioni, I. Gatto, E. Munari, L. Dall'Ara, S. Busani, M. Girardis
- P 43** Association between T-regulatory cells and outcome in patients with severe burn injuries
R. Giampieri, A. Lanza, F. Coletta, M. Notaro, M. Loreto, A. Tommasello, R. Villani
- P 44** Multisystem inflammatory syndrome caused by *Streptococcus suis*
M. Bosco, A. Topo, G. Baio, S. Riccardi, R. Bongarzone, M. Masala
- P 45** Incidence of COVID-19 associated pulmonary Aspergillosis (CAPA) in the ICU during the first (2020) and second pandemic waves (2021). The Veronese experience
T. Spallinger, E. Mercandelli, A. Rigon, E. Corsi, S. Iacoboni, M. Galuppo, L. Gottin, E. Polati, K. Donadello, D. Gibellini, A. Sorrentino, A.M. Azzini, M. Sibani, V. Binda, P. Zanatta

E-POSTER CORNER 2

FRIDAY
May 6

DISCUSSION
h. 13.00 - 14.30

NEUROINTENSIVE CARE AND EMERGENCY

Chairpersons: L. Beretta, F. Rasulo, G. Ristagno

- P 46** Clinical effects of cerebral near-infrared spectroscopy monitoring (NIRS) and guide intervention versus standard usual care in comatose patients
P. Boontoterm, P. Phontien, P. Feungfoo
- P 47** Third tier therapies in acute brain injury. Insights from the SYNAPSE-ICU study
A. Guglielmi, M. Baggiani, F. Graziano, P. Rebor, S. Galimberti, G. Citerio
- P 48** Protective effect of intracranial pressure monitoring and treatment in subarachnoid hemorrhage: a SYNAPSE-ICU study analysis
M. Baggiani, F. Graziano, A. Guglielmi, P. Rebor, S. Galimberti, C. Giussani, J.I. Suarez, R. Helbok, G. Citerio
- P 49** Early ventilation settings in brain-injured patients: preliminary data of VENTIBRAIN study
C. Almondo, P. Pelosi, A. Vargiolu, V. Piazza, F.S. Taccone, G. Citerio, C. Robba
- P 50** Posterior reversible encephalopathy (PRES) associated with HELLP syndrome: a case report
R. Pinto Medeiros, R. Pereira, P. Viana, B. Vale
- P 51** Indicators of liver graft outcome during normothermic regional perfusion for donation after cardiac death
I. Steinberg, A. Mina, E. De Cesaris, A. Bisciaio, F. Collino, L. Brazzi, M. Zanierato
- P 52** The PRhOspital Prediction of in Hospital Emergency Treatment (PROPHET) study
S. Isgrò, A. Benini, R. Giudici, L. Antolini, G. Bellani, G. Foti
- P 53** Interventions affecting long-term outcomes after cardiac arrest
D. Valaderio, C. Sartini, D. Gasberti, D.G. Maraggia, M. Triulzi, G. Landoni, L. Cabrini
- P 54** Assessment of the effectiveness of chest compressions with transesophageal echocardiography during cardiac arrest
A. Volontè, E. Catena, T. Fossali, D. Ottolina, R. Colombo
- P 55** Manual versus mechanical chest compressions comparison by transesophageal echocardiography
A. Volontè, R. Colombo, T. Fossali, R. Rech, A. Castelli, E. Catena
- P 56** The effect of ventilation strategy on cardiac output during cardiopulmonary resuscitation
C. Daudre-Vignier, M. Laviola, J.G. Hardman
- P 57** Predictive performance of TIMP2 and IGFBP7 biomarkers in trauma patients for early identification of acute kidney injury
G. Golino, M. Greco, A. Rigobello, E. Boni, E. Forin, M. Zanella, V. Danzi, S. De Rosa

EDUCATIONAL COURSES

Faculty

Aloisio T., Milano (I)
Antonelli M., Roma (I)
Bambi S., Firenze (I)
Bertini P., Pisa (I)
Bulleri E., Brescia (I)
Caironi P., Torino (I)
Colombo D., Milano (I)
Conti G., Roma (I)
Foti G., Monza (I)
Fusi C., Brescia (I)
Gattinoni L., Goettingen (D)
Giani M., Monza (I)
Gregoretti C., Palermo (I)
Iotti G.A., Pavia (I)
Langer T., Milano (I)
Lucchini A., Monza (I)
Minotti D., Monza (I)
Mondino M., Milano (I)
Nava S., Bologna (I)
Navalesi P., Padova (I)
Ranieri V.M., Bologna (I)
Rubino A., Cambridge (UK)
Russotto V., Torino (I)
Sanfilippo F., Catania (I)
Sangalli F., Sondrio (I)

- Corso Teorico-Pratico VAM 2022
I FONDAMENTALI DELLA VENTILAZIONE MECCANICA
2-3 MAGGIO 2022
- Corso Teorico-Pratico
ITACTA BEsT - CERTIFICAZIONE IN ECOCARDIOGRAFIA TRANSESOFOGEEA BASIC
2-3 MAGGIO 2022
- Interactive Theoretical-Practical Course
ACID-BASE EQUILIBRIUM: TO REMEMBER YOU NEED TO UNDERSTAND...
MAY 3, 2022
- Corso Teorico-Pratico NURSING
GESTIONE DELLA VENTILAZIONE PRIMA E DOPO IL COVID-19
3 MAGGIO 2022

Language: English or Italian, no simultaneous translation.
Lingua: Inglese o Italiano, senza traduzione simultanea.

Corso Teorico-Pratico VAM 2022

I FONDAMENTALI DELLA VENTILAZIONE MECCANICA

Direttore del Corso: **G. Foti** | Numero chiuso, max 80 partecipanti

AMBER HALL 3-4

Lunedì 2 Maggio	Martedì 3 Maggio
8.30 Registrazione dei Partecipanti	8.30 La ventilazione non invasiva <ul style="list-style-type: none"> I ventilatori, i circuiti, le interfacce - C. Gregoretti Le indicazioni - M. Antonelli
8.45 Pump failure e lung failure: cause di insufficienza respiratoria acuta <ul style="list-style-type: none"> Polmone - M. Antonelli Vie aeree - S. Nava Cuore - G. Foti Sistema nervoso e muscoli - P. Navalesi 	10.00 Lavorare sul polmone malato con le pressioni: caso clinico (ventilazione protettiva, PEEP, curva pressione-volume e reclutamento) G. Foti, C. Gregoretti
10.15 COFFEE BREAK	11.00 COFFEE BREAK
10.45 Supporto ventilatorio totale: modalità controllate <ul style="list-style-type: none"> Volume - G.A. Iotti Pressione - C. Gregoretti 	11.30 Supporto ventilatorio totale: modalità controllate <ul style="list-style-type: none"> ARDS e VILI - V.M. Ranieri
11.30 Il circuito esterno del ventilatore <ul style="list-style-type: none"> L'umidificazione delle vie aeree - G. Conti 	12.00 Come ventilo il paziente ostruttivo: caso clinico di stato di male asmatico G. Conti, S. Nava, P. Navalesi, M. Antonelli
12.00 Supporto ventilatorio parziale: modalità assistite <ul style="list-style-type: none"> L'approccio USA: l'Assistita-Controllata - G.A. Iotti L'approccio Europeo: il Pressure Support - G. Conti 	12.45 Riduzione del carico ventilatorio: ruolo della LF-ECCO₂-R - V.M. Ranieri
13.00 SNACK LUNCH	13.05 SNACK LUNCH
14.00 Supporto ventilatorio parziale: altre modalità assistite <ul style="list-style-type: none"> Intermittent Mandatory Ventilation (IMV) - G.A. Iotti Bilevel / Airway Pressure Release Ventilation (APRV) - G. Foti 	14.00 Il weaning - S. Nava
14.40 Valutazione della meccanica respiratoria passiva <ul style="list-style-type: none"> Resistenza e AutoPEEP - G.A. Iotti Compliance - G. Foti 	14.30 L'estubazione - P. Navalesi
15.30 INCONTRO CON GLI ESPERTI Esercitazioni pratiche a rotazione Parte 1 - 4 Workstation - Tutti i docenti	15.00 INCONTRO CON GLI ESPERTI Esercitazioni pratiche a rotazione Parte 2 - 4 Workstation - Tutti i docenti
18.00 Chiusura della giornata	17.00 Chiusura del Corso

ESERCITAZIONI PRATICHE. I partecipanti saranno suddivisi in gruppi di lavoro. Ciascun gruppo, guidato dagli esperti, ruoterà su workstation con tappe di 30 minuti ciascuna nei 2 pomeriggi.

Corso Teorico-Pratico

ITACTA BEST - CERTIFICAZIONE IN ECOCARDIOGRAFIA TRANSESOFOGEEA BASIC




Direttori del Corso: **A. Rubino, F. Sangalli** | Numero chiuso, max 30 partecipanti

Speakers: **T. Aloisio, P. Bertini, M. Mondino, A. Rubino, F. Sanfilippo, F. Sangalli**

BROWN HALL 1

Lunedì 2 Maggio	Martedì 3 Maggio
8.30 Registrazione dei Partecipanti	APPLICAZIONI TEE NEL PAZIENTE CRITICO (CASE-BASED LEARNING)
BASI DI ECOCARDIOGRAFIA TRANSESOFOGEEA	9.00 Warm-up: casi clinici sulle presentazioni del primo giorno
9.00 Presentazione del Corso A. Rubino, F. Sangalli	9.30 Valvulopatie: le basi
9.15 Fisica degli ultrasuoni, impostazioni dell'ecografo, artefatti	10.00 Sindromi aortiche acute
09.45 L'esame BEsT: anatomia e proiezioni	10.30 COFFEE BREAK
10.30 COFFEE BREAK	10.45 HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici
10.45 HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici	13.00 PAUSA PRANZO
13.00 PAUSA PRANZO	14.00 Arresto cardiaco ed E-CPR
14.00 Il ventricolo sinistro: funzione sistolica e diastolica	14.30 Valutazione ecodinamica quotidiana nel paziente critico
14.30 Il ventricolo destro: funzione sistolica e diastolica	15.00 TEE nell'ipertensione polmonare acuta e cronica
15.00 Calcoli emodinamici e valutazione della volemia	15.30 BREAK
15.30 BREAK	15.45 HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici
15.45 HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici	17.15 Valutazione finale
18.00 Chiusura della giornata	18.00 Conclusione del Corso

ESERCITAZIONI PRATICHE. Nelle sessioni Hands-on i partecipanti saranno suddivisi in due gruppi che si alterneranno tra discussione interattiva di casi clinici e attività pratica su simulatore.

Con il contributo non condizionante di:  **Accurate**
Learn. Practice. Improve.

Interactive Theoretical-Practical Course

ACID-BASE EQUILIBRIUM: TO REMEMBER YOU NEED TO UNDERSTAND...

Course Director: **L. Gattinoni** | Max 80 participants

AMBER HALL 5

Tuesday 3 May

8.30	Registration	14.15	Metabolic acidosis: diagnosis and treatment with alkalinizing agents <i>P. Caironi</i>
8.40	Opening greetings and presentation of the Course <i>L. Gattinoni</i>	14.35	Respiratory acidosis: when and how to correct it <i>L. Gattinoni</i>
8.55	Warm-up case <i>T. Langer</i>	14.55	Metabolic alkalosis: what produces and what maintains it <i>T. Langer</i>
9.05	Gas exchange. Overall evaluation of oxygen and CO₂: similarities and differences <i>L. Gattinoni</i>	15.15	Respiratory alkalosis and carbon dioxide stores of the body <i>L. Gattinoni</i>
9.40	Physicochemical approach to acid-base equilibrium: advantages and limitations <i>P. Caironi</i>	15.35	Acid-base alterations induced by intravenous fluid therapy <i>P. Caironi</i>
10.10	Classic approach to acid-base equilibrium: what does the Henderson-Hasselbalch really mean? <i>L. Gattinoni</i>	15.55	BREAK
10.40	How does the blood gas analyzer work? Pre-analytical errors and meaning of the measured/calculated variables <i>T. Langer</i>	16.15	Cerebrospinal fluid acid-base equilibrium <i>T. Langer</i>
11.10	Technological evolution in blood gas analysis <i>D. Colombo</i>	16.35	Diuretics and acid-base <i>P. Caironi</i>
11.30	COFFEE BREAK	16.55	INTERACTIVE CLINICAL CASES - Part 2 <i>T. Langer, P. Caironi, L. Gattinoni</i>
11.45	A single reading key for respiration and circulation: the arterio-venous blood gas analysis <i>L. Gattinoni</i>	17.55	Closing remarks <i>L. Gattinoni</i>
12.05	Base Excess: clinical use and limitations <i>T. Langer</i>	18.05	APERITIF
12.25	INTERACTIVE CLINICAL CASES - Part 1 <i>T. Langer, P. Caironi, L. Gattinoni</i>		
13.25	SNACK LUNCH		

The Course includes an interactive discussion of clinical scenarios with voting. Interactive voting is possible through the app **Poll Everywhere** (<https://www.polleverywhere.com/mobile>) or by linking at <https://pollv.com/thomaslanger673>

Unrestricted grant of **werfen**

Corso Teorico-Pratico **NURSING**

GESTIONE DELLA VENTILAZIONE PRIMA E DOPO IL COVID-19

Direttore del Corso: **A. Lucchini** | Numero chiuso, max 60 partecipanti

BROWN HALL 2

Martedì 3 Maggio

8.30	Registrazione dei Partecipanti	IN TERAPIA INTENSIVA
9.00	Introduzione	14.30 Intubazione del paziente critico <i>V. Russotto</i>
9.15	Start test interattivo	14.50 Postura prona: standard and extended prone position <i>A. Lucchini</i>
9.30	Concetti chiave di ventilazione nel paziente con insufficienza respiratoria <i>G. Foti</i>	15.10 Monitoraggio grafico durante ventilazione controllata <i>C. Fusi</i>
10.15	Quando pensare all'ECMO <i>M. Gianì</i>	15.40 Monitoraggio grafico durante il weaning <i>E. Bulleri</i>
11.00	COFFEE BREAK	16.00 Umidificatori, filtri ed aerosol <i>A. Lucchini</i>
	PRIMA DELLA TERAPIA INTENSIVA	16.30 HANDS ON Ventilatori polmonari e postura prona
11.30	Ossigenoterapia e High Flow Nasal Cannula <i>S. Bambi</i>	17.30 Chiusura del Corso
11.50	Helmet CPAP <i>A. Lucchini</i>	
12.15	Awake prone position and Rodin <i>D. Minotti</i>	
12.30	HANDS ON Helmet CPAP e HFNC	
13.30	PAUSA PRANZO	

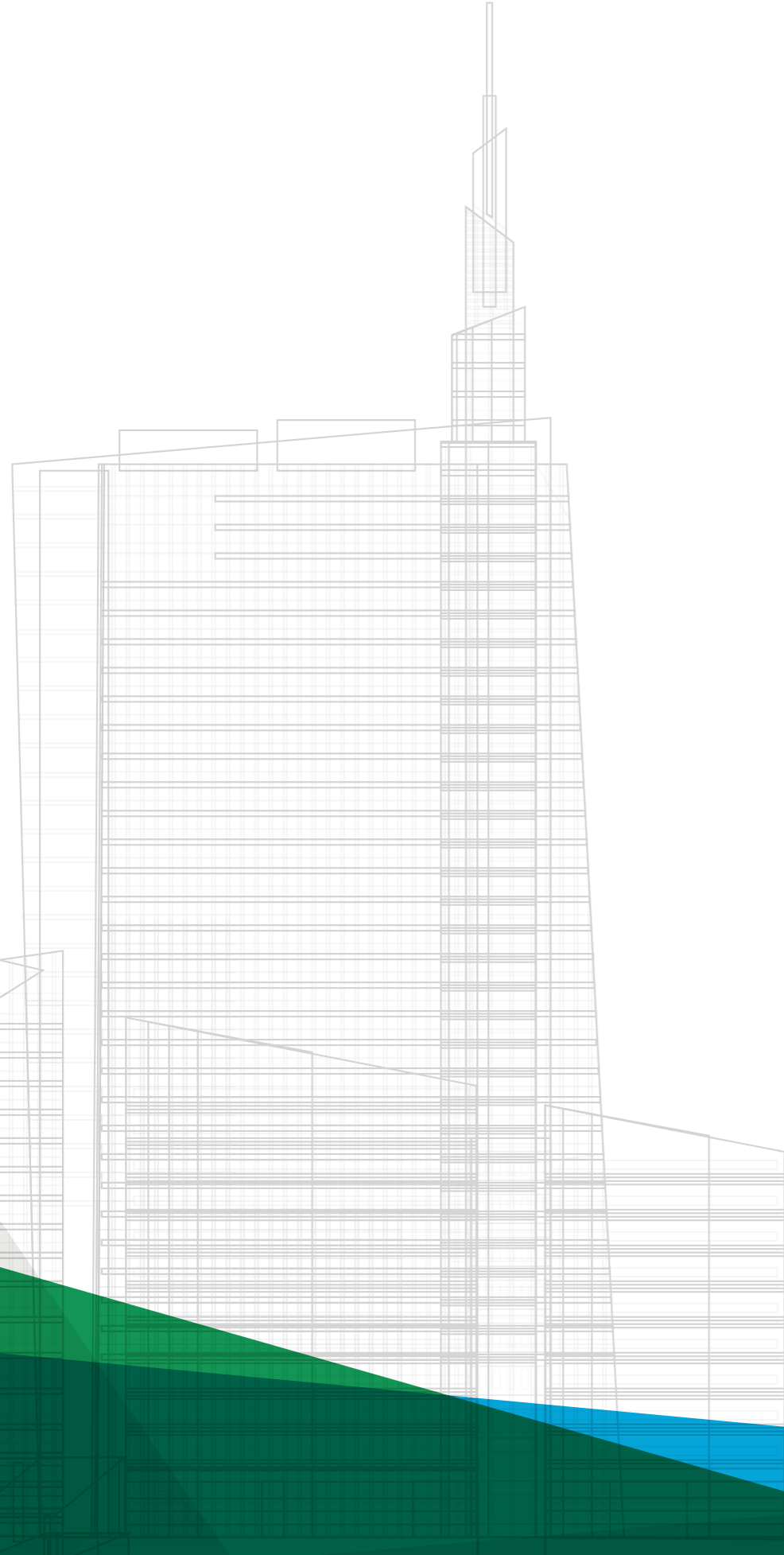
ESERCITAZIONI PRATICHE. Nelle sessioni HANDS ON, i partecipanti saranno suddivisi in gruppi di lavoro che ruoteranno su 2 workstation con tappe di 20 minuti ciascuna.

Con il contributo non condizionante di:





GENERAL INFORMATION



MEETING VENUE



MiCo - Milano Congressi South Wing | Level 1 and Level 2

GATE 2 Entrance: Viale Eginardo

GATE 16 Entrance: Via Gattamelata

20149 Milano | Website: www.micomilano.it



ON-SITE SECRETARIAT

The SMART Secretariat will be available on-site (Level 1 and Level 2 of the MiCo Milano Congressi South Wing), from 7.30 a.m. of Wednesday May 4 to the closing of the scientific sessions, according to the following opening hours:

Wednesday	May 4	7.30 - 18.30
Thursday	May 5	8.00 - 18.30
Friday	May 6	8.00 - 18.00

LEVEL 1

- Cloakroom
- Pre-registered Residents & Students
- New registrations Residents & Students
- Pre-registered Visitors
- New registrations Visitors

LEVEL 2

- Pre-registered Physicians & Nurses
- New registrations Physicians & Nurses
- Faculty
- Sponsoring Companies
- Info Point

OFFICIAL LANGUAGES

SMART MEETING
English, no simultaneous translation.

EXPERT SESSIONS
English or Italian, no simultaneous translation.

WeSMART SESSIONS
English or Italian, no simultaneous translation.

SIMULATION SESSIONS
Italian, no simultaneous translation.

ORAL PRESENTATIONS AND POSTERS
English, no simultaneous translation.

EDUCATIONAL COURSES
English or Italian, no simultaneous translation.

SMART NURSING
English or Italian, with simultaneous translation.

HEADPHONES

Headphones for translation (**only for Smart Nursing, May 6 2022**) are available in the Scientific Area (see layout 3).

FACULTY LOUNGE

A Faculty Lounge with internet point, exclusively reserved for speakers and chairpersons, is available in the Scientific Area (see layout 3).

COFFEE BREAK

Coffee Break Points are located in the Exhibition Area (see Catering Areas on layout 1).

BUFFET SERVICE

A buffet service (see layout 3) is open from h 12.30 to h 15.00.
*Hors d'oeuvre - First Course - Second Course - Vegetables
Dessert - Coffee - Water and Wine - € 36.00*

A Cafeteria is available in the Scientific Area (see layout 3). You can also find several restaurants and snack bars in the surroundings of the meeting venue.

PRESS REGISTRATION

Accredited members of the press are welcome to the SMART Meeting.

EXHIBITION

A wide Exhibition is available to participants. Exhibitors will be glad to introduce you the latest medical technologies and pharmaceutical products. We suggest you to visit this interesting area.

SCIENTIFIC INFORMATION

ORAL PRESENTATIONS

Oral presentations are scheduled on May 4-5-6 at different sessions as specified in the program. To each presentation a total time of 12 minutes is assigned, including 4 minutes for discussion.

E-POSTER SESSIONS

All posters presented at the 33rd SMART Meeting are displayed as E-posters on touchscreen monitors located in the E-Poster Corners (see layout 1) from h 9.00 of Wednesday May 4 to h 17.00 of Friday May 6.

Poster discussion will take place in the E-Poster Corners (see layout 1) as detailed below:

WEDNESDAY MAY 4, H 13.00 - 14.30
- COVID-19 AND ARF (*E-Poster Corner 1*)
- CASE REPORTS (*E-Poster Corner 2*)

THURSDAY MAY 5, H 13.00 - 14.30
- ANESTHESIA ET AL. (*E-Poster Corner 1*)
- MISCELLANEA (*E-Poster Corner 2*)

FRIDAY MAY 6, H 13.00 - 14.30
- SEPSIS AND INFECTIONS (*E-Poster Corner 1*)
- NEUROINTENSIVE CARE AND EMERGENCY (*E-Poster Corner 2*)

At least one of the Authors should be in the E-Poster Corner to interact with the audience. All accepted abstracts will be published on www.smartonweb.org and www.e-smart2022.org

Best Abstract Award



During the 33rd SMART the best three abstracts presented at the meeting will be awarded.

The Award Ceremony will take place during the SMART Meeting on **Thursday May 5 at h. 18.00 in the Exhibition Area.**

In order to receive the award, winners are requested to be registered to the SMART Meeting and must be present at the Award Ceremony.

All prizes are dedicated to Dr. Mario Veronesi and kindly offered by INTERSURGICAL.

PRIZES

1st PRIZE: Award Certificate, 1 registration voucher for the next SMART Meeting, monetary award of € 1000.00

2nd PRIZE: Award Certificate, 1 registration voucher for the next SMART Meeting, monetary award of € 500.00

3rd PRIZE: Award Certificate, 1 registration voucher for the next SMART Meeting, monetary award of € 300.00

REGISTRATION FEES

	BEFORE MARCH 16	AFTER MARCH 16	ON-SITE
Physicians <i>ESICM Members</i>	€ 280.00	€ 336.00	€ 376.00
Physicians <i>SIAARTI, AAROJ, ESPNIC Members</i>	€ 300.00	€ 370.00	€ 400.00
Physicians <i>Non Members</i>	€ 350.00	€ 420.00	€ 470.00
Physicians <i>from low and middle-income countries §</i>	€ 200.00	€ 250.00	€ 300.00
Nurses *	€ 130.00	€ 160.00	€ 180.00
Visitors #	€ 100.00	€ 100.00	€ 100.00
Residents/Students **	Free entrance (with mandatory pre-registration)		

Current Italian VAT is included

§ *Low and middle-income countries*
<https://data.worldbank.org/country/XO>

* *Pre-registration should be submitted online at www.smartonweb.org or www.e-smart2022.org or www.startpromotion.it. During the pre-registration procedure, Nurses will be required to upload a document proving their status. The congress bag is guaranteed only to pre-registered participants.*

Registration for Visitors is mandatory. The Visitor Badge gives access to all SMART areas/spaces except for Scientific Halls and Simulation Center.

** *Pre-registration should be submitted online at www.smartonweb.org or www.e-smart2022.org or www.startpromotion.it. During the pre-registration procedure, Residents/Students will be required to upload a document proving their status. Free admittance does not entitle to the congress bag.*

In case of limitations of number of participants due to the spread of the COVID-19 pandemic, registrants will be admitted based on the "first come-first served" rule (date of registration will be considered), until the maximum number allowed is reached.

Online pre-registrations should be submitted **before April 20, 2022**. Later registrations are possible on-site only.

Registration fees include: congress bag, badge, attendance certificate, coffee breaks and any other catering services included in the program.

The congress bag is guaranteed only to pre-registered participants (Physicians & Nurses).

ONLINE REGISTRATION

Both registration (SMART Meeting, SMART Nursing, Simulation Sessions, Educational Courses) and hotel reservation should be submitted online at the websites www.smartonweb.org and/or www.e-smart2022.org and/or www.startpromotion.it. Please read the instructions carefully before starting your registration/reservation.

INSTRUCTIONS FOR PAYMENT

Payment of the registration fees can be made as follows:

- **Bank transfer** (free of charge for the beneficiary)
To: START PROMOTION S.r.l.
Bank: Banca Intesa San Paolo Spa
IBAN: IT21X0306911310000027269163
SWIFT/BIC CODE: BCITITMM
As payment description please enter: **SMART 2022, first & family name of the Registrant**. If payment includes also an Educational Course and/or a hotel reservation, please specify the Course title and/or the name of the hotel.
- **Credit Card** (Visa, Mastercard, Maestro, Moneta)

CANCELLATION POLICY

A 50% refund of the registration fee will be paid ONLY for cancellations notified in writing before **April 4, 2022**. No refund is due for later cancellations

INVOICING

The invoice will be sent to the address entered during registration at www.smartonweb.org and/or www.e-smart2022.org and/or www.startpromotion.it. Receipt of the invoice will confirm registration.

SIMULATION SESSIONS

Admission to the Simulation Sessions is limited to 40 participants, with mandatory pre-registration.

Registrations will be accepted on a first-come first-served basis, depending on availability.

SESSIONS	FEE
1 <i>Reclutamento alveolare e impostazione della PEEP in base alla meccanica...</i>	€ 25.00
2 <i>Gestione della temperatura target</i>	€ 25.00
3 <i>Strumenti per una ventilazione meccanica personalizzata in pazienti attivi e passivi</i>	€ 25.00
4 <i>Monitoraggio respiratorio avanzato tramite pressione esofagea ed attività...</i>	€ 25.00
5 <i>Sessione pratica sull'utilizzo della anestesia totalmente endovenosa TIVA/TCl...</i>	€ 25.00
6 <i>Migliorare la gestione dell'ARDS sulla base della meccanica respiratoria e della...</i>	€ 25.00
7 <i>Impostazione del ventilatore in ventilazione assistita</i>	€ 25.00

Current Italian VAT is included

EDUCATIONAL COURSES

Admission to Educational Courses is limited to a restricted number of registrants, with mandatory pre-registration and pre-payment. Online registrations should be submitted at the websites www.smartonweb.org and/or www.e-smart2022.org and/or www.startpromotion.it. **Deadline: April 20, 2022**. Registrations will be accepted on a first-come first-served basis, depending on availability.

Educational Courses do not require registration to the SMART Meeting.

CORSO TEORICO-PRATICO VAM 2022
I FONDAMENTALI DELLA VENTILAZIONE MECCANICA
May 2-3, 2022 - Max 80 participants

Not coupled with SMART registration € 580.00
Coupled with SMART registration € 460.00
Residents € 280.00

CORSO TEORICO-PRATICO
ITACTA BEsT - CERTIFICAZIONE IN ECOCARDIOGRAFIA TRANSESOFAGEA BASIC
May 2-3, 2022 - Max 30 participants

Not coupled with SMART registration € 350.00
Coupled with SMART registration € 300.00
Residents € 250.00

INTERACTIVE THEORETICAL-PRACTICAL COURSE
ACID-BASE EQUILIBRIUM: TO REMEMBER YOU NEED TO UNDERSTAND...

May 3, 2022 - Max 80 participants

Not coupled with SMART registration € 240.00
Coupled with SMART registration € 200.00
Residents € 120.00

CORSO TEORICO-PRATICO NURSING
GESTIONE DELLA VENTILAZIONE PRIMA E DOPO IL COVID-19

May 3, 2022 - Max 60 participants

Not coupled with Smart registration € 180.00
Coupled with Smart registration € 120.00
ANIARTI/SIAARTI Members € 140.00

Current Italian VAT is included

TRAVEL INFORMATION

BY AIR

MILANO LINATE AIRPORT

Take bus no. 73 in the "National Arrivals Exit" area all the way to the terminal of Piazza San Babila. Then take the Metro Red Line M1 (Rho Fieramilano direction) and get off at "Amendola" stop (700 m from the meeting venue, Gate 2 entrance) or "Lotto" stop (approx. 800 m from the meeting venue, Gate 2 entrance).

MILANO MALPENSA AIRPORT

The "MALPENSA EXPRESS" train service will take you directly from the airport to the center of Milan in 40 minutes, stopping at the Ferrovie Nord "Cadorna" station. Take the Metro Red Line M1 (Rho Fieramilano direction) and get off at "Amendola" (700 m from the meeting venue, Gate 2 entrance) or "Lotto" stop (approx. 800 m from the meeting venue, Gate 2 entrance). Alternatively, at the Ferrovie Nord "Cadorna" station take the rail line S3/S4 and get off at "Domodossola" stop (600 m from the meeting venue, Gate 16 entrance).

ORIO AL SERIO AIRPORT

The "AUTOSTRADALE" or "AIR PULLMAN" bus service will take you directly from the airport to Milan Central Station in 60 minutes. Take the Metro Green Line M2 (Assago-Abbiategrasso direction) and get off at "Garibaldi" (one stop only). Take the Lilac Line M5 (San Siro direction) and get off at "Portello" stop (80 m from the meeting venue, Gate 2 entrance).

BY TRAIN

CENTRAL STATION

Take the Metro Green Line M2 (Assago-Abbiategrasso direction) and get off at "Garibaldi" (one stop only). Take the Lilac Line M5 (San Siro direction) and get off at "Portello" stop (80 m from the meeting venue, Gate 2 entrance).

GARIBALDI STATION

Take the Metro Lilac Line M5 (San Siro direction) and get off at "Portello" stop (80 m from the meeting venue, Gate 2 entrance).

CADORNA STATION

Take the Metro Red Line M1 (Rho Fieramilano direction) and get off at "Amendola" stop (700 m from the meeting venue, Gate 2 entrance) or "Lotto" stop (approx. 800 m from the Meeting venue, Gate 2 entrance). Alternatively, take the rail line S3/S4 and get off at "Domodossola"

BY CAR

From any of the ring roads circling Milan follow the signs to Fieramilanocity, or to any of the large Park & Ride car parks located close to the following Metro stops:

- Cascina Gobba (1800 cars) Green Line M2.
- San Donato (1800 cars) Yellow Line M3.
- Famagosta (3000 cars) Green Line M2.
- Bisceglie (1900 cars) Red Line M1.
- Lampugnano (2000 cars) Red Line M1

MiCo South Wing Parking

An underground car parking is available in the MiCo area with entrance and exit through Gate 16 - Via Gattamelata. Parking rate: € 15.00 full day, with direct payment at the cash counter. Open from h 7.30 to h 20.30, overnight parking not allowed.

PUBLIC TRANSPORT

STANDARD TICKET

Fare: € 2.00. Validity: 90 minutes after stamping. Valid for one or more journeys in the entire urban ATM network including trams, buses and underground.

ONE-DAY TICKET

Fare: € 7.00. Validity: 24 h after stamping. Valid for unlimited journeys in the entire urban ATM network including trams, buses and underground.

3-DAY TICKET

Fare: € 12. Validity: 72 h after stamping. Valid for unlimited journeys in the entire urban ATM network including trams, buses and underground.

Tickets are on sale at any authorized ATM outlet and from the ticket machines located at all underground stations.

UNDERGROUND

The Milan Underground has four lines: Red Line M1, Green Line M2, Yellow Line M3, Lilac Line M5



See the map on page 74.

To reach the meeting venue (Gate 2, Viale Eginardo entrance) by metro, follow the directions below:

LILAC LINE M5

Get off at "Portello" stop (80 m from the meeting venue).

RED LINE M1

Get off at "Amendola" stop (700 m from the meeting venue) or "Lotto" stop (approx. 800 m from the meeting venue).

GREEN LINE M2

Get off at "Garibaldi" stop, take the Lilac Line M5 (San Siro direction) and get off at "Portello" stop (80 m from the meeting venue).

YELLOW LINE M3

Get off at "Duomo" stop, take the Red Line M1 (Rho Fieramilano direction) and get off at "Amendola" stop (700 m from the meeting venue) or "Lotto" stop (approx. 800 m from the meeting venue). Alternatively, get off at "Zara" stop, take the Lilac Line M5 (San Siro direction) and get off at "Portello" stop (80 m from the meeting venue).

SURFACE TRANSPORT

You can reach the meeting venue by surface transport as follows:

GATE 2, Viale Eginardo entrance:

- Bus no. 78 (Eginardo/Colleoni stop)

GATE 16, Via Gattamelata entrance:

- Bus no. 78 (Colleoni/Gattamelata stop)

- Tram no. 19 (Boezio stop)

- Tram no. 27 (Piazza 6 Febbraio stop)

TAXI SERVICE

A radiotaxi service is available at the following telephone numbers: 02 8585; 02 4040; 02 7777; 02 6969



1 Hotel Melià Milano****
www.melia.com

Via Masaccio, 19 - 20149 Milano | Tel. +39 02 44406

Wonderful hotel located near via Monte Rosa and via Ravizza, charming streets with elegant boutiques and restaurants. Top level facilities and extraordinary comfort. Only 10 minutes by walk from the meeting venue and 5 minutes from Lotto underground station (Red Line M1, Rho Fieramilano direction).

DUS Room ^s Stardard	€ 219.00	Minimum Stay 2 nights
Double Room	€ 239.00	Minimum Stay 2 nights

2 Enterprise Hotel Milano****S
www.enterprisehotel.com

Corso Sempione, 91 - 20149 Milano | Tel. +39 02 31818

Design hotel best representing Milan's creative and innovative spirit. Located in one of the most lively areas of the city, a short walk away from the meeting venue and a few minutes from the city centre, close to Castello Sforzesco, Arco della Pace and La Triennale museum.

DUS Room ^s Superior	€ 208.00	Minimum Stay 2 nights
Double Room Superior	€ 223.00	Minimum Stay 2 nights

DUS Room ^s Superior	€ 193.00	Minimum Stay 3 nights
Double Room Superior	€ 208.00	Minimum Stay 3 nights

3 Una Hotel Scandinavia****
www.unahotels.com

Via G. B. Fauché, 15 - 20154 Milano | Tel. +39 02 336391

Located in a strategic position, this business hotel offers high quality facilities and an excellent level of comfort in a welcoming and relaxing ambiance. The hotel is well connected to the meeting venue through the underground network (only 100 mt far from Gerusalemme station, Lilac Line M5). It is also easily accessible by car. A private garage is available to hotel guests.

DUS Room ^s Classic	€ 165.00	Minimum Stay 3 nights
Double Room Classic	€ 185.00	Minimum Stay 3 nights

4 City Life Hotel Poliziano****
www.citylifehotelpoliziano.it

Via Angelo Poliziano, 11 - 20154 Milano | Tel. +39 02 3191911

Sophisticated and modern 4-star hotel located in the renowned and elegant Sempione district with new restaurants and fashionable night clubs, a short distance from Castello Sforzesco and Arco della Pace and well connected to the meeting venue by underground (Lilac Line M5).

DUS Room ^s Classic	€ 150.00	Minimum Stay 2 nights
Double Room Classic	€ 170.00	Minimum Stay 2 nights

5 Admiral Hotel****

www.admiralhotel.it

Via Domodossola, 16 - 20145 Milano | Tel. +39 02 3492151

Unusual and comfortable hotel located only 5 minutes by walk from the meeting venue and a short distance from the historical center of Milan. The hotel rooms have been recently renovated, transforming the 4-star hotel into a unique boutique hotel inspired by icons from the world of sports, cinema and music. New acoustic and thermal insulation equipment and a renewed air conditioning system provide greater comfort to hotel guests.

DUS Room [§] Classic	€ 139.00	Minimum Stay 2 nights
Double Room Classic	€ 169.00	Minimum Stay 2 nights

6 Ac Hotel Milano****

www.ac-hotels.com

Via Tazzoli, 2 - 20154 Milano | Tel. +39 02 20424211
(close to the Porta Garibaldi railway station)

Modern 4-star hotel located in one of the most exclusive area of Milan, close to the Porta Garibaldi railway station, a short distance from the Fashion District and some of the most famous art galleries in Milan. Approximately 3 kilometers far from the meeting venue, the hotel offers easy access to the underground network (Lilac Line M5 and Green Line M2).

DUS Room [§]	€ 199.00	Minimum Stay 2 nights
Double Room	€ 219.00	Minimum Stay 2 nights

7 Tocq Hotel****

www.tocq.it

Via Alessio di Tocqueville, 7/d - 20154 Milano | Tel. +39 02 62071
(close to the Porta Garibaldi railway station)

Right in the heart of Corso Como, one of the most fashionable area of Milan with its famous restaurants and night clubs, this 4-star hotel with its sophisticated design offers a high level of comfort in a modern and elegant ambiance. Located close to the underground network (Lilac Line M5 and Green Line M2) the hotel is well connected to the meeting venue.

DUS Room [§]	€ 219.00	Minimum Stay 2 nights
Double Room	€ 239.00	Minimum Stay 2 nights

8 Qualys Hotel Nasco****

www.hotelnascomilano.it

Corso Sempione, 69 - 20149 Milano | Tel. +39 02 31951

The hotel is very spacious and bright, offering a warm atmosphere and a harmonious balance of modern technology and traditional charm. 15 minutes by walk from the meeting venue.

DUS Room [§]	€ 165.00	Minimum Stay 2 nights
Double Room	€ 175.00	Minimum Stay 2 nights

§ DUS Room: Double Room Single Use

Milan City Tax NOT INCLUDED

To be settled directly to the hotel upon check out.

City Tax for hotel accommodation in Milan:

4-star and 5-star hotels € 5

3-star hotels € 4

2-star hotels € 3

1-star hotels € 2

Rates are per person per night.

INSTRUCTIONS FOR HOTEL BOOKING

Hotel reservation should be done online at www.startpromotion.it before **April 15, 2022**.

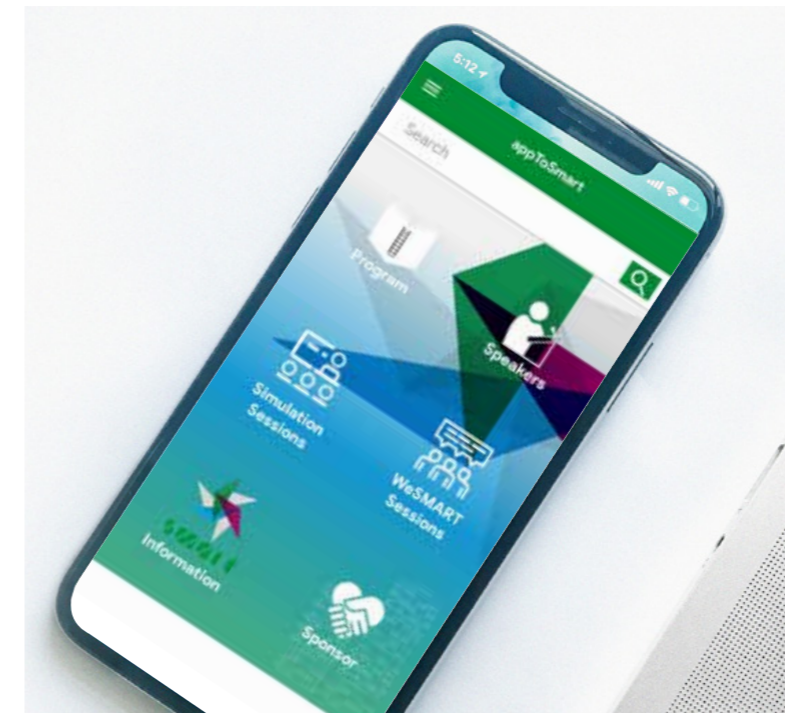
Hotel rates include breakfast, taxes and service fees. **€ 25.00 (VAT incl) reservation charges not included.** For more information please contact the Organizing Secretariat at info@startpromotion.it.

APP TO SMART

the SMART meeting at your fingertips

Real time interaction, ballot system and all SMART info at a glance!

Interazione in tempo reale, sistema di votazione (ballot) e tutte le informazioni sempre a portata di mano!



Download the app

on www.smartonweb.org or directly on App Store for Apple Products and Google Play for Android Products.

Scarica l'app

su www.smartonweb.org o direttamente su App Store per prodotti Apple e Google Play per prodotti Android.



ACKNOWLEDGEMENTS

We are grateful to the following Companies for their contribution to the success of the SMART Meeting.
Si ringraziano le Aziende per il contributo dato alla realizzazione dello SMART.

AB MEDICA, ACCURATE, AFERETICA, ASPEN ITALIA, ASSITA, B BRAUN, BAXTER, BD, BD-BARD, BIOMERIEUX, BIOTEST, BURKE & BURKE, CSL BEHRING, DELTAMED, DIMAR, DRAEGER MEDICAL, EDIZIONI MINERVA MEDICA, EDWARDS LIFESCIENCES, ESTOR, FISHER & PAYKEL HEALTHCARE, FLEXICARE, FRAMAR HEMOLOGIX, FRESENIUS MEDICAL CARE, FRESENIUS KABI, GE HEALTHCARE, GETINGE, GILEAD, GRIFOLS, HAMILTON MEDICAL, HAROL, HILL-ROM, KEDRION BIOPHARMA, INTERSURGICAL, LIBRERIA CORTINA, MEDIGAS, MEDIVAL, MEDTRONIC, MENARINI, MINDRAY, MSD, PIRAMAL CRITICAL CARE, SEDA, SIARE, THERMO FISHER SCIENTIFIC, VERATHON MEDICAL, VYAIR, VYGON, WERFEN

EXHIBITION

The Exhibition is open from h 8.00 of Wednesday May 4 to h 18.00 of Friday May 6.
L'esposizione è aperta dalle ore 8.00 di Mercoledì 4 Maggio alle ore 18.00 di Venerdì 6 Maggio.

COMPANY	BOOTH N.
ACCURATE	66
AFERETICA	75 - 76
ASPEN ITALIA	T3
ASSITA	F5
B BRAUN	5 - 10
BAXTER	57 - 58
BD	42 - 43 - 51
BD-BARD	T2 - 52
BIOMERIEUX	F3
BIOTEST	55 - 56
BURKE & BURKE	82 - 83 - 84
DELTAMED	F4
DIMAR	30 - 31 - 36 - 37
DRAEGER MEDICAL	62 - 63 - 67 - 68
EDIZIONI MINERVA MEDICA	T4
EDWARDS LIFESCIENCES	59
ESTOR	40 - 41 - 49 - 50
FISHER & PAYKEL HEALTHCARE	44
FLEXICARE	6
FRAMAR HEMOLOGIX	T5
FRESENIUS MEDICAL CARE	70

COMPANY	BOOTH N.
GE HEALTHCARE	24 - 25
GETINGE	22 - 23 - 28 29 - 34 - 35
GILEAD	20
HAMILTON MEDICAL	82 - 83 - 84
HAROL	60 - 61
HILL-ROM	64 - 69
INTERSURGICAL	38 - 39 - 47 - 48
LIBRERIA CORTINA	T8
MEDIGAS	3
MEDIVAL	4
MEDTRONIC	45 - 46 - 53 - 54
MINDRAY	1 - 2 - 13 - 14
PIRAMAL CRITICAL CARE	F1
SEDA	79 - 80 - 81
SIAARTI	F2
SIARE	26 - 27 - 32 - 33
THERMO FISHER SCIENTIFIC	21
VERATHON MEDICAL	77 - 78
VYAIR	65
VYGON	15
WERFEN	T1

Level 2

EXHIBITION AREA

- > Exhibition
- > Reception
 - Pre-registered Physicians & Nurses
 - New registrations Physicians & Nurses
 - Faculty
 - Sponsoring Companies
 - Info Point
- > E-Poster Corner 1
- > E-Poster Corner 2
- > WeSmart Space 1
- > WeSmart Space 2
- > Discussion Square
- > Simulation Center
- > Smart Social Lounge
- > Catering Areas
- > Bar



Level 1

MAIN ENTRANCE

> **Reception**

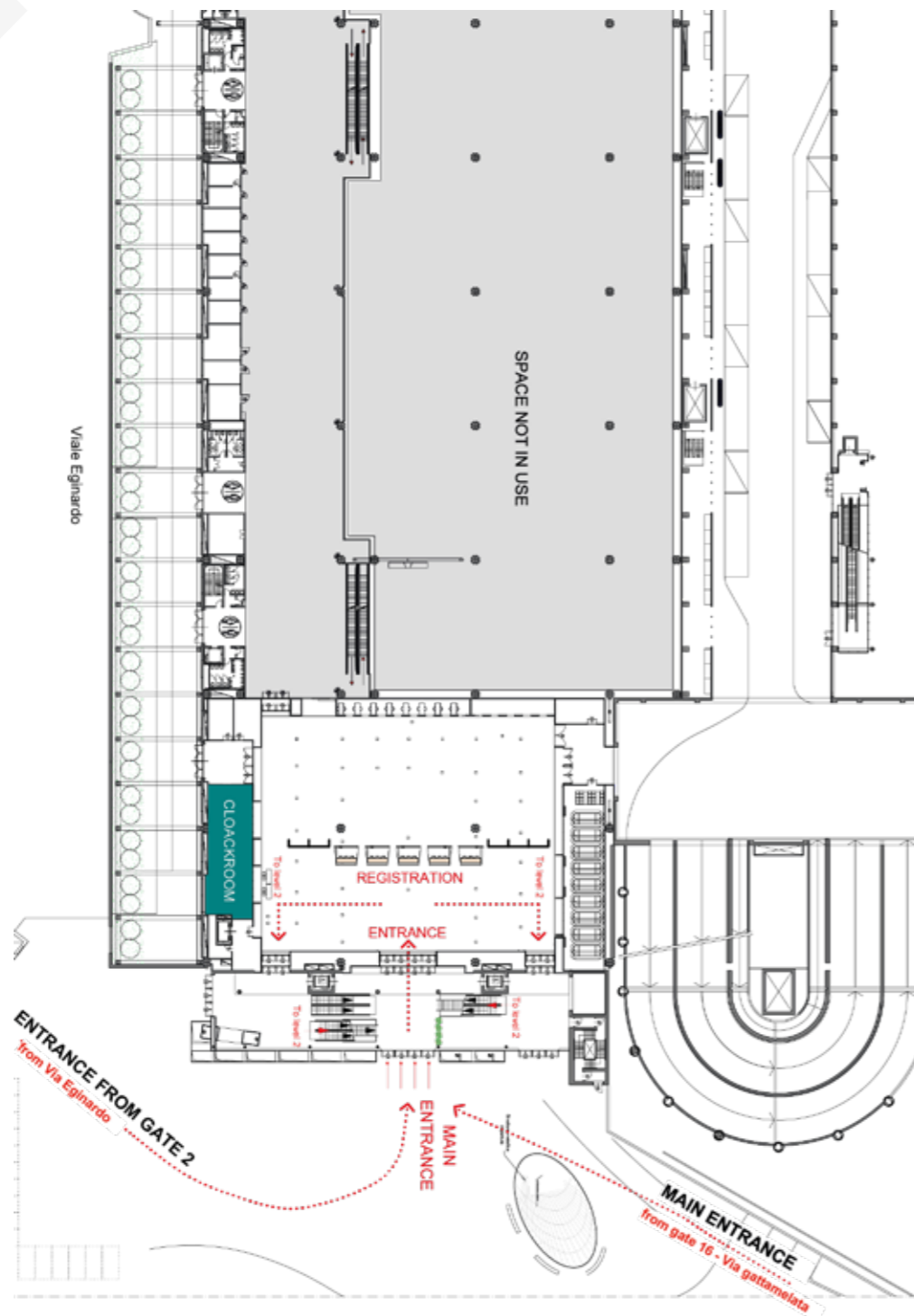
Pre-registered Residents & Students

New registrations Residents & Students

Pre-registered Visitors

New registrations Visitors

> **Cloakroom**



Level 2

SCIENTIFIC AREA

> **Halls**

■ Amber 1-2

■ Amber 3-4

■ Amber 5-6

■ Amber 7

■ Brown 1

■ Brown 2

■ Brown 3

■ Suite 2

■ Suite 3

■ Suite 4

■ Stairs to Mezzanine

■ Level

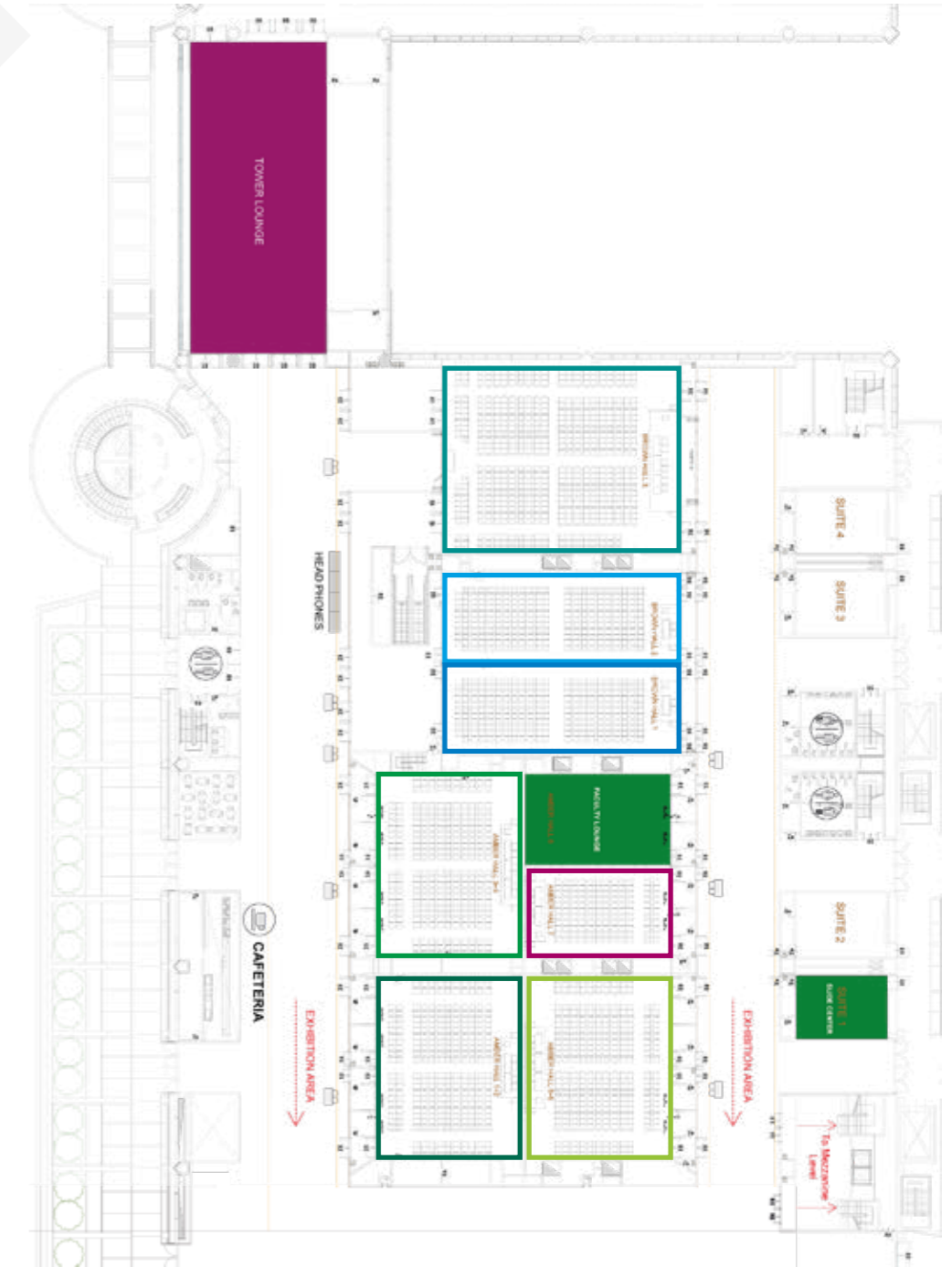
> **Faculty Lounge**

> **Slide Center**

> **Headphone Desk**

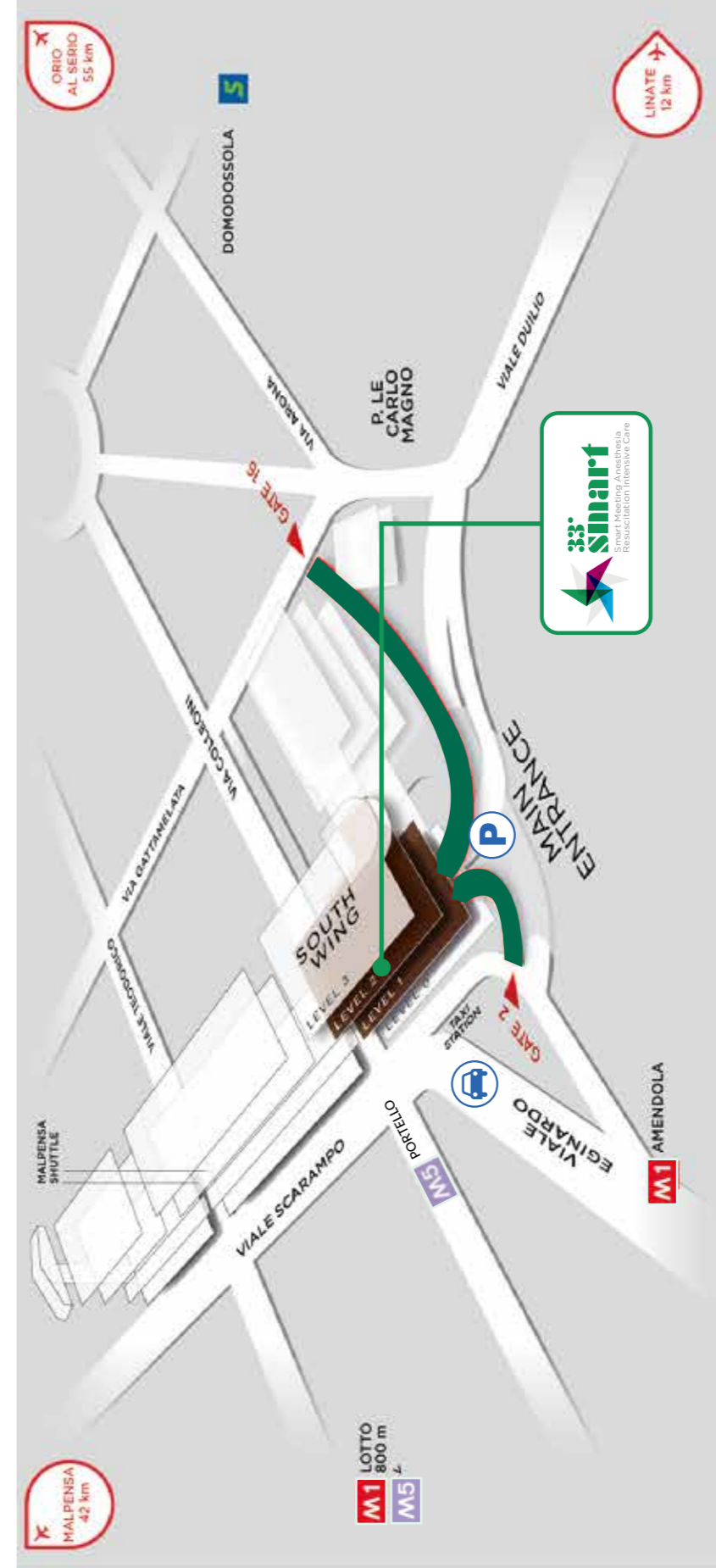
> **Cafeteria**

> **Tower Lounge Buffet Service**



Level 2

TOTAL LAYOUT



M1 Underground Metropolitana

M5

S Underground Metropolitana

S TRENORD Suburban Rail Line S3/S4
TRENORD Linea Ferroviaria Suburbana S3/S4

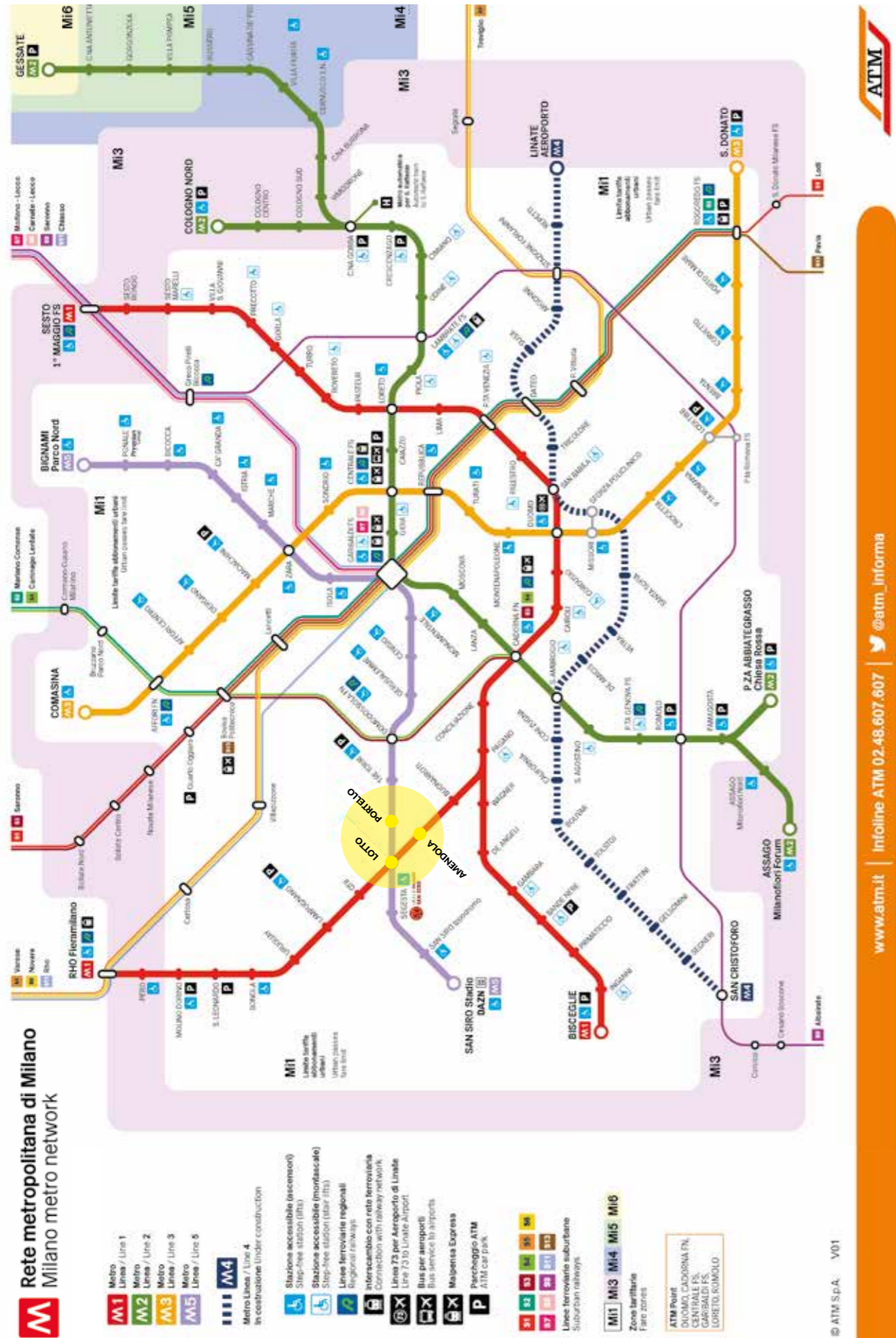


Taxi



P MiCo South Wing PARKING - Entrance/Exit through Gate 16 Via Gattamelata
Parking rate: Euro 15.00 full day, direct payment at the cash counter.
Open from h 7.30 to h 20.30, overnight parking not allowed.

PARCHEGGIO INTERRATO MiCo SUD - Ingresso/Uscita dal Gate 16 Via Gattamelata
Tariffa: Euro 15,00 per l'intera giornata, pagamento diretto in cassa con addetto.
Aperto dalle 7.30 alle 20.30. Non sono concesse soste notturne.



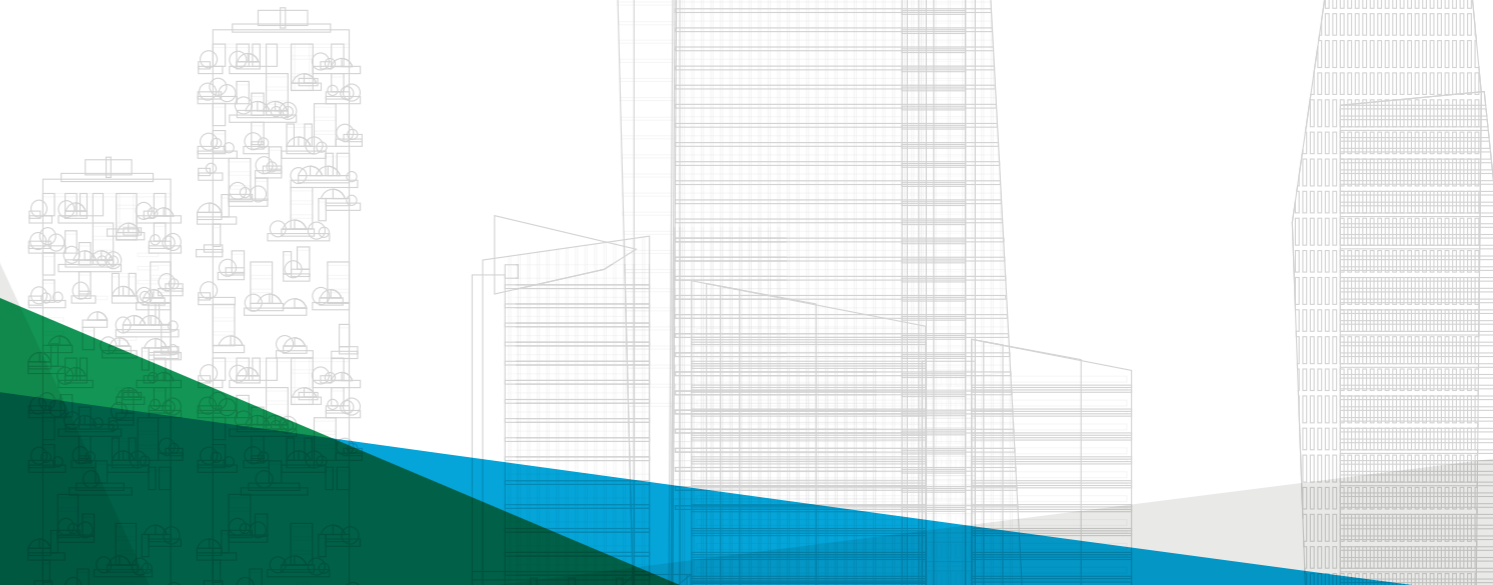
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