



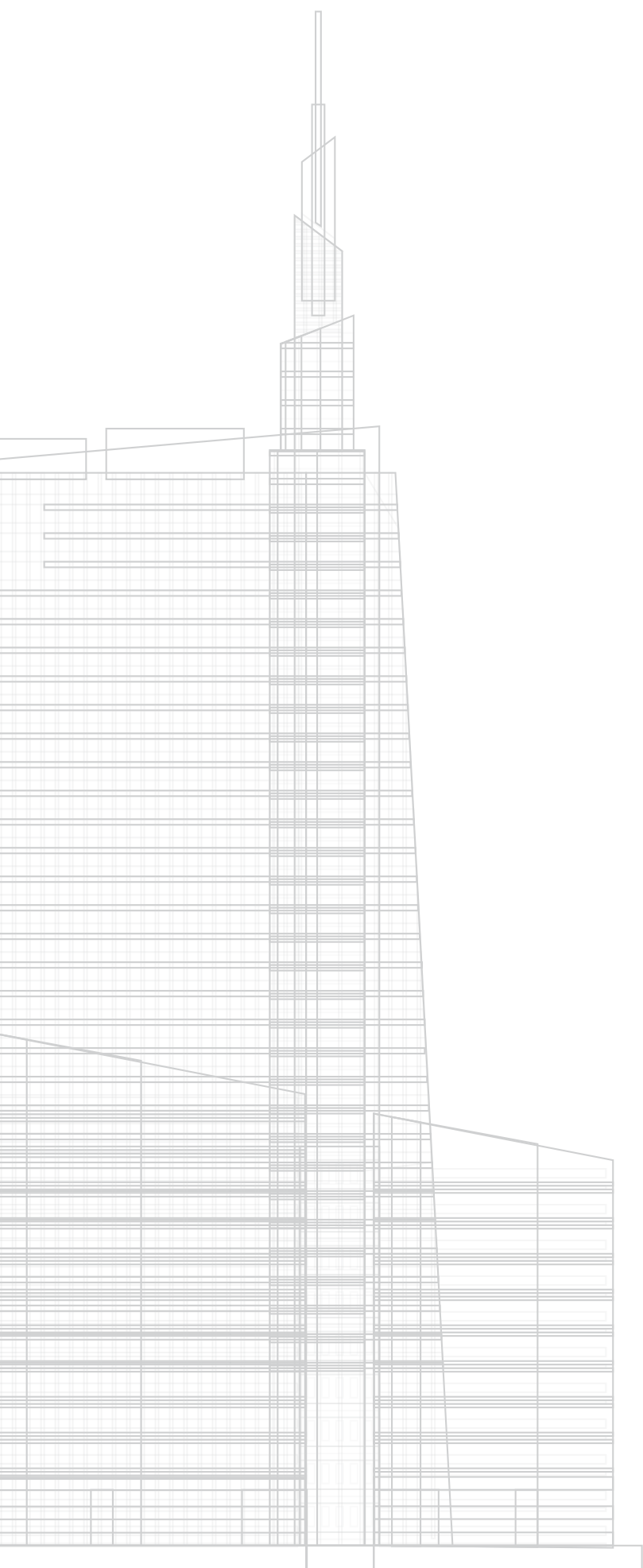
33° smart

Smart Meeting Anesthesia
Resuscitation Intensive Care

MiCo South Wing

Milan | May 4-6, 2022

PRELIMINARY PROGRAM



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G. Citerio, G. Conti, L. Gattinoni, M. Girardis,
A. Pesenti, M. Quintel, F. Raimondi, M. Senturk

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Start Promotion Srl

Via Mauro Macchi, 50 - 20124 Milano - Italy
Tel. +39 02 67071383 | Fax +39 02 67072294
Email: info@startpromotion.it
www.startpromotion.it

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Register now!

Online pre-registrations at www.smartonweb.org
Deadline: **April 20, 2022**

Early registration with reduced fees
Deadline: **March 16, 2022**

Call for Abstract

Online abstract submission at www.smartonweb.org
Deadline: **March 16, 2022**

Best Abstract Award

The best three abstracts presented at the meeting will be awarded. Details at www.smartonweb.org

WeSmart Space

To encourage the integration between science and industry, a new technical-scientific environment has been created in the Exhibition Area, featuring two multifunctional spaces made available to companies for the organization of complementary activities.

Smart Social Lounge

Open relax lounge in the Exhibition Area with internet point, wifi connection and free coffee point.

Mid-afternoon Break

A 30' PM break is scheduled from 16.00 to 16.30

Q&A Corner

New open space in the Exhibition Area, intended to be used for direct interaction between speakers and attendees on the topics presented during the scientific sessions.

Larger Simulation Center

To meet the growing interest aroused by the simulation sessions, a larger Simulation Center will be available.





PRELIMINARY PROGRAM

AMBER HALL 1-2**COMPARING DATA FROM COVID-19 AND NON COVID-19 ARDS**

Chairpersons: TBD, M. Cecconi

- 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*

AMBER HALL 3-4**WHICH STUDY CHANGED YOUR PRACTICE IN THE LAST 10 YEARS****Which study changed your practice in... Intensive Care**

- 9.30 **Respiratory intensive care**
G. Bellani
- 9.45 **Neurointensive care**
M. Oddo
- 10.00 **Fluid management**
P. Caironi
- 10.15 **Renal failure and CRRT**
M. Ostermann
- 10.30 **Sepsis**
M. Singer

*Coffee Break and Exhibition Visit***Which study changed your practice in... Emergency Medicine**

- 11.30 **Resuscitation**
TBD
- 11.50 **Cardiac arrest**
G. Ristagno
- 12.10 **Post cardiac arrest management**
C. Sandroni

*Lunch Break***AMBER HALL 5-6****MECHANICAL VENTILATION: AN UPDATE**

Chairpersons: A. Slutsky, J. Villar

- 9.30 **Noninvasive support in ARF**
G. Perkins
- 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. Russotto
- 10.50 **Discussion**

*Coffee Break and Exhibition Visit***11.30 - 12.30
ROUND TABLE
USE AND LIMITS OF 'ARDS'**

Moderators: J.J. Marini, M. Ranieri

Should we retire 'ARDS' or give it new clothes?
L. Bos, C. Calfee, J. Laffey, M. Matthay*Lunch Break***BROWN HALL 1****NEW TRENDS IN PEDIATRIC AND NEONATAL ICU**

Chairpersons: G. Conti, A. Moscatelli

- 9.30 **SARS-Cov2 infection in neonates**
D. De Luca
- 9.50 **COVID-19 and MIS-C in children**
A. Moscatelli
- 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 oscillatory 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 **Automatic oxygen control during ventilation: a new servo-assistance in neonates**
T. Goos
- 12.15 **Discussion**
- 12.30 *Lunch Break*

BROWN HALL 2**BACK TO PHYSIOLOGY - SEPSIS 1**

- 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

- 11.30 **Mitochondrial dysfunction in critically ill patients**
M. Singer
- 12.00 **PK/PD basic rules for antibiotic use in critically ill patients**
F. Pea
- 12.30 *Lunch Break*

AMBER HALL 7**TUTORIALS
BASIC PHYSIOLOGY**

- 9.30 **Gas exchange**
A. Pesenti
- 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**

- 11.30 **Setting and monitoring mechanical ventilation in the obstructive patient**
S. Grasso
- 12.00 **Setting and monitoring mechanical ventilation in the restrictive patient**
C.A. Volta
- 12.30 *Lunch Break*

AMBER HALL 1-2

12.45 - 14.15 LUNCH SESSION ALBUMIN

Chairpersons: P. Caironi, L. Gattinoni

Albumin and microcirculation
C. Behem

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

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 M. Leone

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

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, M. Singer

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 P. Caironi

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

17.30 Discussion

AMBER HALL 3-4

WHICH STUDY CHANGED YOUR PRACTICE IN THE LAST 10 YEARS

Which study changed your practice in... Anesthesia

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

16.30 Ventilatory assistance
R. Pearse

16.50 Delirium
R. Badenes

AMBER HALL 5-6

ARE WE AT A TURNING POINT WITH THE ADMINISTRATION OF ANESTHETIC DRUGS?

Chairpersons: L.N. Hannivoort, M. Struys

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 New drugs for new approaches
TBD

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
TBD

17.30 Brain trauma
A. Maas

17.50 Discussion

BROWN HALL 1

PEDIATRIC ANESTHESIA

14.30 Update on preoperative fasting
P. Frykholm

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 pediatric
A. Wolfler

17.30 Discussion

BROWN HALL 2

FRIDAY-NIGHT TROUBLESHOOTING IN METABOLIC DISTURBANCES

14.30 Accessing acid-base status
M. Malbrain

15.00 Assessing electrolyte disturbances
P. Caironi

15.30 Assessing metabolic demands
M. Singer

16.00 Break and Exhibition Visit

FRIDAY-NIGHT TROUBLESHOOTING IN HEMODYNAMICS

16.30 Assessing the venous function
A. Vieillard-Baron

17.00 Assessing the heart pump function
F. Guarracino

17.30 Assessing the arterial function
D. Payen

AMBER HALL 7

TUTORIALS RENAL FUNCTION

14.30 Renal physiology
and mechanisms of AKI
L.G. Forni

15.00 Management of oliguria
M. Ostermann

15.30 CRRT
S. De Rosa

16.00 Break and Exhibition Visit

TUTORIALS OPTIMIZING VENTILATION

16.30 Respiratory mechanics
J.J. Marini

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

DEBATE - JOURNALS
THE INTENSIVE CARE JOURNALS IN COVID-19 TSUNAMI. LESSON LEARNED
Moderators: J.J. Marini, P. Rocco

9.00 **AJRCCM**
L. Brochard

9.15 **CC**
J.L.Vincent

9.30 **ICM**
G. Citerio

9.45 **Lancet Resp Med**
E. Grainge

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: D. Brodie, A. Combes

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?
C. Karagiannidis, D. McAuley, A. Pesenti, V.M. Ranieri

11.00 *Coffee Break and Exhibition Visit*

AMBER HALL 5-6

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

9.00 **Antiviral treatments**
P. Pova

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*

BROWN HALL 1

CHALLENGES AND CONTROVERSIES IN CARDIOGENIC SHOCK MANAGEMENT
Moderators: M. Cecconi, A.M. Scandroglio

9.00 **All patients need an invasive monitoring!**
Pro: A. Sionis
Con: C. Vandenbriele

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

11.00 *Coffee Break and Exhibition Visit*

MECHANICAL CIRCULATORY SUPPORT: WHEN TO STEP UP AND WHEN TO STOP
Chairpersons: M. Quintel, S. Price

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

11.45 **Recognize the futility**
A. Sacco

12.00 **Recognize the indication**
A. Combes

12.15 **Discussion**

12.30 *Lunch Break*

BROWN HALL 2

BACK TO PHYSIOLOGY - PERIOPERATIVE MANAGEMENT 1

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

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

12.00 **Perioperative thermoregulation**
TBD

12.30 *Lunch Break*

AMBER HALL 7

TUTORIALS CIRCULATION

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

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**DEBATES WITH BALLOT - SEPSIS
SEPSIS: PERSONALIZED THERAPY IN ICU**

Moderators: R. Ferrer Roca, M. Leone

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 **Immunoglobulins for all:
yes/no/maybe**
A. Nierhaus
- 15.30 **Immunotherapies only
in randomized patients:
yes/no/maybe**
M. Shankar-Hari
- 15.45 **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**
G. Grasselli, 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**
M.G. Frigo, C. Nelson-Piercy

AMBER HALL 5-6**DEBATE- CARDIO
CARDIAC DYSFUNCTION IN COVID-19 :
FROM CLINICAL VIGNETTE TO EVI-
DENCE**

Moderators: A. Combes, A. Sionis

- 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?**
S. Price
- 15.15 **Discussion**

**INTERACTIVE CLINICAL CASES WITH
BALLOT - ORGAN DONATION**

Moderators: R. Badenes, G. Meyfroidt

- 16.30 **Managing heart- beating donor**
M. Sacchi
- 17.15 **Managing non- heart-beating donor**
M. Zanierato

BROWN HALL 1**DEBATE - MECHANICAL VENTILATION
MECHANICAL VENTILATION
AND BEYOND**

Moderators: D. Chiumello, J. Mancebo

- 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

BROWN HALL 2**FRIDAY-NIGHT TROUBLESHOOTING
IN VENTILATION**

- 14.30 **Assessing hypoxemia**
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**

- 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

AMBER HALL 7**TUTORIALS
NUTRITION AND FLUIDS**

- 14.30 **Energy requirements**
M. Berger
- 15.00 **Nutritional strategy in the critically ill**
C. Ichai
- 15.30 **Fluid and electrolytes balance**
P. Caironi

16.00 *Break and Exhibition Visit***TUTORIALS
ANESTHESIA 2**

- 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	AMBER HALL 3-4	AMBER HALL 5-6
PERIOPERATIVE MANAGEMENT Chairpersons: F. Rubulotta, C.M. Samama	RIGHT VENTRICULAR FAILURE Chairpersons: D. Pasero, S. Scolletta	ULTRASOUND IN ICU Chairpersons: B. Bouhemad, F. Mojoli
9.00 Role of intraoperative monitoring of consciousness, pain, mioreolution S. Romagnoli	9.00 Pathophysiology of RV failure P. Wouters	9.00 Basic Ultrasound "head to toes" skills for intensivists (consensus ESICM) C. Robba
9.20 Methods for preventing and managing post-operative respiratory complications P. Pelosi	9.20 Identifying RV failure F. Guarracino	9.20 Switching from qualitative to quantitative lung ultrasound S. Mongodi
9.40 Coagulation management in complicated patients C. Samama	9.40 Pharmacological approaches to right ventricular failure F. Sanfilippo	9.40 What's new in ultrasound guided mechanical ventilation (PEEP setting focal/non-focal, weaning...) B. Bouhemad
10.00 Awake anesthesia in thoracic surgery G.L. Rosboch	10.00 Mechanical ventilation strategies in patients with right ventricular failure F. Sangalli	10.00 Innovation in the ultrasound assessment of the diaphragm (tissue Doppler, prone patinet...) G. Cammarota
10.20 Ten rules for a successful robotic surgery F. Guarracino	10.20 Right ventricle and pulmonary hypertension G. Paternoster	10.20 Lung US in COVID-19: real life and expert recommendations L. Vetrugno
10.40 Discussion	10.40 Discussion	10.40 Discussion
11.00 <i>Coffee Break and Exhibition Visit</i>	11.00 <i>Coffee Break and Exhibition Visit</i>	11.00 <i>Coffee Break and Exhibition Visit</i>
11.30 - 12.30 DEBATE FLUID CHALLENGE: RISING THE LEGS OR ... Moderator: M. Cecconi Pro: J.L.Teboul Con: J.L. Vincent		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, lung homogeneity and PEEP settings T. Muters
		12.00 Transpulmonary pressure, stress and strain using EIT T. Mauri
		12.15 EIT and assessment of lung perfusion I. Frerichs
12.30 <i>Lunch Break</i>		12.30 <i>Lunch Break</i>

BROWN HALL 1	BROWN HALL 2	AMBER HALL 7
MANAGING BRAIN TRAUMA TODAY Chairpersons: G. Citerio, M. Oddo	FRIDAY-NIGHT TROUBLESHOOTING IN ANESTHESIA 1 Presenter: E. Bignami	TUTORIALS THE BRAIN
9.00 Is genetic information relevant? D. Menon	9.00 Managing unanticipated difficult intubation M. Sorbello	9.00 How to use brain EEG to titrate depth of anesthesia H. Amirfarzan
9.20 Biomarkers of injury: bedside utility S. Mondello	9.30 Managing hypoxemia A. Protti	9.30 Post resuscitation care after cardiac arrest C. Sandroni
9.40 Update in treating HICP G. Meyfroidt	10.00 Managing hypotension M. Pearse	10.00 Noninvasive monitoring of brain function: volumes, flow, metabolism C. Robba
10.00 Optimizing an holistic approach on extracranial complications E. Wiegiers	10.30 Managing bleeding M. Panigada	10.30 Invasive monitoring of the damaged brain M. Oddo
10.20 Discussion		
11.00 <i>Coffee Break and Exhibition Visit</i>	11.00 <i>Coffee Break and Exhibition Visit</i>	11.00 <i>Coffee Break and Exhibition Visit</i>
BACK TO PHYSIOLOGY - NEURO	FRIDAY-NIGHT TROUBLESHOOTING IN ANESTHESIA 2 Presenter: K. Donadello	TUTORIALS ICU CONUNDRUMS
11.30 Cerebral autoregulation at bedside F. Rasulo	11.30 Managing prolonged myorelaxation F. Piccioni	11.30 Sedation in ICU J.M. Constantin
12.00 The concept of ICP dose G. Meyfroidt	12.00 Managing oliguria S. De Rosa	12.00 Talking with families E. Azoulay
12.30 <i>Lunch Break</i>	12.30 <i>Lunch Break</i>	12.30 <i>Lunch Break</i>

AMBER HALL 1-2

**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**
E. Spinelli

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**
J. Mancebo

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

16.00 *Break and Exhibition Visit*

AMBER HALL 5-6

BICARBONATE

Chairpersons: L. Gattinoni, TBD

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 **Bicarbonate in kidney failure**
M. Ostermann

15.50 **Discussion**

16.00 *Break and Exhibition Visit*

ELECTROLYTES AND ACID-BASE

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**

BROWN HALL 1

**THERAPEUTIC TEMPERATURE
MANAGEMENT (TTM) AT A CROSSROAD**

14.30 **TTM: the biological effects**
E. Zanier

14.45 **TTM in postanoxic 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. Sonnevile

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

15.45 **Discussion**

16.00 *Break and Exhibition Visit*

**PRO-CON
HOT TOPICS IN NEURO**

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: M. Munari
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

AMBER HALL 7

**TUTORIALS
INFECTION**

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

15.00 **Pathophysiology and clinics
of sepsis and septic shock**
M. Girardis

15.30 **Optimal use of antibiotics in the ICU**
P. Viale

16.00 *Break and Exhibition Visit*

**TUTORIALS
ULTRASOUND**

16.30 **Lung ultrasound in the critically ill**
S. Mongodi

17.00 **Brain ultrasound in the critically ill**
F. Rasulo

GENERAL INFORMATION

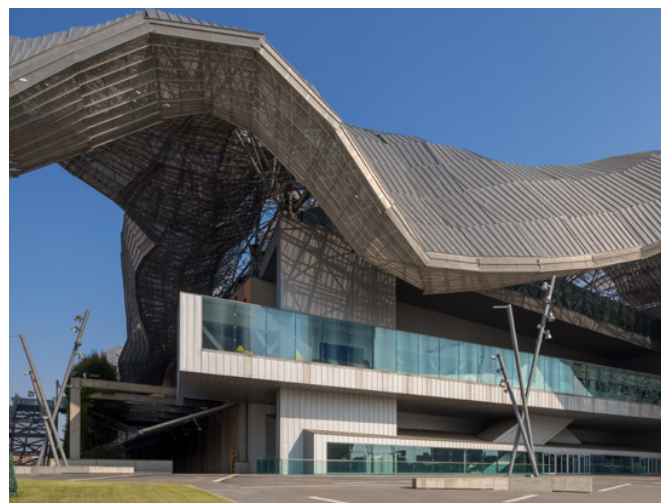
MEETING VENUE

MiCo - Milano Congressi South Wing

GATE 2 Entrance: Viale Eginardo - 20145 Milano

GATE 16 Entrance: Via Gattamelata - 20145 Milano

Website: www.micmilano.it



ORGANIZING SECRETARIAT

Start Promotion Srl

Via Mauro Macchi, 50 - 20124 Milano - Italy

Tel. +39 02 67071383 | Fax +39 02 67072294

Email: info@startpromotion.it | www.startpromotion.it

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 31.

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

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 centre 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 "AUTOSTRADE" 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-Abbiategrosso 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-Abbiategrosso 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.

OFFICIAL LANGUAGES

SMART MEETING

English, no simultaneous translation.

COMPLEMENTARY ACTIVITIES

English or Italian, no simultaneous translation.

SMART SIMULATION SESSIONS

English or Italian, no simultaneous translation.

ORAL PRESENTATIONS AND POSTERS

English, no simultaneous translation.

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

SECRETARIAT DESKS - LEVEL 1

- Cloakroom
- Pre-registered Residents & Students
- New registrations Residents & Students
- Sponsors Staff Registration
- Visitors registration

SECRETARIAT DESKS - LEVEL 2

- Pre-registered Doctors & Nurses
- New registrations Doctors & Nurses
- Faculty
- Sponsoring Companies
- Complementary Activities
- Info Point for Simulation Sessions

ABSTRACTS

Participants are invited to submit their scientific papers on anesthesia and/or intensive care topics as oral presentation or posters by completing the online procedure available at www.smartonweb.org and/or www.e-smart2022.org, and/or www.startpromotion.it (see details below).

Deadline for abstract submission: **March 16, 2022**

Please read the instructions below before submitting your abstract. Abstract submission is possible through the online procedure only. **Abstracts sent by fax or mail will not be accepted.** At least one of the Authors is required to be a registered participant to the 33rd Smart Meeting.

All abstracts received will be evaluated by the Scientific Board which will decide whether to accept them as oral presentations or posters (the Author's preference will be considered).

Poster/Oral presentations will be held in English. No simultaneous translation will be provided.

Contacts with Authors will be by email only. Please verify that your email address has been correctly typewritten during the registration procedure and don't forget to check your email account regularly.

ABSTRACT SUBMISSION GUIDELINES

Abstracts must be submitted by completing the online procedure available at www.smartonweb.org and/or www.e-smart2022.org, and/or www.startpromotion.it.

Please fill in all required entry fields and upload your file in PDF format (vertical PDF file, see details below).

After a correct submission, a confirmation message will be automatically sent to your email address. Please DON'T try to submit the same abstract more than once. Should you find errors after submission, please refer to the Organizing Secretariat (info@startpromotion.it).

Abstracts must comply with the following guidelines:

Abstract format: Vertical PDF file

Language: English

Topic: select the abstract topic among those listed in the drop-down menu.

Affiliations: fill in the requested fields.

Authors: fill in the requested fields, namely Title, Family Name, First Name, Email (mandatory for the Presenting Author), Mobile Number (mandatory for the Presenting Author), Twitter Profile (optional), Primary Affiliation, Secondary Affiliation (if any). Flag the Presenting Author by ticking the designated box. Enter Authors in the same order as that selected for print.

Consent Declaration: give your consent by ticking the boxes

Title: enter abstract title

Text (first draft): max 300 words + 1 image or 1 table (to be uploaded separately in the field below)

Presentation format: select Oral or Poster as per your preference

E-POSTER FORMAT

Posters will be displayed as e-posters on 46" touchscreen monitors located in the E-Poster corners. After confirmation of acceptance, Authors are requested to email their posters in PDF format including all figures and charts to the Organizing Secretariat for digital publishing.

ABSTRACT PUBLICATION

After the meeting, abstracts (pdf files) 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. All participants who present an abstract at the meeting, either as oral presentation or poster, are automatically eligible for the award. Selections will be based on the following two main criteria: quality and scientific relevance, originality of the research.

Award winners will be informed by email and formally invited to attend the Award Ceremony that will take place 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
Medical Doctors <i>ESICM Members</i>	€ 280	€ 336	€ 376
Medical Doctors <i>SIAARTI, AAROI, ESPNIC Members</i>	€ 300	€ 370	€ 400
Medical Doctors <i>Non Members</i>	€ 350	€ 420	€ 470
Doctors <i>from low and lower middle income countries §</i>	€ 200	€ 250	€ 300
Nurses *	€ 130	€ 160	€ 180
Residents/Students **	Free entrance (with mandatory pre-registration)		

Legal VAT is included

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.

ONLINE REGISTRATION

Both registration 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 a hotel reservation, please specify the name of the hotel.
- **Credit Card** (Visa, Mastercard, Maestro, Moneta)

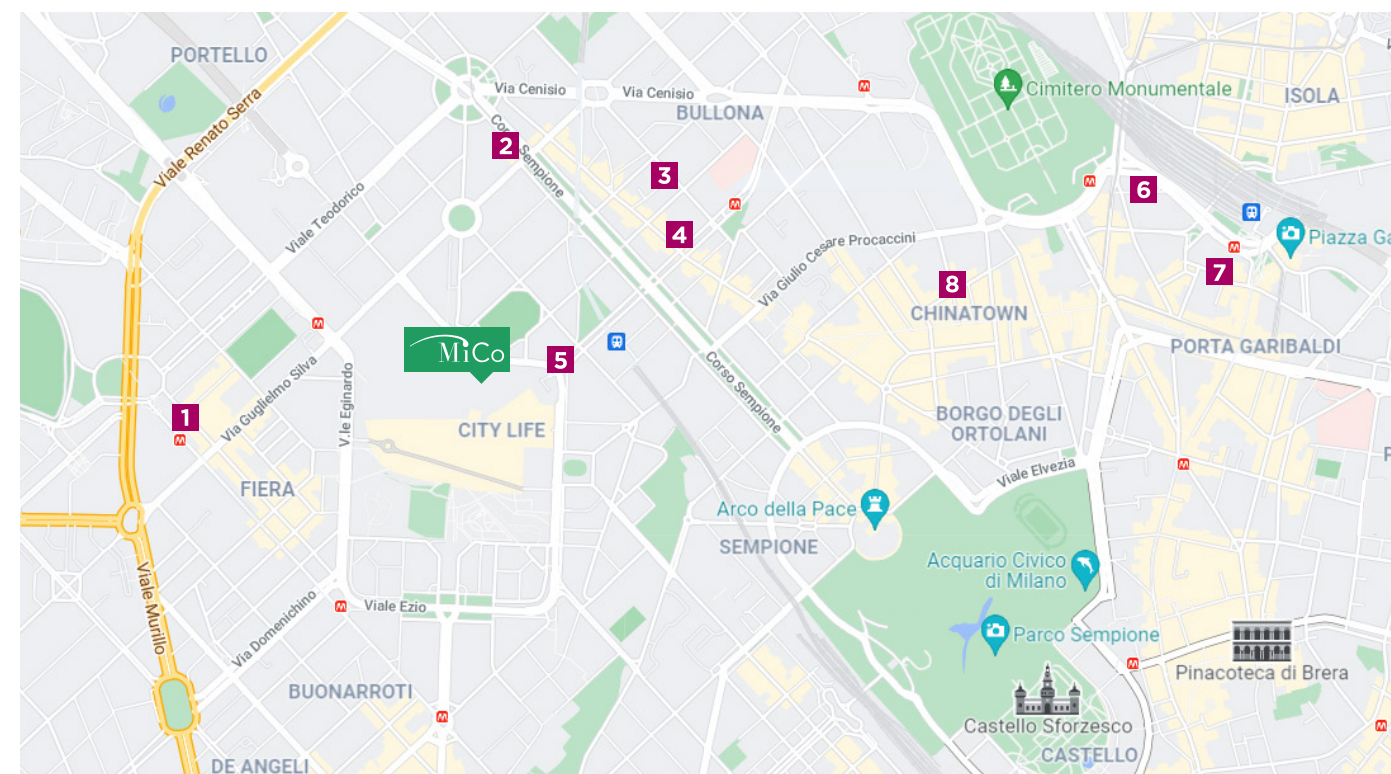
- § The list of low and lower middle income countries is available at **www.smartonweb.org**
- * Pre-registration should be submitted online at **www.smartonweb.org** or **www.e-smart2022.org** or **www.startpromotion.it**. During the pre-registration procedure, Nurses will be required to upload a document proving their status. The congress bag is guaranteed only to pre-registered participants.
- ** 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 kit.

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.



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 Standard	€ 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 Superior	€ 165.00	Minimum Stay 3 nights
Double Room Superior	€ 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

§ DUS Room: Double Room Single Use

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 ^s 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	<i>Minimum Stay 2 nights</i>
Double Room	€ 219.00	<i>Minimum Stay 2 nights</i>

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 ambience. 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	<i>Minimum Stay 2 nights</i>
Double Room	€ 239.00	<i>Minimum Stay 2 nights</i>

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^s	€ 165.00	<i>Minimum Stay 2 nights</i>
Double Room	€ 175.00	<i>Minimum Stay 2 nights</i>

§ 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

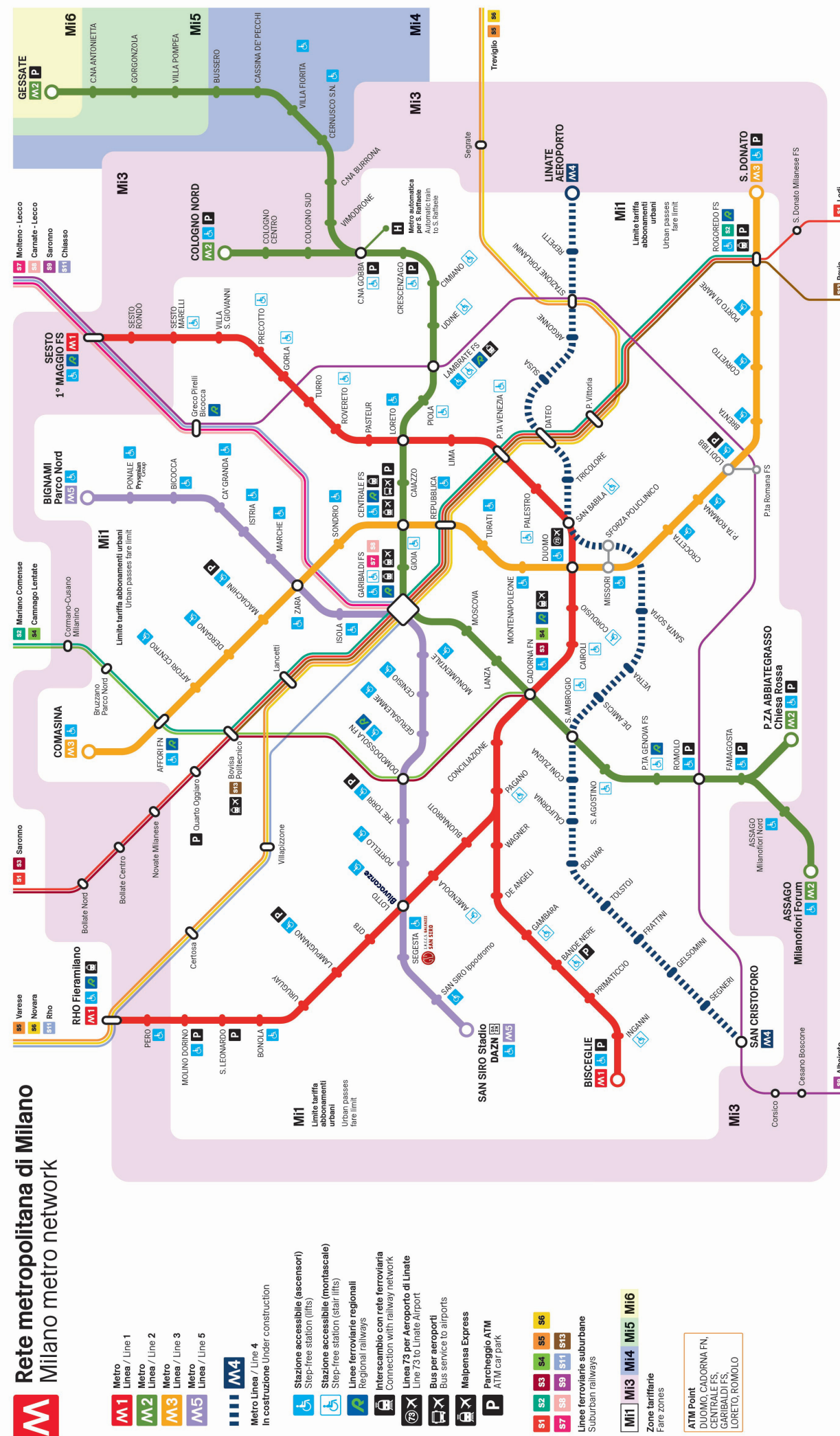
1-star hotels € 2

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.





33 smart

Smart Meeting Anesthesia
Resuscitation Intensive Care

www.smartonweb.org

www.e-smart2022.org



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