



# 35° SMART

Smart Meeting Anesthesia  
Resuscitation inTensive Care



**Milan | May 29-31, 2024**

Allianz MiCo - North Wing

**PROGRAM**



# 35' Smart

Smart Meeting Anesthesia  
Resuscitation inTensive Care

ENDORSED BY



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Dear colleague,

On behalf of the Organising Committee, we would like to thank you for attending the 2024 edition of the SMART meeting, and we look forward to seeing you in Milan.

As in the latest editions, 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!

### **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 10/15 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, personal experience or beliefs. The chairperson 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.*

### **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.*

### **Session with Ballot & Prize**

*This session is designed to explore the advantages, disadvantages, and uncertainties surrounding a specific topic, encouraging audience interaction. Each speaker will present multiple-choice questions for which you'll be invited to provide answers using a voting system. The participant with the highest score (based on correctness and speed) will receive a complimentary pass to the 2025 SMART Meeting.*

### **Friday-Night & Monday Morning**

*These are very practical sessions meant to present how the speaker would go about addressing a specific clinical issue on an hypothetical 'Friday night admission and Monday morning clinical round with the ICU chief'. Emphasis is given to cases and practical advice, including what to 'watch out'.*

### **Online Session**

*This session has the same architecture as the classical sessions with the only difference that speakers are connected remotely. The chairperson is physically present in the meeting hall facilitating interaction and discussion with the audience.*

# SCIENTIFIC PROGRAM

**RED HALL 1**

**SETTING PEEP IN ARDS**  
Chairpersons: A. Pesenti, M. Quintel

- 9.30 **PRELUDE**  
The PEEP story  
A. Pesenti
- 9.50 **Lessons from ARDS trials**  
J.L. Vincent
- 10.10 **PEEP titration in ARDS: which approach**  
O. Moerer
- 10.30 **PEEP and lung mechanics**  
L. Brochard
- 10.50 **Discussion**
- 11.00 *Break and Exhibition Visit*

**RECRUITMENT**  
Chairpersons: L. Berra, S.M. Maggiore

- 11.30 **Lung recruitment: imaging vs. gas methods. Different information?**  
D. Chiumello
- 11.50 **Recruitment: physiology at the bedside**  
T. Mauri
- 12.10 **Keeping the lung unrecruited: is it really dangerous?**  
L. Ball
- 12.30 *Lunch Break*

**RED HALL 2**

**AIRWAY MANAGEMENT**  
*In collaboration with EAMS*  
Chairpersons: R. Cataldo, R. Greif

- 9.30 **PRELUDE**  
Difficult airway: does it still exist?  
R. Greif
- 9.50 **Strategy for the difficult-to-intubate patient**  
M. Sorbello
- 10.10 **Awake intubation: just for the braves... or normal anesthesiologist skill?**  
G. Cortese
- 10.30 **Airway management in obese patients**  
V. Russotto
- 10.50 **Discussion**
- 11.00 *Break and Exhibition Visit*

11.30-12.30  
**PRO-CON DEBATE**  
**VIDEOLARYNGOSCOPY**  
Chairpersons: G. Bellani, V. Russotto

- PRO  
S. Jaber
- CON  
E. Rezoagli
- 12.30 *Lunch Break*

**BLUE HALL 1**

**EMERGING INFECTIONS AND CRITICAL CARE SETTING**  
Chairpersons: G. Montrucchio, D. Payen

- 9.30 **PRELUDE**  
The physiology of host defense during infection  
D. Payen
- 9.50 **Emerging infections - traveling, migration, climate change, new pathogens**  
G. Ippolito
- 10.10 **Infection control and nosocomial infection**  
P. Povo
- 10.30 **Biomarker-based infection management**  
Z. Molnar
- 10.50 **Discussion**
- 11.00 *Break and Exhibition Visit*

**PREVENTING SITE INFECTION**  
Chairpersons: A. Bandera, I. Martin-Loeches

- 11.30 **Timing/redosing/special populations in antibiotic prophylaxis**  
F. Pea
- 11.50 **Selective digestive decontamination**  
J. De Waele
- 12.10 **Role of microbiome in ICU-acquired infections**  
A. Conway Morris
- 12.30 *Lunch Break*

**BLUE HALL 2**

**TUTORIALS**  
**BASIC CARDIOVASCULAR PHYSIOLOGY**  
Presenter: P. Caironi

- 9.30 **Oxygen transport, delivery and consumption**  
L. Gattinoni
- 10.00 **Cardiocirculatory physiology**  
J.L. Teboul
- 10.30 **Respiratory physiology**  
S.M. Maggiore
- 11.00 *Break and Exhibition Visit*

**TUTORIALS**  
**RENAL AND NEUROPHYSIOLOGY**  
Presenter: G. Bottari

- 11.30 **Central nervous system physiology**  
G. Citerio
- 12.00 **Basic renal physiology**  
S. De Rosa
- 12.30 *Lunch Break*

**YELLOW HALL 1**

11.30 - 13.00  
**Riunione**  
**Gruppo di Studio**  
**ALBIOSS-BALANCED**

**YELLOW HALL 2**

**NEW APPROACHES TO GENERAL ANESTHESIA**  
Chairpersons: C. Oliveira, S. Piva

- 9.30 **Opioid sparing anesthesia: is it worth it?**  
M. Carron
- 9.50 **Locoregional analgesia in postoperative pain management**  
M. Rispoli
- 10.10 **One-lung ventilation for a non-thoracic anesthesiologist: how to survive?**  
G.L. Rosboch
- 10.30 **Going toward a sustainable anesthesia**  
C. Oliveira
- 10.50 **Discussion**
- 11.00 *Break and Exhibition Visit*

**POINT-OF-CARE ULTRASOUND (POCUS) IN NEONATES AND CHILDREN**  
*In collaboration with ESPNIC*  
Chairpersons: G. Conti, D. De Luca

- 11.30 **POCUS in NICU**  
D. De Luca
- 11.50 **POCUS in PICU**  
T. Conlon
- 12.10 **POCUS in OR for neonates and children**  
A. Camporesi
- 12.30 *Lunch Break*

**YELLOW HALL 3**

**THORACIC ANESTHESIA**  
Chairpersons: A. Pedoto, M. Senturk

- 9.30 **PRELUDE**  
Pathophysiological principles of thoracic anesthesia  
A. Pedoto
- 9.50 **Fluids and thoracic surgery: friends or foes?**  
G.L. Rosboch
- 10.10 **Hemodynamic monitoring and management in thoracic surgery**  
F. Piccioni
- 10.30 **Right ventricular failure and thoracic surgery: new insights**  
F. Nisi
- 10.50 **Discussion**
- 11.00 *Break and Exhibition Visit*

**MEDICINE, SOCIETY AND THE LAW**  
Chairpersons: E.G. Bignami, L. Brazzi

- 11.30 **Legal implications of guideline adherence and deviation**  
R. Zoia
- 11.50 **Social media, medical care and the law**  
E.G. Bignami
- 12.10 **Do we need practice guidelines?**  
S. De Hert
- 12.30 *Lunch Break*

RED HALL 1

12.45 - 14.15  
**LUNCH SESSION**  
**EXTRACORPOREAL ORGAN SUPPORT**  
**IN CRITICALLY ILL PATIENTS**

Supported by ESTOR  
Chairpersons: F. Corradi, S. De Rosa

Sepsis-Associated AKI (SA-AKI): definition, management and role of extracorporeal sequential therapies  
G. Catellano

Endotoxic (septic) shock and Polymyxin B hemoabsorption: where we are and when to consider it  
R. Ferrer Roca

Lung support and ECCO2R: why and when  
D. Hofmaenner

Discussion

**PEEP BEYOND THE LUNG**

Chairpersons: S. Grasso, O. Moerer

14.30 Effects of PEEP on the brain  
C. Robba

14.50 PEEP and kidney function  
L.G. Forni

15.10 Cardiovascular implications  
S. Gattarello

15.30 PEEP and diaphragmatic function  
L. Heunks

15.50 Discussion

16.00 Break and Exhibition Visit

**POSITIONING IN ARDS**

Chairpersons: L. Brochard, E. Rezoagli

16.30 Prone positioning rationale  
L. Brochard

16.50 Prone positioning in the awake patient  
D.L. Grieco

17.10 Prone position and lung protection timing and duration  
G. Foti

17.30 Prone position during ECMO  
M. Schmidt

17.50 Discussion

RED HALL 2

**ELECTROLYTES AND ACID-BASE DISORDERS, ANOTHER STEP AHEAD**

Chairpersons: F. Duska, L. Gattinoni

14.30 Volumes and acid-base homeostasis: a comprehensive view  
F. Duska

14.45 Sodium, Chloride and Ammonium: the three musketeers  
T. Langer

15.00 Urinary electrolytes: clinical importance  
P. Caironi

15.15 Continuous renal replacement therapy and electrolytes disorders  
F. Zadek

15.30 Renal compensation of acid-base disorders: how mechanical ventilation affects it  
T. Pozzi

15.45 Stewart approach for everybody: how I do it  
N. Van Regenmortel

16.00 Break and Exhibition Visit

**ARTIFICIAL INTELLIGENCE: MYTH, ILLUSION, OR A USEFUL TOOL?**

Chairpersons: S. De Hert, J. Laffey

16.30 How to become an AI researcher?  
V. Bellini

16.50 Predictive artificial intelligence: the journey from models to clinical implementation  
G. Meyfroidt

17.10 Bias and artificial intelligence: an underestimated risk  
M. Van Genderen

17.30 Large language models in intensive care: chatGPT at the bedside?  
J. Laffey

17.50 Discussion

BLUE HALL 1

12.45 - 14.15  
**LUNCH SESSION**  
**VASOPLEGIC SHOCK:**  
**CARDIOVASCULAR MANAGEMENT**

With the non-conditioning support of VIATRIS

Chairpersons: J.L. Teboul, J.L. Vincent

The pathophysiology of refractory shock  
M. Leone

Vasopressor: are they all similar?  
M. Girardis

Guidelines and protocols  
K. Donadello

Discussion

**HOW TO AVOID AND MANAGE VAP IN 2024**

Chairpersons: M. Antonelli, G. Montrucchio

14.30 Prevention: selective digestive decontamination and beyond  
J. De Waele

14.50 Make diagnosis easier  
I. Martin-Loeches

15.10 Microbiological diagnosis and therapy  
R. Ferrer Roca

15.30 How to treat a patient not responding to antibiotic therapy  
P. Povo

15.50 Discussion

16.00 Break and Exhibition Visit

**IMPLEMENTING ANTIMICROBIAL STEWARDSHIP IN ICU: THEORIES AND FACTS**

Chairpersons: G. De Pascale, P. Povo

16.30 Rules of engagement  
A. Conway Morris

16.50 Diagnosis is the key  
A. Bandera

17.10 Opportunity from new antibiotics  
P. Viale

17.30 Infection control and antimicrobial stewardship: win-win strategy  
S. Casolari

17.50 Discussion

BLUE HALL 2

**TUTORIALS**  
**BASIC**  
**CARDIORESPIRATORY**  
**MONITORING**

Presenter: V. Russotto

14.30 How to monitor hemodynamics at the bedside  
M. Giani

15.00 How to monitor respiratory mechanics at the bedside  
F. Collino

15.30 How to monitor cardiac function at the bedside  
G. Tavazzi

16.00 Break and Exhibition Visit

**TUTORIALS**  
**ADVANCED ANESTHESIA**  
**MANAGEMENT**

Presenter: S. Piva

16.30 Mechanical ventilation during general anesthesia  
T. Tonetti

17.00 The obese patient  
L. Berra

17.30 Ventilatory management in thoracic surgery  
A. Pedoto

YELLOW HALL 1

**MANCANO GLI ANESTESISTI: TROVIAMO LE SOLUZIONI**

Chairpersons: R. Fumagalli, A. Pezzi

14.30 Standard del personale sanitario: la proposta AGENAS  
F. Enrichens

14.50 Cosa ne pensano i Primari Lombardi  
G. Foti

15.10 **TAVOLA ROTONDA**  
G. Bertolaso  
Regione Lombardia,  
F. Enrichens AGENAS,  
L. Guatteri Osp. Desio,  
A. Vergallo AARO I

Con l'intervento Considerazioni e proposte di Regione Lombardia a cura di G. Bertolaso, Assessore al Welfare Regione Lombardia

Language: Italian only.  
No translation provided.

16.00 Break and Exhibition Visit

**PRO-CON DEBATE**  
**THORACIC ANESTHESIA:**  
**NEW 2024 INSIGHTS**

Chairperson: F. Piccioni

16.30 Introduction  
F. Piccioni

16.40 Thoracic Epidural Analgesia vs rest of the world  
PRO TEA: A. Pedoto  
PRO Others: A. Tognù

17.10 Bronchial Blockers vs Double Lumen Tube: the neverending contest  
PRO BB: M. Senturk  
PRO DLT: G. L. Rosboch

17.40 Discussion

YELLOW HALL 2

**NEW TRENDS IN PEDIATRIC ANESTHESIA**

In collaboration with S.A.R.N.e P.I.

Chairpersons: N. Disma, F. Sbaraglia

14.30 New approaches to airway management  
N. Disma

14.50 Relieve child's anxiety: what's new?  
R. Garra

15.10 From literature to practice: 12 statements on analgesation in radiologic procedures  
A. Amigoni

15.30 Preoperative optimization: how to bring our children to surgical field  
F. Sbaraglia

15.50 Discussion

16.00 Break and Exhibition Visit

**HOT TOPICS IN PEDIATRIC ICU**

In collaboration with S.A.R.N.e P.I.

Chairpersons: G. Conti, A. Moscatelli

16.30 Optimizing patient-ventilator interaction in PICU  
F. Chiusolo

16.50 Hemophagocytosis in PICU  
M. Piastra

17.10 Acute kidney injury in children  
Z. Ricci

17.30 Discussion

YELLOW HALL 3

**COMPLEX PATIENTS IN NON-CARDIAC SCENARIOS**

In collaboration with ITACTAIC

Chairpersons: V. Ajello, J.L. Teboul

14.30 **PRELUDE**  
New ESAIC guidelines for cardiac patient in non-cardiac surgery  
S. De Hert

14.50 Perioperative management of dual antiplatelet therapy (DAPT) and direct-acting oral anticoagulants (DOACs)  
M. Ranucci

15.10 - 16.00  
**PRO-CON DEBATE**  
**LOCOREGIONAL ANALGESIA IN THE CARDIAC PATIENT**

In collaboration with ITACTAIC

Chairpersons: F. Sanfilippo, S. Silveti

PRO: Locoregional techniques should be used in all cardiac patients  
G. Sepolvere

CON: Multimodal analgesia can be implemented without peripheral blocks in cardiac patients  
F. Sanfilippo

16.00 Break and Exhibition Visit

**PERIOPERATIVE MEDICINE AND THE OBESE PATIENT**

Chairpersons: G. Cortese, S. Jaber

16.30 Preoperative screening for obstructive sleep apnea syndrome and its implications  
R. Monzani

16.50 The challenges of regional anesthesia in the very obese patient  
M. Carron

17.10 Obese management in non-bariatric anesthesia  
G. Cortese

17.30 How to set the ventilator  
L. Berra

17.50 Discussion

**RED HALL 1**

**MECHANICAL VENTILATION IN SPECIAL GROUPS**

Chairpersons: D. Chiumello, J.J. Marini

- 9.00 **PRELUDE**  
Mechanical Ventilation: common basis and possible variations  
J.J. Marini
- 9.20 **Brain injury**  
C. Robba
- 9.40 **COPD**  
C.A. Volta
- 10.00 **Morbid obesity**  
S. Jaber
- 10.20 **Severe asthma**  
V.M. Ranieri
- 10.40 **Discussion**

11.00 *Break and Exhibition Visit*

**LUNG PROTECTIVE VENTILATION AND VILI**

Chairpersons: S. Grasso, V.M. Ranieri

- 11.30 **Protective ventilation: targets and thresholds**  
A. Slutsky
- 11.50 **Driving pressure: meaning and limitations**  
J.J. Marini
- 12.10 **Prone position and lung protection: timing and duration**  
L. Camporota
- 12.30 **Lunch Break**

**RED HALL 2**

**LEFT VENTRICULAR FAILURE**

*In collaboration with ITACTAIC*

Chairpersons: C. Patvardhan, C. Santonocito

- 9.00 **Pathophysiology of left ventricular failure**  
F. Guarracino
- 9.20 **Left ventricular failure with preserved systolic function**  
C. Patvardhan
- 9.40 **Pharmacological approaches to left ventricular failure**  
G. Tavazzi
- 10.00 **Short-term mechanical support of the failing left ventricle**  
F. Sangalli
- 10.20 **Long-term strategies for left ventricular failure**  
N. Marczin
- 10.40 **Discussion**

11.00 *Break and Exhibition Visit*

**NASAL HIGH FLOW: NEW FINDINGS AND APPLICATIONS**

*Supported by Fisher & Paykel Healthcare*

Chairpersons: M. Antonelli, G. Grasselli

- 11.30 **Role of the interface in the efficacy of High Flow Nasal Cannula**  
L. Brochard
- 11.50 **NHF: known and potential mechanisms of action**  
S. Jaber
- 12.10 **NHF in sedation: safety and efficacy**  
S. Romagnoli

12.30 **Lunch Break**

**BLUE HALL 1**

**FLUID AND VASOPRESSORS IN SEPTIC SHOCK**

Chairpersons: P. Caironi, M. Singer

- 9.00 **PRELUDE**  
Metabolic shutdown in septic shock  
M. Singer
- 9.20 **Effects of fluid therapy on microcalyx**  
A. Donati
- 9.40 **Early or late vasopressors?**  
M. Cecconi
- 10.00 **How to spare catecholamines**  
M. Leone
- 10.20 **Beta blockers in sepsis**  
Z. Molnar
- 10.40 **Discussion**

11.00 *Break and Exhibition Visit*

**MYOCARDIAL DYSFUNCTION IN SEPSIS**

Chairpersons: A. Sacco, G. Tavazzi

- 11.30 **Pathophysiology is crucial**  
M. Singer
- 11.50 **Echo dynamic at the bedside**  
F. Guarracino
- 12.10 **When and which inotrope**  
K. Donadello
- 12.30 **Lunch Break**

**BLUE HALL 2**

**TUTORIALS INITIAL APPROACH TO ACUTE NEUROLOGICAL DISORDERS**

Presenter: V. Newcombe

- 9.00 **How to early manage traumatic brain injury in 20 minutes**  
G. Meyfroidt
- 9.30 **How to early manage subarachnoid hemorrhage in 20 minutes**  
G. Citerio
- 10.00 **How to early manage ischemic stroke in 20 minutes**  
R. Helbok
- 10.30 **How to early manage seizures and status epilepticus in 20 minutes**  
F.S. Taccone

11.00 *Break and Exhibition Visit*

**TUTORIALS FEEDING THE CRITICALLY ILL PATIENT**

Presenter: M. Umbrello

- 11.30 **How to evaluate energy requirements**  
F. Collino
- 12.00 **How to feed the critically ill**  
M. Umbrello
- 12.30 **Lunch Break**

**YELLOW HALL 1**

**DISCUSSION WITH EXPERTS. COAGULATION**

Chairperson: N. Juffermans

- 9.00 **PRELUDE**  
Real life assessment of blood clotting  
M. Ranucci
- 9.20 **How to use fresh frozen plasma**  
M. Panigada
- 9.40 **How to use tranexamic acid**  
G. Monti
- 10.00 **How to use fibrinogen**  
N. Nielsen
- 10.20 **How to use Prothrombin Complex Concentrates**  
V. Agostini
- 10.40 **Discussion**

11.00 *Break and Exhibition Visit*

**WHEN COAGULATION IS THE PROBLEM**

Chairpersons: V. Agostini, M. Panigada

- 11.30 **Severe bleeding in trauma**  
J.L. Vincent
- 11.50 **Coagulation in sepsis**  
N. Nielsen
- 12.10 **DIC management**  
N. Juffermans
- 12.30 **Lunch Break**

**YELLOW HALL 2**

**POSTOPERATIVE DELIRIUM**

Chairpersons: C. Aldecoa, M. Carron

- 9.00 **PRELUDE**  
Postoperative delirium: "a modern outcome to consider"  
S. Romagnoli
- 9.20 **Diagnosis, incidence, and consequences**  
A. Mueller
- 9.40 **How to prevent it**  
P. Pandin
- 10.00 **How to treat it**  
C. Aldecoa
- 10.20 **Artificial Intelligence: the Good, the Bad, and the (potentially VERY) Ugly**  
A. Slutsky
- 10.40 **Discussion**

11.00 *Break and Exhibition Visit*

**PERIOPERATIVE MEDICINE AND PERSONALIZED CARE**

Chairpersons: H. Amirfarzan, F. Michard

- 11.30 **Preoperative optimization: physical, mental and nutritional status**  
G. Baldini
- 11.50 **Personalized anesthesia: fluids, hypnotics, analgesics and muscle relaxants**  
H. Amirfarzan
- 12.10 **Personalized perioperative analgesia**  
K. Meissner
- 12.30 **Lunch Break**

**YELLOW HALL 3**

**ACUTE KIDNEY INJURY IN PERIOPERATIVE CARE AND ICU**

Chairpersons: G. Bottari, F. Zadek

- 9.00 **Creatinine and urine output have limits: how to diagnose renal failure in critically ill patients**  
Z. Ricci
- 9.20 **Contrast-induced and contrast-associated AKI: should I be scared?**  
C. Ronco
- 9.40 **Prevention and management of perioperative AKI**  
L.G. Forni

10.00 - 10.30

**LECTIO MAGISTRALIS**

Chairperson: M. Quintel

**My scientific journey through Blood Glucose Control in the ICU**  
G. Van den Berghe

11.00 *Break and Exhibition Visit*

**FRIDAY NIGHT ADMISSION & MONDAY MORNING CLINICAL ROUND (WITH THE ICU CHIEF!)**

Chairperson: R. Sonnevile

- 11.30 **Patient with acute myocarditis and cardiogenic shock**  
*Friday night admission:*  
A. Messina  
*Monday morning round with:*  
F. Sangalli
- 12.00 **Patient with AKI due to rhabdomyolysis/intoxication**  
*Friday night admission:*  
S. De Rosa  
*Monday morning round with:*  
L.G. Forni
- 12.30 **Lunch Break**



**RED HALL 1**

13.00 - 14.00  
**LUNCH SESSION**  
**PERIOPERATIVE HYPERTENSION**  
**IN CRITICALLY ILL PATIENTS:**  
**THE STATE OF THE ART**

Supported by **CHIESI ITALIA**  
Chairpersons: F.L. Lorini, G. Paternoster

Understanding perioperative hypertension: mechanisms and assessment  
C. Santonocito

Blood pressure management and organ protection  
M.G. Mondino

Pharmacological interventions in perioperative hypertension  
I. Valeri

Discussion

**ARDS FUNCTIONAL IMAGING**

Chairpersons: G. Bellani, J. Laffey

14.30 **Electrical Impedance Tomography**  
T. Mauri

14.50 **Ultrasound**  
S. Mongodi

15.10 **Computerized Tomography**  
D. Chiumello

15.30 **Dual Energy Computed Tomography**  
L. Ball

15.50 **Discussion**

16.00 *Break and Exhibition Visit*

**PHARMACOLOGICAL THERAPIES**  
**IN ARDS**

Chairpersons: L. Ball, G. Van den Berghe

16.30 **What is the role of steroids in ARDS**  
G. Grasselli

16.50 **Cell therapies in ARDS**  
J. Laffey

17.10 **Personalized drug therapy of ARDS**  
V.M. Ranieri

17.30 **Nutrition**  
M. Umbrello

17.50 **Discussion**

**RED HALL 2**

**EXTRACORPOREAL SUPPORT**  
**FOR RESPIRATORY FAILURE**

Chairpersons: V.M. Ranieri, A. Slutsky

14.30 **Patient selection in VV-ECMO**  
G. Foti

14.50 **VV-ECMO: should age and BMI be a barrier?**  
G. Grasselli

15.10 **VV-ECMO and hematological malignancies**  
M. Schmidt

15.30 **What next for ECCO2R?**  
L. Gattinoni

15.50 **Discussion**

16.00 *Break and Exhibition Visit*

**BASIC PHYSIOLOGY**

Chairpersons: S. Coppola, M. Giani

16.30 **Gas exchange during VV-ECMO**  
A. Zanella

16.50 **Please explain mechanical power**  
F. Collino

17.10 **Measuring driving pressure in controlled and assisted ventilation**  
G. Bellani

17.30 **Weaning criteria**  
O. Roca

17.50 **Discussion**

**BLUE HALL 1**

12.45 - 14.15  
**LUNCH SESSION**  
**MULTIORGAN SUPPORT:**  
**THE ADVOS SYSTEM**

Supported by **ADVITOS**  
Chairperson: M. Quintel

The **ADVOS** multi-therapeutic system  
O. Boenisch

Opportunities of a multiorgan support system  
L. Gattinoni

The **ADVOS** multiorgan support system in cardiosurgery patients  
B. Panholzer

Discussion

**SEPSIS AT THE BEDSIDE**

*Ballot with Prize*

Chairpersons: M. Cecconi, D. Payen

14.30 **PRELUDE**  
**Inflammation in the critically ill**  
D. Payen

14.50 **Blood purification in peritonitis**  
M. Girardis

15.10 **Steroids in pneumonia**  
I. Martin-Loeches

15.30 **Endothelial protection in sepsis by hemoadsorption**  
Z. Molnar

15.50 **New treatments in immune paralysis**  
G. De Pascale

16.00 *Break and Exhibition Visit*

**ACID-BASE EQUILIBRIUM**

Chairpersons: T. Pozzi, N. Van Regenmortel

16.30 **pH: what does it really mean?**  
F. Duska

16.50 **The Boston rule, limits/merits**  
T. Langer

17.10 **Base excess vs. strong ion difference**  
L. Giosa

17.30 **Lactate, friend or foe**  
L. Gattinoni

17.50 **Discussion**

**BLUE HALL 2**

**TUTORIALS**  
**ADVANCED RESPIRATORY**  
**SUPPORT MANAGEMENT**

Presenter: S. Brusatori

14.30 **How to set and monitor the ventilation for the difficult-to-ventilate patient**  
S. Grasso

15.00 **How to insert an esophageal balloon**  
S. Coppola

15.30 **How to manage dyspnea**  
M. Giani

16.00 *Break and Exhibition Visit*

**TUTORIALS**  
**OPTIMIZING ICU SUPPORT**  
**TECHNIQUES**

Presenter: S. Busani

16.30 **How to start CRRT in ICU**  
F. Zadek

17.00 **How to set CPAP and high flow nasal cannula**  
A. Cortegiani

17.30 **How to read an ABG**  
T. Langer

**YELLOW HALL 1**

**BASIC PHYSIOLOGY**  
**RESPIRATORY**

Chairpersons: A. Pesenti, K. Vaporidi

14.30 **PRELUDE**  
**Gas exchange**  
A. Pesenti

14.50 **Bedside respiratory mechanics**  
L. Heunks

15.10 **Esophageal pressure: basic tips and tricks**  
D.L. Grieco

15.30 **Heart-lung interaction**  
M. Busana

15.50 **Discussion**

16.00 *Break and Exhibition Visit*

**DYSPNEA IN MECHANICALLY**  
**VENTILATED PATIENTS**

Chairpersons: S. Bambi, G. Grasselli

16.30 **Mechanisms of breathlessness in ventilated patients**  
M. Antonelli

16.50 **Respiratory drive in critically ill patients**  
K. Vaporidi

17.10 **Which interventions work**  
L. Camporota

17.30 **Putting all together: results from the dyspnea taskforce**  
L. Heunks

17.50 **Discussion**

**YELLOW HALL 2**

**ADVANCED PERSONALIZED**  
**MANAGEMENT OF**  
**ANESTHESIA AND**  
**INTENSIVE CARE:**  
**AN ACHIEVABLE GOAL?**

Chairpersons: L. Brazzi, S. Romagnoli

14.30 **Is pEEG monitoring mandatory in OR and ICU?**  
S. Romagnoli

14.50 **How to read and learn from raw EEG traces**  
D. Martino

15.10 **How can Density Spectral Array support anesthetic practice?**  
A. Dotto

*A Smoothie Bag will be offered to participants*

16.00 *Break and Exhibition Visit*

**NEUROINTENSIVE INSIGHTS:**  
**THE LAST AND THE NEXT 50**  
**YEARS**

Chairpersons: A. Caricato, V. Newcombe

16.30 **Major changes in neurocritical care in the last 50 years**  
G. Citerio

16.50 **The unanswered question at the bedside**  
C. Robba

17.10 **Biomarkers, genetics, monitoring, imaging ... any real utility**  
V. Newcombe

17.30 **Artificial intelligence and decision support tools: the potential answer?**  
G. Meyfroidt

17.50 **Discussion**

**YELLOW HALL 3**

**FRIDAY NIGHT ADMISSION &**  
**MONDAY MORNING**  
**CLINICAL ROUND**  
**(WITH THE ICU CHIEF!)**

Chairperson: M. Van der Jagt

14.30 **Patient with severe TBI with ARDS and AKI**

*Friday night admission:*  
A. Caricato

*Monday morning round with*  
G. Meyfroidt

15.00 **Patient with cardiac failure after subarachnoid hemorrhage**

*Friday night admission:*  
C. Robba

*Monday morning round with*  
F.S. Taccone

15.30 **Shocked patient with metformin intoxication**

*Friday night admission*  
S. Busani

*Monday morning round with*  
C. Ichai

16.00 *Break and Exhibition Visit*

**FRIDAY NIGHT ADMISSION &**  
**MONDAY MORNING**  
**CLINICAL ROUND**  
**(WITH THE ICU CHIEF!)**

Chairperson: C. Ichai

16.30 **Patient with severe hypoxemia**

*Friday night admission:*  
M. Busana

*Monday morning round with*  
G. Foti

17.00 **Patient with severe acidemia**

*Friday night admission:*  
S. Brusatori

*Monday morning round with*  
F. Duska

17.30 **Patient with severe COPD**

*Friday night admission:*  
S. Gattarello

*Monday morning round with*  
C.A. Volta

**RED HALL 1**

**TOP THREE PAPERS ON**

Chairpersons: H. Amirfarzan, A. Pedoto

- 9.00 **Regional anesthesia**  
A. Tognù
- 9.20 **Perioperative outcomes**  
G. Monti
- 9.40 **Anesthesia in non-cardiac surgery**  
E.G. Bignami

**VASOPLEGIA IN THE PERIOPERATIVE PERIOD**

*In collaboration with ITACTAIC*

Chairpersons: V. Ajello, F. Sangalli

- 10.00 **Pathophysiology, diagnosis and hemodynamic monitoring**  
F. Guarracino
- 10.20 **Vasoplegia in the cardiac patient**  
G. Paternoster
- 10.40 **Vasoplegia in the septic patient**  
K. Donadello

11.00 *Break and Exhibition Visit*

**TRAUMA**

Chairpersons: C. Ichai, C. Sandroni

- 11.30 **Early coagulation management in severe trauma**  
N. Juffermans
- 11.50 **Diagnosis and management of blunt cardiac injury**  
C. Coniglio
- 12.10 **Prehospital airway management in the critically injured trauma patient**  
M. Sorbello

12.30 *Lunch Break*

**RED HALL 2**

**CARDIAC ARREST AND POST-CARDIAC ARREST**

Chairpersons: R. Naeije, A. Sionis

- 9.00 **Standard ACLS algorithm or individualized CPR?**  
G. Ristagno
- 9.20 **Intravenous vs. intraosseous drugs during CPR: does it make a difference?**  
A. Granfeldt
- 9.40 **Intra-cardiac arrest transport or on-scene resuscitation?**  
L. Lamhaut
- 10.00 **Post-cardiac arrest sedation, hemodynamics and temperature management: what do we know? And which studies do we need?**  
J. Dankiewicz

10.20 **Withdrawal of care: when and how?**  
C. Sandroni

10.40 *Discussion*

11.00 *Break and Exhibition Visit*

**PAOLO PELOSI CONTRIBUTIONS AND AWARD**

Chairperson: A. Pesenti

- 11.30 **Mechanical ventilation in anesthesia**  
M.J. Schultz
- 11.50 **Superimposed pressure: opening pressure and sights**  
L. Gattinoni
- 12.10 **Assignment of Paolo Pelosi Award**  
*See details on page 69*

12.30 *Lunch Break*

**BLUE HALL 1**

**WEANING FROM MECHANICAL VENTILATION**

Chairpersons: L. Heunks, T. Tonetti

9.00 **PRELUDE**  
**Weaning from mechanical ventilation in the last 20 years**  
L. Heunks

9.20 **Managing the transition to assisted ventilation**  
G. Bellani

9.40 **How to manage difficult weaning**  
G. Foti

10.00 **Role of bedside imaging on weaning readiness**  
L. Ball

10.20 **Neurostimulation**  
O. Roca

10.40 *Discussion*

11.00 *Break and Exhibition Visit*

11.30-12.30  
**DEBATE**  
**LUNG-HEART INTERACTION AND VILI**

Chairperson: M. Quintel

**QUESTIONS**  
F. Collino

**ANSWERS**  
L. Camporota, J.J. Marini, A. Slutsky

12.30 *Lunch Break*

**BLUE HALL 2**

**TUTORIALS**  
**THE 'COMPLEX' PROBLEMS IN ICU**

Presenter: I. Steinberg

9.00 **How to mobilize patients in ICU**  
A. Lucchini

9.30 **How to diagnose and manage delirium**  
R. Sonnevile

10.00 **How to manage the organ donor patient**  
A. Zanella

10.30 **How to communicate bad news to the families**  
J. Latour

11.00 *Break and Exhibition Visit*

**TUTORIALS**  
**OPTIMIZING VOLUMES AND PRESSURES**

Presenter: R. Fumagalli

11.30 **How to optimize blood volume, filling pressure and cardiac function**  
D. Payen

12.00 **How to optimize pulmonary and systemic arterial pressure**  
R. Naeije

12.30 *Lunch Break*

**YELLOW HALL 2**

**LESSON LEARNED WITH COMPARATIVE EFFECTIVENESS RESEARCH IN TBI. READY FOR IMPLEMENTING THE FINDINGS**

Chairpersons: A. Caricato, F.S. Taccone

9.00 **Oxygenation, carbon dioxide and tracheostomy**  
R. Helbok

9.20 **Fluid balance**  
M. Van der Jagt

9.40 **ICP monitoring and treatment**  
G. Citerio

10.00-11.00

**PRO-CON DEBATE**  
**ADMISSION TO ICU**

**ONLY FOR ORGAN DONATION**

Chairpersons: E.G. Bignami, M. Giani

**PRO - The Spanish experience**  
R. Badenes

**CON**  
G. Citerio

**I DO NOT KNOW**  
M. Vergano

11.00 *Break and Exhibition Visit*

**ROUND TABLE**  
**UPDATE IN ACUTE CARDIOVASCULAR SUPPORT**

Chairpersons: F. Guarracino, A. Sionis

11.30 **Early stratification and management of severe pulmonary embolism**  
R. Naeije

11.50 **The clinical application of intra-aortic balloon pump**  
A. Sacco

12.10 **Mechanical circulatory supports: state of the art**  
G. Tavazzi

12.30 *Lunch Break*

**YELLOW HALL 3**

**TECHNOLOGY IMPACT IN PERIOPERATIVE AND CRITICAL CARE MEDICINE**

Chairpersons: L. Brazzi, G. Grasselli

9.00 **Personalized perioperative medicine**  
V. Bellini

9.20 **Wearable technologies**  
F. Michard

9.40 **High flow nasal cannula in postoperative hypoxemic patients**  
T. Mauri

10.00 **Effect of CRRT and hemoadsorption upon antimicrobial pharmacokinetics in critically ill children**  
G. Bottari

10.20 **Hemoadsorption effects upon circulating cytokines blood levels in humans**  
G. Castellano

10.40 *Discussion*

11.00 *Break and Exhibition Visit*

**WE CAN'T DO GENERAL ANESTHESIA WITHOUT (PROCESSED) ELECTROENCEPHALOGRAPHY**

Chairpersons: R. Helbok, P. Pandin

11.30 **Raw traces**  
A. Caricato

11.50 **Density spectral array**  
S. Romagnoli

12.10 **All the others: burst suppression, spectral edge frequencies, electromyography, artifacts, asymmetry**  
P. Pandin

12.30 *Lunch Break*

**RED HALL 1**

**NONINVASIVE SUPPORT**

Chairpersons: G.A. Iotti, O. Roca

- 14.30 **High Flow Oxygen in ARF: the evidence**  
O. Roca
- 14.50 **NIV in hypoxemic ARF: how and when**  
M. Antonelli
- 15.10 **Monitoring during NIV**  
S. Coppola
- 15.30 **Is my patient failing NIV?**  
S. Jaber
- 15.50 **Discussion**

**RED HALL 2**

**PERIOPERATIVE BLOOD VOLUME MANAGEMENT**

Chairpersons: F. Forfori, G. Paternoster

- 14.30 **PRELUDE**  
**Perioperative blood volume management: where do we stand?**  
F. Forfori
- 14.50 **Intraoperative fluid management: quantity and quality**  
P. Caironi
- 15.10 **Monitoring volume during anesthesia**  
A. Messina
- 15.30 **Fluid management after surgery: from ERAS principles to real life**  
G. Baldini
- 15.50 **Discussion**

**BLUE HALL 1**

12.45 - 14.15

**LUNCH SESSION**

**TARGETED STRATEGIES FOR ENDOTHELIAL AND HEMOSTASIS DYSFUNCTION IN SEPTIC PATIENTS**

*Supported by GRIFOLS*

Chairperson: M. Girardis

**Sepsis-induced disturbance of the interplay between immune and endothelial systems**  
N. Juffermans

**Management of endothelial dysfunction in septic shock: role of albumin infusion**  
I. Martin-Loeches

**Effects of therapies on microcirculation in the septic patient**  
A. Donati

**Intravenous immunoglobulin in patients with hyperinflammatory response: clinical evidence**  
M. Girardis

**Discussion**

**COMPLICATIONS AFTER ANESTHESIA**

Chairpersons: H. Amirfarzan, M.J. Schultz

- 14.30 **Respiratory failure**  
M.J. Schultz
- 14.50 **Brain dysfunction**  
S. Piva
- 15.10 **Myocardial injury**  
F. Guarracino
- 15.30 **Kidney injury**  
S. De Rosa
- 15.50 **Discussion**

**BLUE HALL 2**

**TUTORIALS**

**MANAGING CARDIOVASCULAR FUNCTION**

Presenter: L. Brazzi

- 14.30 **How to treat arrhythmias**  
G. De Ferrari
- 15.00 **How to treat fulminant myocarditis**  
E. Ammirati
- 15.30 **How to use circulatory drugs in the critically ill**  
F. Sangalli

**YELLOW HALL 2**

**ISCHEMIC STROKE AT THE ICU DOORSTEP**

Chairpersons: R. Helbok, V. Newcombe

- 14.30 **The Lombardia system... one year later**  
A. Coppo
- 14.50 **Update on neuroimaging and on neurovascular interventions**  
P. Remida
- 15.10 **ICU management**  
R. Helbok
- 15.30 **Decompressive craniectomies: still an option?**  
C. Giussani
- 15.50 **Discussion**

**YELLOW HALL 3**

*Online session with remote connection*

**THE BEST FOUR ARTICLES IN INTENSIVE CARE MEDICINE IN THE LAST 12 MONTHS**

Chairperson: G. Citerio

- 14.30 **Mental health sequelae in survivors of cardiogenic shock complicating myocardial infarction: a population-based cohort study**  
R. Mathew
- 14.45 **Frailty, outcomes, recovery and care steps of critically ill patients (FORECAST): a prospective, multi-centre, cohort study**  
J. Muscedere
- 15.00 **Measuring the impact of maternal critical care admission on short- and longer-term maternal and birth outcomes**  
N. Lone
- 15.15 **Effects of restrictive fluid therapy on the time to resolution of hyperlactatemia in ICU patients with septic shock: a secondary post hoc analysis of the CLASSIC randomized trial**  
C. Ahlstedt
- 15.30 **Discussion**

# SMART NURSING

## YELLOW HALL 1 | MORNING

### VECCHI E NUOVI MONITORAGGI IN TERAPIA INTENSIVA

Chairpersons: S. Bambi, A. Lucchini

- 9.30 **Elettroencefalografia continua  
in terapia intensiva**  
A. Bianchi
- 9.45 **Monitoraggio non invasivo della  
funzione respiratoria**  
C. Fusi
- 10.00 **Pupillometria automatizzata  
in terapia intensiva**  
V. Roberti
- 10.15 **L'importanza dimenticata del  
monitoraggio della pressione  
venosa centrale**  
A. Pesenti

10.30 **Discussione**

11.00 *Break and Exhibition Visit*

### CONTROLLO DELLE INFEZIONI IN TERAPIA INTENSIVA

Chairpersons: A. Galazzi, T. Satta

- 11.30 **Chlorhexidine oral care: from  
prevention of pneumonia to risk  
factor for mortality**  
S. Blot
- 11.45 **Quali device, per quanto tempo  
e in quali pazienti**  
I. Comisso
- 12.00 **Perché, quando e come isolare  
i pazienti in terapia intensiva**  
E. Conoscenti

12.15 **Discussione**

12.30 *Lunch Break*

## YELLOW HALL 1 | AFTERNOON

### UMANIZZAZIONE DELLA CURA IN TERAPIA INTENSIVA

Chairpersons: S. Blot, R. Fumagalli

- 14.30 **Humanizing ICU: a neverending story**  
J. Latour
- 14.45 **Importanza dell'ambiente nella  
prevenzione del delirium**  
A. Lucchini
- 15.00 **Panoramica sui metodi alternativi  
per l'analgesia e la sedazione**  
S. Gurgone
- 15.15 **Quanto vengono coinvolti i genitori  
nel nursing in terapia intensiva  
pediatrica**  
T. Satta
- 15.30 **Cure palliative in terapia intensiva**  
A. Giannini
- 15.45 **L'elaborazione del lutto in terapia  
intensiva**  
A. Galazzi
- 16.00 **Discussione**

# SMART NURSING

Lingue: Inglese e/o Italiano, senza traduzione simultanea  
Languages: English and/or Italian, no simultaneous translation



WESMART  
**SESSIONS**

Complementary sessions detailed below will take place in either of the two open spaces in the Exhibition Area, the **WeSmart Space 1** and **WeSmart Space 2**. Admission is free or by invitation. Capacity: **50 seats** each (approx.). Both WeSmart Spaces are equipped with noise-cancelling earphones.

Le sessioni complementari riportate in queste pagine si svolgeranno in uno dei due 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. Entrambi gli spazi sono provvisti di auricolari per l'isolamento acustico.

**Languages:** English and/or Italian, no simultaneous translation.

**Lingue:** Inglese e/o Italiano, senza traduzione simultanea.

## WEDNESDAY MAY 29

### WeSmart Space 1

**WEDNESDAY  
MAY 29**  
11.30 - 12.30

**NUTRITIONAL THERAPY IN CRITICAL PATIENTS: TECHNOLOGIES AND MULTIDISCIPLINARITY AS THE BASIS FOR THE RIGHT TREATMENT**

Speakers: **F. Collino, A. Pezzana**

With the non-conditioning support of

**Baxter**

**WEDNESDAY  
MAY 29**  
16.00 - 17.30

**SEMI-CONTINUOUS URINARY ELECTROLYTES MONITORING: CLINICAL RELEVANCE OF A NEW TECHNIQUE**

16.00 **Urinary electrolytes monitoring: an immediate estimate of volume, perfusion and acid-base variations**  
L. Gattinoni

16.20 **Homeostatic response to increased abdominal pressure monitored by urinary electrolytes variation**  
S. Romagnoli

16.40 **Urinary electrolytes monitoring during diuretic infusion and anesthesia induction**  
D. Chiumello

17.00 **Assessing the effective circulating volume by bicarbonate infusion and urinary electrolytes response**  
P. Caironi

17.20 **Discussion**

Supported by **KURES SRL**

### WeSmart Space 2

**WEDNESDAY  
MAY 29**  
15.00 - 16.00

**AMPHOTERICIN B IN CRITICALLY ILL PATIENTS: WHO AND WHEN**

Chairpersons: **M. Girardis, P. Viale**

**Patients with pneumonia**  
M. Giannella

**Patients with abdominal sepsis**  
F. Pea

With the non-conditioning support of

**GILEAD**  
Creating Possible

**WEDNESDAY  
MAY 29**  
16.30 - 17.30

**USE OF MULTI-BIOMARKERS FOR THE CLINICAL MANAGEMENT OF CRITICAL PATIENTS**

**The Italian experience**  
G. Montrucchio

**The Spanish experience**  
R. Ferrer Roca

Supported by **ThermoFisher  
SCIENTIFIC**

## THURSDAY MAY 30

### WeSmart Space 1

**THURSDAY  
MAY 30**

10.00 - 11.00

**ANTIBIOTIC THERAPY:  
NEW OPTIONS IN  
DIFFICULT INFECTIONS**

Speakers: **G. Grasselli, P. Viale**

*A Coffee Bag will be offered  
to participants*

Supported by 

**THURSDAY  
MAY 30**

11.30 - 12.30

**IL RUOLO CRUCIALE DELLA  
COMUNICAZIONE PER MIGLIORARE  
L'EMPATIA IN TERAPIA INTENSIVA**

Speakers: **M. Argenziano,  
M. Codara, R. Fumagalli**

Supported by 

**THURSDAY  
MAY 30**

16.00 - 17.00

**REMIMAZOLAM:  
A NEW MOLECULE FOR  
PROCEDURAL SEDATION.  
A NEW PATHWAY FOR  
SEDATION PRACTICE**

Speakers: **R. Monzani, S. Romagnoli**

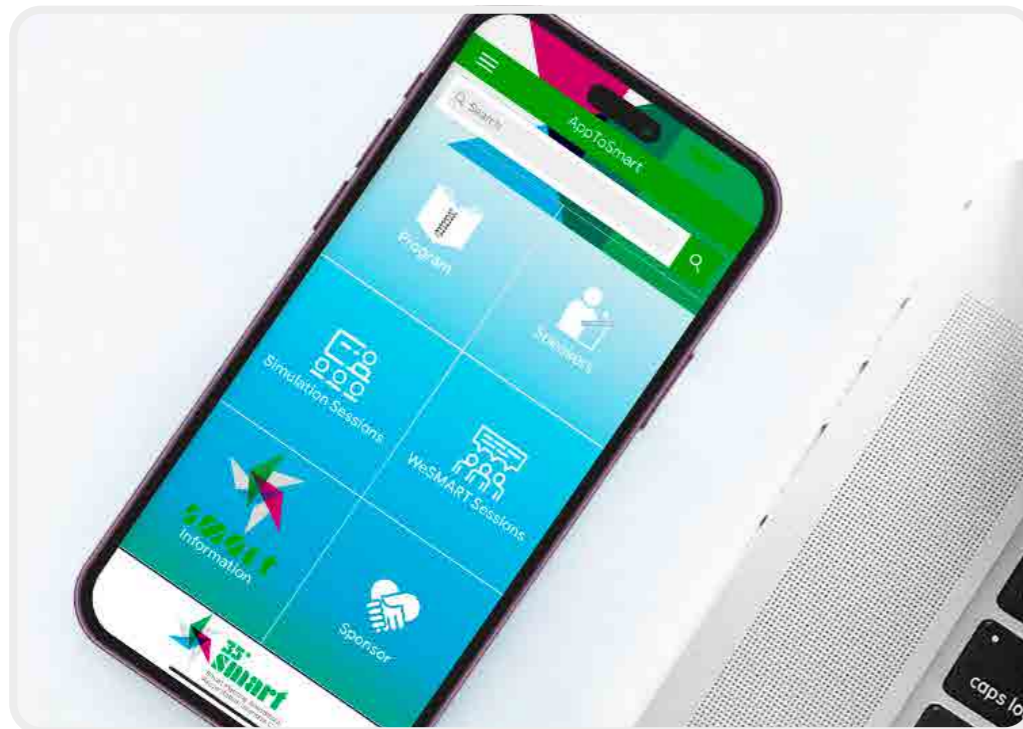
*A Coffee Bag will be offered  
to participants*

Supported by 

# APP TO **smart**

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## SMART 2024 Airway Training Lab



A new open space in the Exhibition Area hosts 4 workstations where hands-on sessions are scheduled for practical training on airway management. The 45-min hands-on sessions are conducted by expert trainers and scheduled several times throughout the meeting according to the calendar below. Trainers are "EAMS Airway Teachers".

Participation is free with mandatory pre-registration to be applied onsite at the appropriate desk. Admission to each session is limited to max 5 participants, therefore we suggest you to register as soon as you arrive at the meeting venue as registrations will be accepted on a first-come-first served basis, subject to availability. Registration to the SMART Meeting is required to participate.

Un nuovo spazio aperto allestito nell'Area Espositiva ospita 4 workstation dove vengono proposte sessioni hands-on per un training pratico sulla gestione delle vie aeree. Le sessioni durano 45 minuti, sono condotte da trainer esperti e riproposte più volte nelle giornate congressuali secondo il calendario sotto riportato. I trainer sono "EAMS Airway Teachers".

La partecipazione è gratuita con preiscrizione obbligatoria da effettuarsi in sede congressuale presso l'apposito desk. Visto il numero limitato di posti (max 5 partecipanti per ogni singola sessione), si consiglia agli interessati di iscriversi non appena giunti in sede congressuale in quanto le iscrizioni saranno accettate in base al principio first-come-first served, fino ad esaurimento posti. Per partecipare è necessario essere iscritti allo SMART.



### Lab Calendar

**1** WORKSTATION 1  
**Cannot ventilate cannot oxygenate: CVCO cricothyrotomy scenario**  
TRAINERS: A. Adduci / M. Sorbello

<b>MAY 29</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 30</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 31</b>	11.30 - 12.30	

**2** WORKSTATION 2  
**2024 Airway management: from prediction to strategy**  
TRAINERS: R. Cataldo / R. Greif

<b>MAY 29</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 30</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 31</b>	11.30 - 12.30	

**3** WORKSTATION 3  
**The predicted difficult airway**  
TRAINERS: G. Cortese / G.L. Rosboch

<b>May 29</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 30</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 31</b>	11.30 - 12.30	

**4** WORKSTATION 4  
**Perioxygenation**  
TRAINERS: M. Carron / R. Cataldo

<b>MAY 29</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 30</b>	11.30 - 12.30	15.00 - 16.00
<b>MAY 31</b>	11.30 - 12.30	

Languages: English and/or Italian, no simultaneous translation. **Lingue:** Inglese e/o Italiano, senza traduzione simultanea.



SIMULATION  
**SESSIONS**



Participation is free with mandatory registration to be applied onsite at the appropriate desk. Registrations will be accepted on a first-come-first served basis, subject to availability (**max 40 participants**). Registration to the SMART Meeting is required to participate.

La partecipazione è gratuita con iscrizione obbligatoria da effettuarsi in sede congressuale presso l'apposito desk. Le iscrizioni saranno accettate in base al principio first-come-first served, fino ad esaurimento posti (**max 40 partecipanti**). Per partecipare è necessario essere iscritti allo SMART.

Languages: English and/or Italian, no simultaneous translation

Lingue: Inglese e/o Italiano, senza traduzione simultanea

## WEDNESDAY MAY 29

Simulation Center	WEDNESDAY MAY 29	10.00 - 11.00
-------------------	------------------	---------------

1

SIMULATION  
SESSION

MECHANICAL  
VENTILATION

Supported by  & 

SPEAKERS: **F. Collino, S. Coppola, L. Gattinoni**

### ASSESSMENT OF ESOPHAGEAL PRESSURE, RESPIRATORY EFFORT, AND MECHANICAL POWER

The aim of this session is to simulate in a physical lung model the effects of mechanical ventilation and spontaneous ventilation on esophageal/intrathoracic pressure. Through the simulation, attendees will learn how to assess transpulmonary pressure, inspiratory efforts, mechanical power, and their physiological significance. These measurements are fundamental for a correct diagnosis of respiratory failure mechanisms and for the rational application of different forms of respiratory support.

*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.*

## WEDNESDAY MAY 29

Simulation Center	WEDNESDAY MAY 29	14.30 - 15.30
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1

SIMULATION  
SESSION

MECHANICAL  
VENTILATION

Supported by



&  *emotion through technology*

SPEAKER: **E. Rezoagli**

### SETTING ASSISTED VENTILATION IN THE HYPOXEMIC PATIENT. THE BRIGHT AND THE DARK SIDE (SILI) OF PRESSURE SUPPORT SETTARE LA VENTILAZIONE ASSISTITA NEL PAZIENTE IPOSSIEMICO. THE BRIGHT AND THE DARK SIDE (SILI) OF PRESSURE SUPPORT

The aim of this simulation scenario is to provide practical hints for use at the bedside to adjust the ventilatory support and evaluate the associated advantages/risks. In particular, we will discuss the techniques for measuring mechanical parameters during spontaneous breathing (compliance, driving pressure, PMI, PO.1, Pocc, NIF etc.) and their use in clinical practice to achieve the best from resumption of respiratory activity while maintaining the lung protective strategy and avoid Self-Induced Lung Injury.

*Lo scopo di questo scenario di simulazione è fornire elementi pratici, applicabili al letto del paziente, per regolare l'assistenza ventilatoria e valutare vantaggi/rischi ad essa connessi. In particolare, verranno mostrate le tecniche per misurare i parametri di meccanica respiratoria durante respiro spontaneo (compliance, driving pressure, PMI, PO.1, Pocc, NIF ecc.) ed il loro utilizzo nella pratica clinica per massimizzare gli effetti positivi della ripresa dell'attività respiratoria, mantenere la lung protective strategy ed evitare il Self-Induced Lung Injury.*

## THURSDAY MAY 30

Simulation Center	WEDNESDAY MAY 29	12.30 - 13.30
-------------------	------------------	---------------

1

SIMULATION  
SESSION

MECHANICAL  
VENTILATION

Supported by 

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

### ALVEOLAR RECRUITMENT AND PEEP SETTING BASED ON RESPIRATORY MECHANICS

RECLUTAMENTO ALVEOLARE E IMPOSTAZIONE DELLA PEEP IN BASE ALLA MECCANICA RESPIRATORIA

The aim of this simulation scenario is to train attendees on how to perform alveolar recruitment maneuvers and titrate PEEP while taking into account the data derived from respiratory mechanics. The most relevant pathologic alterations of these parameters will be simulated and their clinical implications will be discussed.

*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.*

Simulation Center	THURSDAY MAY 30	9.30 - 11.00
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1

SIMULATION  
SESSION

EMERGENCY

Supported by  *EVERY LIFE MATTERS*

SPEAKERS: **M. Belliato, L. Camporota, B. Fryer, C. Meadows, D. Taylor**

### OVERVIEW OF E-CPR CONCEPTS AND ITS CLINICAL RELEVANCE. CANNULATION TECHNIQUES TIPS AND TRICKS

**SCENARIO 1: E-CPR without ROSC**

Briefing, cannulation theory, practice, and equipment handling.

**SCENARIO 2: E-CPR with ROSC**

Briefing, circulation assessment, complication management.

This program provides an interactive hands-on experience and discussion on E-CPR concepts and scenarios.

THURSDAY MAY 30

Simulation Center

THURSDAY MAY 30

11.30 - 12.30

1

SIMULATION SESSION

AEROSOL DRUG DELIVERY

Supported by **Aerogen** & **burke&burke**  
Pioneering Aerosol Drug Delivery emotion through technology

SPEAKERS: **E. Fernández Fernández, A. Lucchini**

**AEROSOL DRUG THERAPY DURING VENTILATORY SUPPORT**  
**AEROSOLTERAPIA DURANTE IL SUPPORTO VENTILATORIO**

The aim of this simulation session is to provide participants with a new approach to the application of aerosol drug therapy, not only in the critical care environment but throughout the patient's respiratory care clinical journey. During the session, the fundamental principles of aerosol drug delivery will be introduced, and we will then move on to both theoretical and practical applications in invasive and non-invasive mechanical ventilation, high flow nasal therapy and spontaneous breathing simulated scenarios.

*Lo scopo di questo scenario di simulazione è fornire ai partecipanti un nuovo approccio all'applicazione dell'aerosolterapia, non solo in aera critica ma lungo tutto il percorso clinico assistenziale respiratorio del paziente. Durante la sessione verranno introdotti i principi fondamentali della somministrazione del farmaco nebulizzato per poi passare all'applicazione sia teorica che pratica simulata in ventilazione meccanica invasiva e non invasiva, in alti flussi e in respirazione spontanea.*

**Introduction** - E. Fernández Fernández, A. Lucchini

**An overview of aerosol drug delivery** - E. Fernández Fernández

**Aerosol drug delivery during MV, NIV, HFNT & SB** - A. Lucchini

**Simulation & hands-on workshop** - A. Lucchini

**Conclusions & session wrap up** - E. Fernández Fernández, A. Lucchini

Simulation Center

THURSDAY MAY 30

15.00 - 16.30

1

SIMULATION SESSION

EMERGENCY

Supported by **EUROSETS**  
EVERY LIFE MATTERS

SPEAKERS: **M. Belliato, L. Camporota, B. Fryer, C. Meadows, D. Taylor**

**OVERVIEW OF E-CPR CONCEPTS AND ITS CLINICAL RELEVANCE.**  
**CANNULATION TECHNIQUES TIPS AND TRICKS**

**SCENARIO 1: E-CPR without ROSC**

Briefing, cannulation theory, practice, and equipment handling.

**SCENARIO 2: E-CPR with ROSC**

Briefing, circulation assessment, complication management.

This program provides an interactive hands-on experience and discussion on E-CPR concepts and scenarios.

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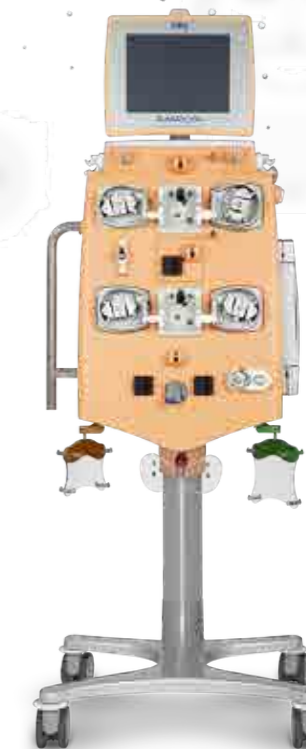


**35' Smart**

Smart Meeting Anesthesia  
 Resuscitation inTensive Care

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Milan | May 29-31, 2024

Allianz MiCo - North Wing

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## TROUBLESHOOTING IN CRITICALLY ILL PATIENTS

Scientific Technical Coordinator: **A. ANDREOTTI**

Scopo di queste sessioni di Simulazione ad Alta Fedeltà è riproporre ai discenti scenari di vita reale seguendo le regole del CRM e destrutturando gli eventi in approfonditi debriefing con gli esperti del settore per acquisire competenze e conoscenze in maniera pratica e dinamica.

Saranno presentati scenari di crisi del paziente critico in diversi setting... dalla Shock Room di un Pronto Soccorso alla Terapia Intensiva, dalla stabilizzazione per il trasporto alle complesse dinamiche dell'ambiente non permissivo. Non una comune simulazione volta alla risoluzione di un problema, ma un complesso decision-making finalizzato a diversificare e personalizzare i trattamenti delle crisi e delle disfunzioni d'organo sulla base del tipo di paziente, dell'evoluitività della patologia e delle capacità dei singoli operatori. La Simulazione ad Alta Fedeltà sarà utilizzata come metodo di apprendimento in un contesto di elevato spessore scientifico, crescita interpersonale e scambio di esperienze.

La partecipazione è gratuita con iscrizione obbligatoria da effettuarsi in sede congressuale presso l'apposito desk. Le iscrizioni saranno accettate in base al principio first-come-first served, fino ad esaurimento posti (**max 30 partecipanti**). Per partecipare è necessario essere iscritti allo SMART.

Lingue: Inglese e/o Italiano, senza traduzione simultanea  
Languages: English and/or Italian, no simultaneous translation

## CHAMPIONS LEAGUE SMART 2024

In occasione del 35° SMART si svolgerà la **Champions League SMART 2024**, una competizione a squadre di simulazione avanzata riservata a otto team di Medici in Formazione Specialistica. L'intera competizione si terrà a Milano presso l'Allianz MiCo North Wing durante la settimana SMART.

Nella prima parte, programmata **Martedì 28 Maggio**, gli otto team si sfideranno affrontando gli scenari previsti dal programma. I quattro team che avranno ottenuto i punteggi più alti accederanno alle semifinali programmate **Mercoledì 29 Maggio** presso il Simulation Center 2. **Giovedì 30 Maggio** i due team vincitori si affronteranno nella finalissima, alla quale seguirà la cerimonia di premiazione.

SIMULATORI & TECNOLOGIE



## WEDNESDAY MAY 29

Simulation Center

WEDNESDAY MAY 29 | 10.00 - 11.00

2

### CHAMPIONS LEAGUE

SIMULATION TEAM: **S. Campani, L. Dall'Ara, F. Petrucci**  
SPEAKER: **F. Barbani**

## CHAMPIONS LEAGUE SMART 2024

### SEMIFINALE 1

Prima semifinale della competizione a squadre **CHAMPIONS LEAGUE - SMART 2024** riservata a team di Medici in Formazione Specialistica.

Nella prima semifinale si sfideranno due dei 4 team che sono risultati vincitori nelle qualificazioni pre-congressuali.

Il team vincitore della semifinale disputerà la finalissima che si svolgerà in questa stessa sede **giovedì 30 maggio alle ore 10.00**.

Simulation Center

WEDNESDAY MAY 29 | 11.30 - 13.30

2

### HIGH FIDELITY SIMULATION 1

SIMULATION TEAM: **S. Campani, L. Dall'Ara, F. Petrucci**  
SPECIAL GUESTS: **F. Barbani, F.S. Taccone**

## NEL LABIRINTO... DISFUNZIONI NEUROLOGICHE

Quando la partita si gioca per garantire un'adeguata protezione cerebrale... ma tutto il resto non va per il verso giusto. Stati di coma ed interpretazione dell'analgo-sedazione: dalla profondità dell'ipnosi al riconoscimento delle anomalie elettroencefalografiche in una case series di pazienti complessi traumatici ed internistici.

## WEDNESDAY MAY 29

Simulation Center

WEDNESDAY MAY 29 | 14.30 - 15.30

2

SIMULATION TEAM: **F. Barbani, S. Campani, F. Petrucci**  
SPEAKER: **L. Dall'Ara**

### CHAMPIONS LEAGUE SMART 2024

CHAMPIONS  
LEAGUE

#### SEMIFINALE 2

Seconda semifinale della competizione a squadre **CHAMPIONS LEAGUE - SMART 2024** riservata a team di Medici in Formazione Specialistica.

Nella seconda semifinale si sfideranno due dei 4 team che sono risultati vincitori nelle qualificazioni pre-congressuali.

Il team vincitore della semifinale disputerà la finalissima che si svolgerà in questa stessa sede **giovedì 30 maggio alle ore 10.00**.

Simulation Center

WEDNESDAY MAY 29 | 16.00 - 18.00

2

SIMULATION TEAM: **S. Campani, L. Dall'Ara, F. Petrucci**  
SPECIAL GUESTS: **M. Girardis, M. Singer**

#### SEPSIS & MORE

HIGH FIDELITY  
SIMULATION  
2

Sepsis-related complications as the first cause of death in ICU patients. Analysis and hands-on insights on bundles, early treatment and multidisciplinary management in a complex puzzle of critically ill patients.

## THURSDAY MAY 30

Simulation Center

THURSDAY MAY 30 | 10.00 - 11.00

2

COORDINATOR: **A. Andreotti**  
SIMULATION TEAM: **L. Dall'Ara, G. Sales**

### CHAMPIONS LEAGUE SMART 2024

CHAMPIONS  
LEAGUE

#### FINALISSIMA

Attesa finalissima della competizione a squadre **CHAMPIONS LEAGUE - SMART 2024** riservata a team di Medici in Formazione Specialistica.

La finale vedrà fronteggiarsi i due migliori team che sono risultati vincitori delle qualificazioni pre-congressuali e delle semifinali... Pubblico e tifoserie sono graditi. Stay tuned.

Simulation Center

THURSDAY MAY 30 | 11.30 - 13.30

2

SIMULATION TEAM: **L. Dall'Ara, G. Sales**  
SPECIAL GUEST: **R. Garra**

HIGH FIDELITY  
SIMULATION  
3

#### I 10 MINUTI DI PLATINO & CONSIGLI PER IL PAZIENTE PEDIATRICO

Pazienti piccoli, problemi grandi! Accogliere, stabilizzare e trattare al meglio il bambino critico nella prima ora... o meglio nei primi 10 minuti! Quando le scelte diventano strettamente tempo-dipendenti e la pianificazione di un'adeguata strategia è alla base di tutto. Due ore di escalation terapeutica, strategie e tanta expertise per ottimizzare il piccolo paziente.

Simulation Center

THURSDAY MAY 30 | 14.30 - 15.30

2

SPEAKERS: **A. Andreotti, L. Careno**

ONE HOUR  
WORKSHOP

#### STRATEGIE PER IL TRASPORTO DEL PAZIENTE CRITICO

Approfondimento ed "open table" sulle strategie di stabilizzazione e trasporto del paziente critico... dalla gomma alla pala mobile, numerose skills sul setup del mezzo da trasporto e sulle caratteristiche tecniche degli apparecchi elettromedicali, conditio sine qua non per la messa in sicurezza dell'equipaggio e la risoluzione delle crisi durante il trasporto.

## THURSDAY MAY 30

Simulation Center

THURSDAY MAY 30 | 16.00 - 18.00

2

HIGH FIDELITY  
SIMULATION

4

SIMULATION TEAM: **L. Dall'Ara, G. Sales**

SPECIAL GUEST: **F. Sbaraglia**

### QUANDO SEI REPERIBILE... IN SALA PARTO

Ovvero, come mantenere un'adeguata perfusione placentare... in Emergenza/Urgenza! Una carrellata di problematiche peri-partum capaci di travolgere i discenti in un complesso decision-making tra parto vaginale, resuscitation in utero e taglio cesareo emergente. Strategie di controllo delle emorragie e trattamento dei quadri di gestosi con un doppio obiettivo: salvaguardare madre e feto.

THURSDAY MAY 30

NOVITÀ  
2024

## ESCAPE ROOM COMPETIZIONE A TEMPO

*Quando il gioco si fa duro e anche un minuto può fare la differenza...*

SIMULATION TEAM: **S. Campani, F. Petrucci**

Una Escape Room appositamente allestita sarà teatro di un'avvincente competizione a tempo tra team di medici e infermieri pronti a raccogliere la sfida.

Logica, intuizione, sangue freddo, tempismo e una perfetta sintonia tra i diversi ruoli saranno le carte che i team dovranno mettere in campo per trovare la soluzione più velocemente degli avversari.

La partecipazione è libera e gratuita. Le iscrizioni, da effettuarsi on-site nella giornata di mercoledì 29 maggio, saranno accettate in base al principio 'first come-first served', fino ad esaurimento posti. Contestualmente, sarà presentata la Escape Room e saranno illustrate le regole di partecipazione.

**La gara si svolgerà nell'intera giornata di GIOVEDÌ 30 MAGGIO** con rotazione non-stop dei team iscritti.

Al termine della gara sarà esposta la classifica con i risultati finali.

## FRIDAY MAY 31

Simulation Center

FRIDAY MAY 31 | 9.00 - 11.00

2

HIGH FIDELITY  
SIMULATION

5

SIMULATION TEAM: **S. Campani, L. Dall'Ara, F. Petrucci**

SPECIAL GUESTS: **M. Placci e Operatore Combat Medic qualificato 18D/SOCM**

### AMBIENTE OSTILE: DAMAGE CONTROL RESUSCITATION

In un contesto sempre più attuale e con complesse dinamiche internazionali, il soccorso in ambiente ostile e con limitate risorse richiede competenze e strategie non convenzionali. Con l'aiuto di personale altamente qualificato nei panni di "Guest Instructor", analizzeremo il ruolo del US-SOCM (Special Operation Combat Medic) dal Tactical Combat Casualty Care alla DCR Strategy.

Una preziosa opportunità per capire le dinamiche di stabilizzazione del ferito e le priorità di trattamento da cui nascono le linee guida internazionali.

Simulation Center

FRIDAY MAY 31 | 11.30 - 13.30

2

HIGH FIDELITY  
SIMULATION

6

SIMULATION TEAM: **S. Campani, L. Dall'Ara, F. Petrucci**

SPECIAL GUEST: **G. Cortese**

### STRATEGIE FONDAMENTALI NELLA GESTIONE DELLE VIE AEREE

Tips & tricks nella gestione delle vie aeree difficili! Dimenticate "tubo e lama" passando da strategie di ossigenazione apnoica al FONA (Front of Neck Access), da un'analisi regressiva in simulazione dei SAD (Supraglottic Airway Devices) alle strategie awake fiberoptic e VL, con largo spazio riservato agli introduttori tracheali.

Simulation Center

FRIDAY MAY 31 | 14.30 - 16.00

2

HIGH FIDELITY  
SIMULATION

7

SIMULATION TEAM: **S. Campani, L. Dall'Ara, F. Petrucci**

SPECIAL GUESTS: **V. Agostini, N. Rachedi**

### BLOOD RUNNER

Final Rush nonché degno epilogo sulla gestione del paziente critico... ed emorragico! Una casistica di pazienti critici con disfunzioni multiorgano ed instabilità emodinamica da gestire al meglio, valutando le soglie, il timing e le scelte trasfusive nel mondo degli emoderivati e dei farmaci pro-coagulanti. Attenzione! Le scelte sbagliate sono dietro l'angolo...



# ORAL PRESENTATIONS AND E-POSTERS

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

**YELLOW HALL 1**

WEDNESDAY MAY 29 | 13.15 - 14.15

**MAY 29**

**ANESTHESIA AND SEDATION: THE PERIOPERATIVE PERIOD**

Chairpersons: **A. De Gasperi, F. Piccioni**

**Preoperative sarcopenia in patients scheduled for elective major surgery: risk factor modifiable with Multimodal Prehabilitation (MPreHab)?**

M. Feriti, F. Livi, S. Casati, L. Foti, F. Barbani, A. Durval, S. Amatucci, C. Tognozzi, A. Travelli, S.S. Peyrov Sajad, S. Chierici, G. Alpiciano, C. Fiorindi, G.D. Testa, S. Romanazzo, P. Cianchi, S. Scaringi, M. Cricchio, F. Perna, L. Moraldi, G.L. Grazi, S. Romagnoli, G. Baldini

**Rapid sequence induction of anaesthesia: facemask vs. high flow nasal oxygen**

C. Ghelardini, A. Di Filippo, T. Del Santo, G. Paladini, G. Baldini, G. Villa, S. Romagnoli

**Recruitment-to-inflation ratio to assess potential for lung recruitment during general anesthesia**

T. Rosà, S.L. Menga, C. Mastropietro, D. Settanni, A. Russo, L. Frassanito, L. Cascarano, S. Catarci, B.A. Zanfini, G. Scaramuzzo, S. Spadaro, M. Antonelli, D.L. Grieco

**Electroencephalographic signature of nociception during surgery**

C. Faso, E. Giardi, C. Cossu, G. Masi, A. Costantino, F. Lolli, L.M. Titherington, A. Grippo, S. Romagnoli

**Intranasal and intravenous Dexmedetomidine in paediatric procedural sedation: a retrospective study comparing the efficacy of the administration's routes**

L. Dall'Ara, I. Coloretti, G. Calligaris, G. Frabboni, L. Rinaldi, M. Girardis

**YELLOW HALL 2**

WEDNESDAY MAY 29 | 13.15 - 14.15

**MAY 29**

**CLINICAL CASES**

Chairpersons: **L. Brazzi, P. Caironi**

**Systemic hyperinflammatory syndrome, cytokine storm and distributive shock, do not forget Haemophagocytic Lymphohistiocytosis: if you look for it (maybe) you will find it. A case series in Intensive Care Unit**

R. Traversi, G. Arrigo, C. Bonetto, G. Sales, A. Busca, G. Montrucchio, V. Fanelli, L. Brazzi

**Management of JAK2 myeloproliferative neoplasm, thrombosis and major surgery: a case report**

G. Cantù, M. Cuzzocrea, A. Marino, C. Ambaglio, L. Barcella, M. Marchetti, M.C. Finazzi, F. Fabretti

**Case report: VA-ECMO in pheochromocytoma**

E. Sartori, E. Intignano, A. Bagliani, C. Belotti, L. Caneva, C.N.J. Colombo, F. Grandini, F. Capra Marzani, F. Mojoli, G. Tavazzi

**Continuous intra-arterial nimodipine infusion (CIANI) in delayed cerebral injury (DCI) post aneurismatic subarachnoid hemorrhage (aSAH)**

G. Sala, A. Guglielmi, G.M. Mazza, M. Hurpet, M.C. Laganà, D. Radolovich, C. Lo Coco, A. Aliberti, M. Voltini, G. Salve, G. Tavazzi, F. Mojoli, F. Sciutti, M. Pagani

**Suicide attempt with acute Turfene intoxication: a case report**

C. Ripa, S. Isgrò, F. Cipulli, A. Benini, G. Foti

**YELLOW HALL 3**

WEDNESDAY MAY 29 | 13.15 - 14.15

**MAY 29**

**ECMO**

Chairpersons: **L. Camporota, B. Fryer**

**Echocardiographic evaluation of ventricular performance in VA-ECMO weaning: results from a observational multicentric prospective study**

C.N.J. Colombo, V. Dammasa, C. Klersy, L. Civardi, A. Degani, A. Biglia, L. Perotti, R. Puce, R. Camporotondo, C. Pellegrini, S. Price, G. Tavazzi

**Temporal changes in markers of coagulation and fibrinolysis in adults during extracorporeal membrane oxygenation**

A. Doyle, A. Retter, K. Parmar, K. Mayger, N. Barrett, L. Camporota, K. Breen, B. Hunt

**Transition from aPTT to anti-Xa monitoring in ECMO-VV: safety of a new protocol**

F. Cappelli, G. Zimei, E. Guerra, M. Leveghi, A. Meli, A. Caccioppola, G. Grasselli, M. Panigada

**Effects of endovascular therapy in patients with massive pulmonary embolism receiving extracorporeal membrane oxygenation (ECMO)**

F. Momigliano, E. Tomarchio, L. Giosa, K. Win, P. Collins, V. Camarda, T.T.W. Hla, J. Dutton, B. Garfield, N. Sivarasan, N. Karunanithy, B. Patel, N. Barrett, L. Camporota

**Outcomes of major trauma patients requiring ECMO outside of a Level 1-Major Trauma Centre: experience of a high volume ECMO centre in the NHS**

J. Muller, K. Williams, L. Giosa, F. Momigliano, E. Tomarchio, I. Kangesan, C. Meadows, P. Sherren

**YELLOW HALL 1**

THURSDAY MAY 30 | 13.15 - 14.15

**MAY 30**

**INFECTIONS**

Chairpersons: **G. De Pascale, P. Povo**

**Evolving characteristics of invasive colonizations and infections caused by Enterobacterales NDM in critically ill patients: are we ready to recognize their real clinical impact in the Intensive Care Unit?**

L. Rodigari, D. Bargaoanu, S. Zuccolin, E. Giusano, V. Sanna, R. Traversi, C. Risso, G. Sales, A. Costamagna, S. Corcione, A. Curtioni, G. Montrucchio, V. Fanelli, L. Brazzi

**Algorithms for empirical therapy and rapid microbiology based on local epidemiology in HAP/VAP treatment: our experience**

A. Artale, C. Abbruzzese, D. Mangioni, G. Renisi, A. Bandera, A. Teri, M. Panigada, G. Grasselli

**Pharmacokinetic/pharmacodynamic aspects of colistin intravenous administration in critically ill patients suffering from hospital infections caused by multi-antibiotic resistant germs and receiving continuous renal replacement therapy**

G. De Pascale, L. Lisi, S.L. Cutuli, C. Marinozzi, A. Palladini, E. Sancho Ferrando, E.S. Tanzarella, G. Lombardi, D.L. Grieco, A. Caroli, R. Xhemalaj, L. Cascarano, G.M.P. Ciotti, C. Sandroni, M. Sanguinetti, P. Navarra, M. Sanguinetti

**Prognostic value of serial (1,3)-β-D-glucan measurements in ICU patients with invasive candidiasis**

S. Carelli, M.S. Vallecocchia, R. Xhemalaj, S.L. Cutuli, E.S. Tanzarella, A.M. Dell'Anna, G. Bello, L. Montini, D.L. Grieco, M. Antonelli, G. De Pascale, G. Polce

**Atypical case of fatal hemolysis in C. perfringens related septic shock without traumatic or hematologic causes**

N. Parati, F. Magon, I. Damiani, L. Gasparini, M. Ferrari, G. Casella, L. Faraldi, R. Fumagalli

**YELLOW HALL 2**

**THURSDAY MAY 30** | 13.15 - 14.15

**MAY 30**

**NEUROINTENSIVE CARE**

Chairpersons: **G. Citerio, F.S. Taccone**

**Acute ischemic stroke admission to a NeuroIntensive Care Unit in a comprehensive stroke center: our experience in 2023**  
M. Favarato, F. Bernasconi, A. Salcuni, M. Frazei, L. Perini, M. Amoruso, M. Fisconi, G. Pero, A. Chierogato

**Spectral edge frequency and dilation pupillary velocity in critically ill patients: a pilot study**  
M. Zaccarelli, M. Polato, F.S. Taccone

**Secondary analysis of ORANGE study: Neurological Pupil index (NPI) as valuable early predictor for clinical neuroworsening**  
M. Polato, M. Zaccarelli, S. Zorzi, M. Savi, M. Pasetto, M. Petrosino, G. Citerio, F.S. Taccone

**Topography and prognostic value of brain MRI signal abnormalities in post-anoxic super-refractory status epilepticus: a single-center, retrospective study**  
D. Raimondi Cominesi, S. Diamanti, F. Pasini, C. Capraro, M. Patassini, E. Bianchi, M. Normanno, P. Remida, G. Redaelli, C. Ferrarese, M. Pozzi, S. Beretta, G. Foti

**Impact of polytraumatism on time to death in TBI patients**  
S. Mazzarello, D. Corbella, T. Togni, F. Micheli, G. Cavalleri, S. Milani, L. Urbaz, M. Dello Russo, S. Ticca, F. Biroli, P. Gritti, F.L. Lorini

**YELLOW HALL 3**

**THURSDAY MAY 30** | 13.15 - 14.15

**MAY 30**

**VENTILATION... FROM BENCH**

Chairpersons: **C. Gregoretti, G.A. Iotti**

**Mechanical energy at different combinations of PEEP and driving pressure in ARDS patients**  
M. Giacosa, A. Barbisoni, R. Costa Couto, D. Agnoletti, A. Orlando, E. Arisi, M. Pozzi, S. Mongodi, F. Mojoli

**The effect of PEEP on pulmonary vascular resistance depends on lung recruitability in ARDS patients**  
S. Cappio Borlino, J. Hagry, C. Lai, E. Rocca, G. Fouqué, D. Rosalba, M. Fasan, R. Shi, A. Recanatini, I. Cisterna, M. Barotti, T. Pham, J.L.Teboul, X. Monnet

**Clinical predictors of VILI risk: a comparison between driving pressure and mechanical power ratio**  
M. Galizia, B. Donati, S. Giovanazzi, D. Nocera, V. Ghidoni, G. Catozzi, R. D'Albo, S. Gattarello, M. Busana, F. Collino, F. Romitti, O. Mörer, L. Gattinoni

**Mechanical power ratio threshold for histological evidence of ventilatory-induced lung injury in healthy animals**  
G. Catozzi, M. Galizia, V. Ghidoni, D. Nocera, T. Pozzi, R. D'Albo, R.V. Nicolardi, M. Busana, S. Gattarello, F. Romitti, O. Mörer, L. Gattinoni

**Detection of tidal recruitment with a single quasistatic pressure-volume loop in ARDS patients**  
R. Couto, M. Giacosa, A. Barbisoni, D. Agnoletti, A. Orlando, E. Arisi, M. Pozzi, S. Mongodi, F. Mojoli

**YELLOW HALL 1**

**FRIDAY MAY 31** | h 13.00 - 14.15

**MAY 31**

*Language: English or Italian, no simultaneous translation*

**NURSING**

Chairpersons: **S. Bambi, A. Lucchini**

**The order of draw during blood collection: a systematic literature review**  
G. Bazzano, A. Galazzi, G.D. Giusti, M. Panigada, D. Laquintana

**Risk assessment of pressure injury in intensive care. "Braden vs CALCULATE" scales**  
G. Barra, R. Vacchelli, A. Choc, V. Russotto, P. Caironi

**L'infermiere nella gestione dell'ipotermia grave in ambiente impervio**  
E. Larcher

**Experimental evaluation of stability in different central venous catheter fixation techniques**  
A. Lazdane, A. Homenko, S. Kazune

**Eye care practice in Intensive Care Unit, a rapid review**  
L. Cellura, S.G. Scaglia, R. Arioli, S. Longo, M. Cesari, C. Bernini, R. Francese, G. Meda

**Contributo di un infermiere specializzato nel miglioramento dell'outcome del paziente attraverso l'uso dell'ecografia point-of-care: indagine sul punto di vista e sul vissuto dei professionisti**  
C. Nuti, C. Buccheri, F. Moggia

**Disumanizzazione delle cure in emergenza-urgenza: come l'infermiere percepisce il paziente critico**  
C. Nuti

**YELLOW HALL 2**

**FRIDAY MAY 31** | 13.15 - 14.15

**MAY 31**

**CARDIAC ARREST AND MAJOR CARDIAC COMPLICATIONS**

Chairpersons: **G. Ristagno, F. Sangalli**

**Differences in clinical variables at hospital admission between patients with or without culprit lesion of acute myocardial infarction in refractory out-of-hospital cardiac arrest treated with extracorporeal cardiopulmonary resuscitation**  
F. Leidi, S. Righetti, I. Calchera, S. Tresoldi, P. Vandoni, M. Ballabio, M. Repishti, M. Sola, M. Lettino, A. Mauro, M. Pozzi, G. Redaelli, G. Foti

**Higher vasoactive support is associated with worse outcomes in patients admitted to the Intensive Care Unit (ICU) after resuscitated out-of-hospital cardiac arrest (OHCA)**  
A. Bagliani, A. Fasolino, S.M. Pontremoli, G. Stefanoni, F. Quilico, E. Sartori, C.N.J. Colombo, R. Primi, A. Currao, S. Bendotti, E. Contri, A. Palo, E. Baldi, S. Savastano, G. Tavazzi

**Persistent lactate elevation, but not hypotension, is associated with outcomes in patients admitted to the Intensive Care Unit (ICU) after out-of-hospital cardiac arrest (OCHA)**  
A. Fasolino, S.M. Pontremoli, A. Bagliani, F. Quilico, E. Ambrosini, R. Primi, A. Currao, S. Bendotti, E. Baldi, E. Contri, A. Palo, G. Tavazzi, S. Savastano

**Adequacy of selection criteria for e-CPR candidacy in out-of-hospital cardiac arrest: preliminary results from an Italian Tertiary Care Center**  
I. Steinberg, S. Zhang, G. Bosio, F. Collino, L. Brazzi, M. Zanierato

**Aortic counterpulsation in different cardiogenic shock phenotypes: results from a multicenter retrospective data collection**  
M. Erba, C.N.J. Colombo, V. Dammasa, P. Frederiks, F. Rossi, L. Patrini, M. Gallizzi, A. Sacco, M. Bottiroli, N. Morici, S. Price, G. Tavazzi



YELLOW HALL 3

FRIDAY MAY 31 | 13.15 - 14.15

MAY 31

**VENTILATION... TO BEDSIDE**

Chairpersons: G. Bellani, G. Foti

**Respiratory mechanics during HFNC and CPAP: crossover observational study in acute respiratory failure patients**  
G. Catozzi, S.E. Lari, A. Monte, E. Frascati, C. Rocco, S. Coppola, D. Chiumello

**Association between dynamic compliance and outcome in spontaneously breathing ARDS patients**  
S. Lassola, F. Cipulli, S. Miori, A. Sanna, G. Bellani

**Cardiogenic shock: different ventilation modalities and their impact in a contemporary, large, prospective registry of CS patients. Data from the Altshock-2 registry**  
A. Sacco, L. Patrini, A. Montisci, G. Tavecchia, S. Frea, D. Bernasconi, C.N.J. Colombo, S. Bertolin, G. Viola, L. Villanova, M. Briani, P.P. Bocchino, C. Sorini Dini, N. D'Ettore, M. Bertaina, M. Iannaccone, L. Potena, M. Metra, G. De Ferrari, F. Oliva, N. Morici, F. Pappalardo, G. Tavazzi

**A novel simple method for better estimating the end-inspiratory alveolar pressure during ongoing mechanical ventilation**  
A. Santini, L. Pugliese, G. Bellinzona, E. Costantini, M. Cecconi, A. Protti

**Mechanical power and fluid balance effects on lung gas volume**  
S. Giovanazzi, D. Nocera, V. Ghidoni, B. Donati, T. Pozzi, R. D'Albo, R.V. Nicolardi, F. Romitti, M. Busana, S. Gattarello, O. Mörer, L. Gattinoni

E-POSTER CORNER 1

Wednesday  
MAY 29DISCUSSION  
h. 13.00 - 14.30**ANESTHESIA 1**

Chairpersons: R. Monzani, T. Tonetti

- P 1** **Preoperative assessment program of frail patients scheduled for cardiac procedures: a single center experience**  
B. Fumagalli, M. Pozzi, M. Scanziani, D. Aliverti, S. Mariani, G. Redaelli, P. Vandoni, M. Lettino, G. Marchetto, G. Foti
- P 2** **Implementation of a Multimodal Prehabilitation program for patients undergoing major upper gastrointestinal surgery: the preliminary experience of the University of Florence Prehabilitation Center**  
F. Firenzuoli, L. Foti, F. Livi, F. Barbani, A.M. Durval, C. Fiorindi, C. Tognozzi, S. Amatucci, G.D. Testa, A. Ungar, F. Staderini, M. Cricchio, F. Cianchi, S. Romagnoli, G. Baldini
- P 3** **FKS and BAHA: it's not just a problem of acronyms! Case report of anaesthesiological and airway management in a patient with this rare syndrome**  
L. Brugiaferri, M. Ciuffreda, E. Pisello, L. Angelelli, A. Grilli, J. Silvestri, A. Federici, D. Aucone, D. Galante
- P 4** **Prognathism as a predictive factor for the ease of SpritzTube® placement in patients undergoing elective surgical procedures**  
S. De Rosa, D. Battaglini, A. Rigobello, L. Cattin, E. Bonaldi, C. Poli, A. Piccolo, S. Lassola, M. Primadei, P. Gennaro, A. Grassetto, F. Ferrari, N. Bianchi Bosisio, V. Danzi, S. Checcacci Carboni
- P 5** **The effects of hypotension predictive index on intraoperative hypotension events and duration during pancreatic surgery: a retrospective pre-post observational study**  
S. Rigo, E. Pagot, F. Piccioni, S. Del Grosso, F. Nisi, E. Giustiniano, M. Cecconi
- P 6** **Robotic surgery with different platforms: 2-year experience from a single center**  
A. Fioccola, A. Muscas, I. Fratti, A. Monte, E. Frascati, S. Mancusi, F. Panina, G. De Filipo, D. Chiumello
- P 7** **Robotic abdominoperineal resection (R-ARP) in a patient with ventriculoperitoneal shunt: a case report**  
F. Baggio, L. Guzzetti, E. Cocozza, L. Livraghi, G. Borroni, S. Megna, N. Porrelli, A. Bacuzzi
- P 8** **Perioperative management of robotic liver transplant, a case series**  
M. Tosi, I. Coloretti, G. Chierego, M. Girardis
- P 9** **General anaesthesia in interventional neuroradiology: effects on blood flow in cerebral aneurysm embolization**  
F.L. Grilli, F. Della Sala, F. Sbaraglia, C.T. Caputo, C. Cuomo, M. Costanzi, M. Rossi
- P 10** **Anaesthetic management of elderly patients with ischemic stroke undergoing mechanical thrombectomy**  
M. Valla, M.J. Polo Friz, S. Diamanti, F. Graziano, A. Galbiati, M. Amigoni, P.V. Gilardi, M. Piatti, S. Spinelli, L. Piergallini, M. Patassini, P.M. Santoro, C. Ferrarese, P. Remida, G. Citerio
- P 11** **Endotoxin activity assay and pro-inflammatory cytokines as a predictive index of cirrhotic cardiomyopathy**  
N. Fabrini, V. Zullino, S. Nieddu, D. De Bonis, M. Piazzolla, G. Monaco, F. Ruberto, F. Pugliese
- P 12** **Endotoxin activity assay: a biologic index to evaluate liver function during liver transplantation and a predictive index of post-transplant infections or post-transplant clinical complications**  
L. Lombardo, V. Zullino, G. Marino, G. Boileau, V. Iaccarino, B. Crocitti, M. Brisciani, F. Ruberto, F. Pugliese

## E-POSTER CORNER 2

Wednesday  
MAY 29

DISCUSSION  
h. 13.00 - 14.30

### MAJOR CARDIAC ADVERSE EVENTS: DIAGNOSIS AND TREATMENT

Chairpersons: A. Palo, M. Piastra

- P 13** Management and outcome of high-risk pulmonary embolism in Intensive Care units: results from a retrospective single-centre analysis  
A. Guglielmi, N.J.C. Colombo, L. Caneva, L. Perotti, F. Capra Marzani, M. Erba, F. Rossi, G. Tavazzi
- P 14** Systemic and pulmonary embolization through patent foramen ovale  
E. Intignano, C.N.J. Colombo, A. Valentini, A.M.C. Gallotti, L. Civardi, F. Mojoli, G. Tavazzi
- P 15** SAPS-2 score outperforms APACHE and SOFA scores in predicting outcomes after out-of-hospital cardiac arrest (OHCA)  
A. Bagliani, G. Stefanoni, A. Fasolino, S.M. Pontremoli, F. Quilico, L. Grazioli, A. Guglielmi, R. Primi, A. Currao, S. Bendotti, E. Contri, A. Palo, E. Baldi, S. Savastano, G. Tavazzi
- P 16** Extracorporeal Cardio-Pulmonary Resuscitation program: a single centre retrospective experience  
C. Ripa, M. Pozzi, E. Maggioni, B. Cortinovis, L. Galbiati, A. Annoni, G. Greco, A. Coppo, G. Redaelli, L. Avalli, G. Foti
- P 17** Timing for epinephrine administration in adult in-hospital cardiac arrest (IHCA): comparative analysis between AHA and ERC Guidelines  
V. Di Nardo, M. Scimmi, M. Camuzzi, L. Di Nardo, A. Capraro
- P 18** The association between neutrophils variation and electroencephalographic pattern in patients with out-of-hospital cardiac arrest  
G. Carenini, M. Pozzi, A. Magliocca, M. Normanno, I. Mariani, F. Gaiani, S. Gatti, F. Rabboni, G. Redaelli, E. Rezoagli, G. Foti
- P 19** Left atrial pump mechanism during cardiopulmonary resuscitation  
A. Volontè, L. Tagliaferri, C.S. Dinale, A. Danieli, F. Cestana, M. Garbagnati, M. Bellotti, R. Colombo, E. Catena
- P 20** Adrenergic drugs administration in cardiogenic shock: results from a perspective data collection  
F. Rossi, C.N.J. Colombo, L. Patrini, A. Fasolino, E. Gremi, E.V. Dimino, E. Intignano, R. Camporotondo, G. Tavazzi
- P 21** Acute-on-chronic heart failure leading to cardiogenic shock: any role for intra-aortic balloon pump? Results from a multicenter retrospective data collection  
A. Guglielmi, C.N.J. Colombo, A. Sacco, V. Dammassa, P. Frederiks, M. Erba, R. Camporotondo, N. Morici, S. Price, M. Bottiroli, G. Tavazzi
- P 22** Prognostic role of lung ultrasound in cardiogenic shock patients: a prospective registry study  
L. Patrini, C.N.J. Colombo, A. Sacco, N. Morici, F. Pappalardo, M. Briani, M. Bertaina, S. Frea, G. Tavazzi
- P 23** Fatal cardiogenic shock in severe myocardial hypertrophy due to primary hyperparathyroidism  
B. Clivio, I. Damiani, M. Piccolomo, F. Marrazzo, C.M. Aquilano, O. Belli, G. Casella, L. Faraldi, R. Fumagalli
- P 24** A case of Takotsubo syndrome in a smoker with rhinovirus pneumonia  
A. Innocenti, S. Tantillo, F. Benvenuti, M. Guarnera, I. Ottaviani, N. Cilloni

## E-POSTER CORNER 3

Wednesday  
MAY 29

DISCUSSION  
h. 13.00 - 14.30

### CLINICAL CASES

Chairpersons: L. Berra, M. Sorbello

- P 25** The importance of log roll and digital rectal examination should never be underestimated when perineal trauma is suspected. A case report.  
M. Sutton, F. Grandini, S. Mongodi, C. Lo Coco, L. Civardi, S. Natoli, F. Mojoli
- P 26** Propofol-related infusion syndrome (PRIS) following trauma: a case report of multisystemic dysfunction in a young patient  
A. Pagan, C. Forlini, I. Giovannini, F. Marrazzo, M. Ferrari, V. Punzi, R. Fumagalli
- P 27** First reaction to gunshot: not shock  
C. Palandri, S. Perletti, A. Marino, F. Fabretti
- P 28** Thoracic trauma severity score in a patient with blunt chest trauma: a tool for clinical decision making  
M. Larghi, M. Leone, R. Iorio, J. Fumagalli, M.G. Pitre, F. Bottazzini, M. Cimino, N. Bottino, G. Grasselli
- P 29** Iatrogenic cerebral venous air embolism: a case report  
M.C. Laganà, M. Hurpet, G. Sala, G.M. Mazza, A. Guglielmi, A. D'Arcamo, C. Belotti, G. Tavazzi, F. Mojoli, F. Sciutti, M. Pagani
- P 30** Was the totally implantable central venous catheter left for too long? A clinical case of superior vena cava syndrome  
B. Soares Nunes, P. Batarda Sena, F. Côrte-Real, L. Gouveia, W. José, R. Mendonça, G.F. Silva, J.J. Nóbrega
- P 31** Management of capillary leak in a critically ill patient with refractory septic shock: is there a role for biomarkers – and namely MR-Pro-Adrenomedullin - monitoring? A case report  
R. Traversi, C. Bonetto, M. Pignataro, G. Sales, L. Vay, G. Montrucchio, L. Brazzi
- P 32** Navigating the maze of idiopathic pleuroparenchymal fibroelastosis: a case study on diagnostic complexity and therapeutic challenges in intensive care  
P. Batarda Sena, F. Coelho, G. Almeida
- P 33** Ultrasound diaphragmatic dysfunction and role of extra-diaphragmatic muscles associated with cervical septic arthritis: a case report  
A. Menozzi, C. Boldrin, P. Formenti, G. Sabbatini, M. Gotti, L. Foggetti, F. Vetrone, F. Palmieri, A. Galimberti, A. Pezzi
- P 34** Pheochromocytoma in pregnancy, diagnosis and management: a case report and a literature review  
R. Lamastra, S. Poma
- P 35** Case report: Baclofen intoxication after misplacement of intrathecal infusion catheter  
A. Natalizi, F. Feliziani, M. Bellucci, A. Giacomucci
- P 36** Management of a patient with haemophilia B receiving ECMO for severe respiratory failure: a case report  
F. Momigliano, K. Musa, K. Williams, L. Giosa, E. Tomarchio, P.D. Collins, C. Meadows, A. Retter, M.R. Peralta, J. James, N. Barrett, L. Camporota

## E-POSTER CORNER 1

Thursday  
MAY 30

## DISCUSSION

h. 13.00 - 14.30

## ACID-BASE EQUILIBRIUM: THE ROLE OF LUNG AND KIDNEY

Chairpersons: L. Ball, T. Langer

- P 37** Severe acidosis in the Intensive Care Unit: a single-center, retrospective study  
F. Baccoli, B. Brunoni, F. Zadek, G. Casella, R. Giudici, R. Fumagalli, T. Langer
- P 38** Ventilatory response to metabolic acid-base disorders: predicting arterial PCO<sub>2</sub> from a single equation  
F. Baccoli, B. Brunoni, F. Zadek, R. Fumagalli, T. Langer
- P 39** Acid-base equilibrium during continuous veno-venous renal replacement therapy  
I. Sironi, B. Brunoni, F. Zadek, F. Mulazzani, R. Giudici, T. Langer, R. Fumagalli
- P 40** Extracorporeal blood purification with Oxiris® membrane in real world clinical practice: a multicenter observational study from the OxirisNet registry  
G. Villa, A. Fioccola, M. Cecchi, C. Scirè Calabrisotto, D. Pomarè Montin, S. De Rosa, G. Scoccia, A. Manno, L. Tofani, C. Santorsola, F. Patera, A. Capitanini, M.V. Resta, F. Ferrari, M. Greco, F. Rossi, Z. Ricci, C. Ronco, S. Romagnoli
- P 41** Effects of pneumoperitoneum and Trendelenburg positioning on blood pH and strong ion difference in robotic surgery  
M. Pitimada, T. Pozzi, A. Monte, S. Coppola, D. Chiumello
- P 42** Kidney INSTant monitorinG (K.I.N.G.®): a new diagnostic tool for urine investigation of surgical and ICU patients  
I. Mattei, V. Giglioni, G. Baldini, G. Villa, L.M. Titherington, F. Peyronel, Z. Ricci, F. Barbani, L. Foti, G. Lascialfari, S. Romagnoli
- P 43** Non hyperlactatemic metabolic acidosis in abdominal sepsis. AKI or non-AKI? The role of a new point-of-care urine analyser: Kidney INSTant monitorinG (KING®)  
V. Giglioni, L.M. Titherington, I. Mattei, F. Peyronel, G. Baldini, G. Villa, Z. Ricci, F. Barbani, L. Foti, G. Lascialfari, S. Romagnoli
- P 44** Free water deficit calculation in hyperglycemic hyperosmolar state (HHS) patient with oliguria  
C. Mollica, A. Bonifazi
- P 45** Fluid boluses and infusions in the early phase of resuscitation from septic shock: a retrospective report and outcome analysis from a tertiary hospital  
A. Messina, M. Albin, N. Samuelli, A. Brunati, E. Costantini, G. Lionetti, M. Lubian, G.M. Matronola, F. Piccirillo, M. Cecconi
- P 46** Short-term effects on urinary output and electrolyte excretion of mannitol versus furosemide administration  
G. Catozzi, M. Chioccola, F.F. Cucinotta, B. Donati, S. Giovanazzi, V. Ghidoni, M. Galizia, T. Pozzi, M. Busana, S. Gattarello, D. Chiumello, P. Caironi, L. Gattinoni
- P 47** Ammonium (NH<sub>4</sub><sup>+</sup>): a new biomarker of renal tubular function? Investigation in healthy volunteers and renal transplant patients  
L.M. Titherington, I. Mattei, V. Giglioni, F. Peyronel, G. Baldini, G. Villa, Z. Ricci, F. Barbani, L. Foti, G. Lascialfari, S. Romagnoli
- P 48** Urinary cell-cycle arrest biomarkers for prediction of acute kidney injury following orthotopic liver transplant  
S. Di Pellegrino, F. Cappelli, G. Cirillo, A. Bolchini, F. Balestrieri, D. Dondossola, G. Grasselli, V. Scaravilli

## E-POSTER CORNER 2

Thursday  
MAY 30

## DISCUSSION

h. 13.00 - 14.30

## INFECTIONS

Chairpersons: S. Mongodi, G. Monti

- P 49** Infection control in the ICU, from theory to practice: how to apply international infection control practices to the critical care setting – a preliminary experience of a multiprofessional group  
R. Sammartano, F. Grillo, B. Picco, I. Notario, L. Viero, M.G. Angioni, L. Canale, G. Finotto, E. Frassinelli, C. Silvestre, L. Brazzi, G. Montrucchio
- P 50** From fever to fatality: the urgent need for early diagnosis and treatment in fulminant pneumococcal infection  
F. Côte-Real, B. Soares Nunes, P. Batardea Sena, A.M. Mota, G.F. Silva, J.J. Nóbrega
- P 51** Pneumonia and respiratory failure after chemotherapy: never overlook *Pneumocystis jirovecii*  
S. Tantillo, F. Benvenuti, L. Giuntoli, I. Ottaviani, M. Guarnera, F. Talarico, N. Cilloni
- P 52** Early identification of sepsis and septic shock in Intensive Care Unit: possible use of a gene expression assay compared to traditional biomarkers – a pilot case series  
L. Vay, C. Rizzo, F. Sciascia, R. Traversi, L. Rodigari, G. Montrucchio, G. Sales, L. Brazzi
- P 53** Sepsis after cardiac surgery: preliminary analysis of cytokines gene expression  
R.P. Radice, G. Martelli, M. D'Amora, P. Dambruoso, D. Paparella, R. Mandarano, G. Olivo, M. Scolaro, D. Sarubbi, A. Strumia, M. Calabrese, A. Scarpigliati, F. Greco, M. Nardi, S. Beccaria, A. Costamagna, L. Brazzi, P. Raimondo, G. Paternoster
- P 54** Insights from a large cohort of critically ill patients with idiopathic systemic capillary leak syndrome  
A. Danieli, M. Bellotti, C.S. Dinale, F. Cestana, M. Garbagnati, L. Tagliaferri, A. Volontè, T. Lanzi, F. Cirigliano, M.A. Wu, R. Colombo
- P 55** Different formulations of norepinephrine, what a mess! Experience with norepinephrine tartrate in septic shock  
G. Cirillo, F. Cappelli, M. Larghi, R. Venco, A. Pescò, S. Crotti, M. Panigada, G. Grasselli
- P 56** Assessment of oXiris membrane adsorption towards Linezolid during extracorporeal circulation: implications for optimizing antibiotic therapy in critically ill patients  
A. Lorenzin, F. Cundari, M. De Cal, M. Zanella, C. Ronco, N. Perin, S. Lassola, S. De Rosa
- P 57** Traversing the diagnostic labyrinth: the lethal outcome of chronic granulomatous meningitis  
P. Batardea Sena, M. Ferro, A. Mestre, J. Cabrita, C. Pontinha, C. Oliveira, M. Fernandes, A. Mestre, L. Bento
- P 58** Surveillance for *C. auris* and clinical impact in infectious therapy: is the monster still scary?  
L. Rodigari, I. Massa, S. Zuccolin, E. Giusano, V. Sanna, F. Grillo, R. Traversi, G. Sales, A. Costamagna, S. Corcione, A. Curtoni, V. Fanelli, G. Montrucchio, L. Brazzi
- P 59** Clinical-histopathological correlation of myocardial injury in severe COVID-19  
A.P. Merli, L. Tagliaferri, M. Garbagnati, F. Cestana, C.S. Dinale, M. Bellotti, A. Danieli, M.A. Wu, E. Catena, M. Nebuloni, R. Colombo
- P 60** Biomarkers trajectories in critically ill patients with COVID-19: a latent class growth analysis  
F. Madotto, G. Florio, F. Ferrari, E. Carlesso, V. Vago, F. Balestrieri, S. Di Pellegrino, C. Ferraris Fusarini, E. Trombetta, A. Zanella, G. Grasselli

## E-POSTER CORNER 3

Thursday  
MAY 30

DISCUSSION

h. 13.00 - 14.30

## PROBLEMS OCCURRING IN ICU

Chairpersons: T. Mauri, M. Raimondi

- P 61** ECMO referral characteristics and use of prone position during and after the COVID-19 pandemic in the South East of England  
Y. Charavanamuttu, P. Collins, T.T.W. Hla, F. Momigliano, E. Tomarchio, L. Giosa, V. Camarda, N. Barrett, L. Camporota
- P 62** Haemodynamic features and clinical presentation in cardiogenic shock treated with VA-ECMO: results from a monocentric perspective data collection  
M. Erba, C.N.J. Colombo, A. Guglielmi, C. Lo Coco, L. Civardi, L. Caneva, E. Arisi, M. Pozzi, L. Perotti, R. Puce, G. Tavazzi
- P 63** The impact of blood cell salvage on transfusion requirements after decannulation from veno-venous extracorporeal membrane oxygenation: an emulated trial analysis  
V. Camarda, B. Sanderson, N. Barrett, P. Collins, B. Garfield, L. Gattinoni, L. Giosa, T.T.W. Hla, R. Keogh, C. Laidlaw, F. Momigliano, B. Patel, A. Retter, E. Tomarchio, L. Rose, L. Camporota
- P 64** Antithrombin and D-Dimer levels according to bleeding and thrombosis events at ECMO initiation  
A. Doyle, B. Sanderson, P. Collins, L. Giosa, N. Barrett, A. Retter, L. Camporota
- P 65** Case report: malignant cerebral edema in VA-ECMO  
L. Grazioli, F. Repposi, L. Perotti, C. Lo Coco, G. Maggio, R. Camporotondo, C. Pellegrini, F. Mojoli, G. Tavazzi
- P 66** Reducing the energy demand through the use of a multiorgan extracorporeal support: a new treatment perspective on septic shock?  
B. Donati, S. Giovanazzi, V. Ghidoni, G. Catozzi, D. Nocera, M. Galizia, M. Busana, S. Gattarello, F. Romitti, M. Quintel, T. Bingold, O. Mörer, K. Meissner, L. Gattinoni
- P 67** Does body mass index impact mortality in hospitalized critically ill patients in the ICU?  
F. Côrte-Real, J. Carvão, A.M. Mota, G.F. Silva, J.J. Nóbrega
- P 68** Predictive equations compared to indirect calorimetry to measure resting energy expenditure in ICU patients  
A. Choc, R. Vacchelli, G. Barra, V. Russotto, P. Caironi
- P 69** GLIM criteria for the diagnosis of malnutrition in critically ill patients: an observational study  
N. Sbrenna, T. Foggi Viligiardi, F. De Litteris, F. Finocchi, D. Ostento, G. Bonassi, T. Brusca, F. Barbani, S. Romagnoli
- P 70** Neurointensive Care in Lombardia: a step ahead in the definition of a regional network  
M. Polo Friz, A. Guglielmi, F. Graziano, M. Valla, D. Archi, L. Cabrini, A. Chierogato, A. Coppo, A. Dell'Acqua, P. Fassini, E. Galassini, M. Gemma, E. Grappa, P. Gritti, P. Mangili, S. Muttini, M. Nguyen, M. Pagani, C. Panzeri, F. Rasulo, F. Sangalli, F. Villa, S.M. Zerbi, T. Zoerle, G. Citerio
- P 71** Revisiting Sorrentino's ICP threshold in a tertiary center twelve years later  
M. Ratti, D. Corbella, G. Lando, S. Aresi, A. Viscone, G. Dell'Avanzo, S. Martchenko, M. Aliprandi, M. Di Matteo, F. Biroli, A. Lanterna, P. Gritti, F.L. Lorini
- P 72** Revolutionizing neurointensive care: building and validating the BLANDISH algorithm for improved outcomes in spontaneous intracranial hemorrhage  
F. Guzzo, R. Maj, G. Lombardi, C. Barberio, M. Fedrizzi, M. Tozzi, A. Dell'Acqua, G. Landoni, L. Beretta

## E-POSTER CORNER 1

Friday  
MAY 31

DISCUSSION

h. 13.00 - 14.30

## ANESTHESIA 2

Chairpersons: H. Amirfarzan, A. De Gasperi

- P 73** Impact of goal-directed perfusion on cardiac surgery-associated kidney injury: a before and after study  
J. Loeb, V. Montana, A. Carillion, A. Hirwe, P. Dureau, N. Djavidi, A. Lancelot, P. Leprince, G. Lebreton, G. Hariri, A. Bouglé
- P 74** Cardiovascular stress modulation by the autonomic nervous system during carotid thromboendarterectomy  
F. Cestana, V. Palmaverdi, B. Lazzari, L. Tagliaferri, M. Garbagnati, M. Bellotti, C.S. Dinale, A. Danieli, E. Catena, R. Colombo
- P 75** Effects of a non-pharmacological sedation model on cardiovascular stress during subarachnoid anesthesia: a pilot prospective randomized study  
C.S. Dinale, B. Lazzari, V. Palmaverdi, L. Tagliaferri, M. Garbagnati, M. Bellotti, A. Danieli, F. Cestana, E. Catena, R. Colombo
- P 76** Erector spinae block in intraoperative and postoperative pain control in esophageal atresia surgery: an analysis of effectiveness and benefits  
M. Cavagnino, M. Sciurri, G. Maiolo, V. Mossetti, A. Conio, S. Quaglia
- P 77** Multimodal analgesic strategy in lumbar microdiscectomy using erector spinae block: a case report  
A. Stanco, K. Canavesi, E. Ferrari, M. Di Felicianantonio, N. Stocchetti
- P 78** Pain control after posterior spinal fusion surgery: epidural vs. PCA analgesia  
K. Canavesi, E. Ferrari, M. Di Felicianantonio, A. Stanco, M. Pluderi, S. Borsa, N. Stocchetti
- P 79** ESP block for low back pain after open repair of abdominal aortic aneurysm: a pilot study  
A. El Ayek, F. Nisi, E. Giustiniano, F. Dalla Corte, F. Coffaro, E. Civilini, F. Piccioni, M. Cecconi
- P 80** Anticipated intercostal percutaneous cryoanalgesia for Nuss procedure reduces opioid consumption and length of hospital stay: a retrospective single center preliminary study  
S. Mariconti, I. Pelliccioli, A. Bronco, S. Bragagnolo, S. Scarpino, M. Cheli

## E-POSTER CORNER 2

Friday  
MAY 31DISCUSSION  
h. 13.00 - 14.30

## MISCELLANEA

Chairpersons: A. Messina, G. Monti

- P 81** Accuracy of the passive leg raising test using the perfusion index to identify preload responsiveness in a resource-limited setting  
M. Casazzo, A. Nompleggio, R. Alam, M.A. Sattar, S.J. Lee, M. Mukaka, K. Srinamon, M. Dondorp, A.K. Dutta, M.J. Schultz, A. Ghose, A. Dondorp, K. Plewes, L. Pisani
- P 82** Suprasternal aortic velocity peak variability and internal jugular vein collapsibility to predict fluid-responsiveness in healthy volunteers: a pilot prospective study  
C. Santonocito, S. Messina, G. Bonelli, A. Caruso, M. Zawadka, S. Tigano, F. Merola, F. Sanfilippo
- P 83** Case study: Non-penetrating BCVI and injury mechanisms. Are Denver criteria too restrictive?  
V. Prussiani, A. Francione, M. Bertoli, R. Melgari, M. Cassi, C. Lauretta, S. Di Marco, F.O. Valoti
- P 84** ICU E-Book: interprofessional training strategy and onboarding in Intensive Care Unit, a pilot project  
S.G. Scaglia, S. Longo, R. Arioli, L. Cellura, C. Bernini, R. Francese, M. Cesari, G. Meda
- P 85** Comparative analysis of symptom checkers, AI, and clinicians in medical diagnosis in emergency department: a prospective observational study  
A. Homenko, A. Lazdane, K. Šetlers
- P 86** DICO® 1000, a newly developed Augmentative Alternative Communication device for voiceless patients. Preliminary results in healthy volunteers  
M. Codara, M. Argenziano, S. Brambilla, V. Spedale, G. Bellani, D.L.L. Ausili, M. Luciani, D. Fabrizi
- P 87** A secondary retrospective analysis of the predictive value of activated neutrophils (NEUT-RI) in septic and non-septic patients in intensive care  
A. Menozzi, P. Formenti, L. Isidori, M. Iezzi, S. Pastori, V. Roccaforte, F. Vetrone, L. Foggetti, M. Gotti, A. Pezzi

## E-POSTER CORNER 3

Friday  
MAY 31DISCUSSION  
h. 13.00 - 14.30

## VENTILATION

Chairpersons: C. Gregoretti, G.A. Iotti

- P 88** Do filters impact humidity level within helmet-CPAP powered by Venturi system? Insights from a bench top study  
M. Delle Vergini, C. Antonacci, E. Colombo, I. Kourkoutas Borghi, G. Turra, M. Giani, E. Rezoagli, G. Foti, A. Lucchini
- P 89** Impact of aerosol therapy on breathing filters during noninvasive ventilation: a bench study  
A. Restivo, A. Lucchini, P. Fragnelli, L. Monaco, A. Nicodemo, M. Pellegatta, V. Saraceno, G. Foti, E. Rezoagli
- P 90** Physiological effects of helmet vs. facemask noninvasive ventilation in hypoxemic respiratory failure  
M. Mondello, T. Rosà, R. Del Signore, N. Volpe, C. Mastropietro, C. Iacovelli, T. Michi, L. Delle Cese, L. Menga, S. Carelli, A.M. Dell'Anna, S.L. Cutuli, G. De Pascale, M. Antonelli, D.L. Grieco
- P 91** Evaluation of Venturi devices for CPAP application in emergency settings  
M. Monfroni, F. Cundari, L. Tessieri, I. Corda, R. Cosentino, F. Dazzi, G. Cucciolini, S. Lassola, F. Forfori, F. Corradi
- P 92** Is SpO<sub>2</sub>/FiO<sub>2</sub> a surrogate of PaO<sub>2</sub>/FiO<sub>2</sub> in ARDS assessment?  
M. Galizia, D. Nocera, B. Donati, G. Catozzi, S. Giovanazzi, R. D'Albo, T. Pozzi, F. Collino, M. Busana, S. Gattarello, O. Mörer, L. Gattinoni
- P 93** Target of transpulmonary pressure to prevent expiratory lung collapse and cyclic opening-closing  
A. Barbisoni, R. Costa Couto, M. Giacosa, D. Agnoletti, A. Orlando, E. Arisi, M. Pozzi, S. Mongodi, F. Mojoli
- P 94** Corrected esophageal pressure to reliable estimate pleural pressure: a study in a model of eviscerated chest  
G. Florio, E. Carlesso, F. Madotto, F. Mojoli, L. Vivona, M. Battistin, C. Minaudo, V. Vago, S. Di Pellegrino, G. Grasselli, A. Zanella
- P 95** Lung superimposed pressure in pediatric acute respiratory distress syndrome  
M. Maxenti, A. Giardina, L. Ball, M.B. Damasio, A. Moscatelli
- P 96** Airway management in paediatric patients with caustic soda ingestion: the EMERGENCY experience in Sierra Leone  
C. Sansovini, N. D'Alba, M. Macarthy
- P 97** Is lidocaine useful in extubation in intensive care?  
S. Geppert, S. Tantillo, F. Talarico, I. Farinelli, M. Guarnera, F. Benvenuti, N. Cilloni
- P 98** Image recognition during bronchoscopy: development of a neural network-based software and its application for training purposes  
B. Brunoni, F. Pampurini, M. Vettorello, F. Baccoli, V. Palladio, F. Zadek, T. Langer, R. Fumagalli
- P 99** Comparison of the articulating video-stylet with other four devices for intubation in a simulated airway scenario with increased difficulty: a simulation study in consultants with no prior experience  
F. Merola, S. Messina, C. Santonocito, M. Sanfilippo, G. Sanfilippo, F. Lombardo, A. Bruni, E. Garofalo, P. Murabito, F. Sanfilippo

# EDUCATIONAL COURSES

## Faculty

**Aloisio T.**, Milano (I)  
**Antonelli M.**, Roma (I)  
**Bambi S.**, Firenze (I)  
**Bertini P.**, Pisa (I)  
**Bulleri E.**, Lugano (CH)  
**Caironi P.**, Torino (I)  
**Cislaghi F.**, Milano  
**Colombo D.**, Milano (I)  
**Conti G.**, Roma (I)  
**Duska F.**, Prague (CZ)  
**Farinaccio A.**, Roma (I)  
**Foti G.**, Monza (I)  
**Fusi C.**, Lugano (CH)  
**Galazzi A.**, Milano (I)  
**Gattinoni L.**, Goettingen (D)  
**Giani M.**, Monza (I)  
**Giosa L.**, London (UK)  
**Gregoretti C.**, Palermo (I)  
**Iapichino G.**, Milano (I)  
**Iotti G.A.**, Pavia (I)  
**Langer T.**, Milano (I)  
**Lucchini A.**, Monza (I)  
**Minotti D.**, Monza (I)  
**Navalesi P.**, Padova (I)  
**Nava S.**, Bologna (I)  
**Radrizzani D.**, Legnano - Milano (I)  
**Ranieri V.M.**, Bologna (I)  
**Rubino A.**, Cambridge (UK)  
**Russotto V.**, Torino (I)  
**Sanfilippo F.**, Catania (I)  
**Sangalli F.**, Sondrio (I)  
**Tavazzi G.**, Pavia (I)  
**Van Regenmortel N.**, Antwerp (B)  
**Zadek F.**, Milano (I)  
**Zanello M.**, Bologna (I)

- Corso Teorico-Pratico **VAM 2024 I FONDAMENTALI DELLA VENTILAZIONE MECCANICA**  
**27-28 MAGGIO 2024**
- Corso Teorico-Pratico **ITACTAIC BEST - CERTIFICAZIONE IN ECOCARDIOGRAFIA TRANSESOFOGEEA BASIC**  
**27-28 MAGGIO 2024**
- Interactive Theoretical-Practical Course **ACID-BASE EQUILIBRIUM: TO REMEMBER YOU NEED TO UNDERSTAND...**  
**MAY 28, 2024**
- Corso **COME TRATTARE IL PAZIENTE MALNUTRITO/ CATABOLICO: UNA QUESTIONE MISCONOSCIUTA DI SOPRAVVIVENZA**  
**29 MAGGIO 2024**
- Corso Teorico-Pratico **NURSING UPDATE VENTILAZIONE MECCANICA PER INFERMIERI**  
**30 MAGGIO 2024**

Lingue: Italiano e/o Inglese, senza traduzione simultanea  
Languages: Italian and/or English, no simultaneous translation

Corso Teorico-Pratico **VAM 2024**

## I FONDAMENTALI DELLA VENTILAZIONE MECCANICA

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

### GREEN HALL 2-3

#### Lunedì 27 Maggio

- 8.30 REGISTRAZIONE DEI PARTECIPANTI
- 8.45 **Pump failure e lung failure: cause di insufficienza respiratoria acuta**
- Polmone - *M. Antonelli*
  - Vie aeree - *S. Nava*
  - Cuore - *G. Foti*
  - Sistema nervoso e muscoli - *P. Navalesi*
- 10.15 COFFEE BREAK
- 10.45 **Supporto ventilatorio totale: modalità controllate**
- Volume - *G.A. Iotti*
  - Pressione - *C. Gregoretti*
- 11.30 **Il circuito del ventilatore**
- Umidificazione - *G. Conti*
  - Nebulizzazione - *G. A. Iotti*
- 12.00 **Supporto ventilatorio parziale: modalità assistite**
- L'approccio USA: l'Assistita-Controllata - *G.A. Iotti*
  - L'approccio Europeo: il Pressure Support - *G. Conti*
- 13.00 SNACK LUNCH
- 14.00 **Supporto ventilatorio parziale: altre modalità assistite**
- Intermittent Mandatory Ventilation (IMV) - *G.A. Iotti*
  - Bilevel / Airway Pressure Release Ventilation (APRV) - *G. Foti*
- 14.40 **Valutazione della meccanica respiratoria passiva**
- Resistenza e AutoPEEP - *G.A. Iotti*
  - Compliance - *G. Foti*
- 15.30 **INCONTRO CON GLI ESPERTI**  
Esercitazioni pratiche a rotazione  
Parte 1 - 4 Workstation - *Tutti i docenti*
- 18.00 CHIUSURA DELLA GIORNATA

#### Martedì 28 Maggio

- 8.30 **La ventilazione non invasiva**
- I ventilatori, i circuiti, le interfacce - *C. Gregoretti*
  - Le indicazioni - *M. Antonelli*
- 10.00 **Lavorare sul polmone malato con le pressioni: caso clinico (ventilazione protettiva, PEEP, curva pressione-volume e reclutamento)**  
*G. Foti, C. Gregoretti*
- 11.00 COFFEE BREAK
- 11.30 **Supporto ventilatorio totale: modalità controllate**
- ARDS e VILI - *V.M. Ranieri*
- 12.00 **Come ventilo il paziente ostruttivo: caso clinico di stato di male asmatico**  
*M. Antonelli, G. Conti, S. Nava, P. Navalesi*
- 12.45 **Riduzione del carico ventilatorio: ruolo della LF-ECCO<sub>2</sub>-R** - *V.M. Ranieri*
- 13.05 SNACK LUNCH
- 14.00 **Il weaning** - *S. Nava*
- 14.30 **L'estubazione** - *P. Navalesi*
- 15.00 **INCONTRO CON GLI ESPERTI**  
Esercitazioni pratiche a rotazione  
Parte 2 - 3 Workstation - *Tutti i docenti*
- 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 due pomeriggi.

Corso Teorico-Pratico

## ITACTAIC BEsT - CERTIFICAZIONE IN ECOCARDIOGRAFIA TRANSESOFOGEEA BASIC



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

### ORANGE HALL 1

#### Lunedì 27 Maggio

- 8.30 REGISTRAZIONE DEI PARTECIPANTI
- BASI DI ECOCARDIOGRAFIA TRANSESOFOGEEA**
- 9.00 **Presentazione del Corso**  
*F. Sangalli*
- 9.15 **Fisica degli ultrasuoni, impostazioni dell'ecografo, artefatti**  
*T. Aloisio*
- 9.45 **L'esame BEsT: anatomia e proiezioni**  
*F. Sangalli*
- 10.30 COFFEE BREAK
- 10.45 **HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici**  
*T. Aloisio, F. Cislighi, F. Sangalli, G. Tavazzi*
- 13.00 PAUSA PRANZO
- 14.00 **Il ventricolo sinistro: funzione sistolica e diastolica**  
*F. Sanfilippo*
- 14.30 **Il ventricolo destro: funzione sistolica e diastolica**  
*G. Tavazzi*
- 15.00 **Calcoli emodinamici e valutazione della volemia**  
*T. Aloisio*
- 15.30 BREAK
- 15.45 **HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici**  
*T. Aloisio, F. Cislighi, F. Sanfilippo, G. Tavazzi*
- 18.00 CHIUSURA DELLA GIORNATA

#### Martedì 28 Maggio

#### APPLICAZIONI TEE NEL PAZIENTE CRITICO (CASE-BASED LEARNING)

- 9.00 **Warm-up: casi clinici sulle presentazioni del primo giorno**  
*F. Sangalli, F. Sanfilippo*
- 9.30 **Valvulopatie: le basi**  
*A. Farinaccio*
- 10.00 **Sindromi aortiche acute**  
*F. Cislighi*
- 10.30 COFFEE BREAK
- 10.45 **HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici**  
*T. Aloisio, A. Farinaccio, F. Sangalli, F. Sanfilippo*
- 13.00 PAUSA PRANZO
- 14.00 **Arresto cardiaco ed E-CPR**  
*F. Sangalli*
- 14.30 **Valutazione ecodinamica quotidiana nel paziente critico**  
*F. Sanfilippo*
- 15.00 **TEE nell'ipertensione polmonare acuta e cronica**  
*G. Tavazzi*
- 15.30 BREAK
- 15.45 **HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici**  
*F. Cislighi, A. Farinaccio, F. Sanfilippo, G. Tavazzi*
- 17.15 **Valutazione finale**
- 18.00 CHIUSURA DEL CORSO

Con il contributo non condizionante di



**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.

Il programma ITACTAIC BEsT rappresenta una CERTIFICAZIONE DI COMPETENZA IN ECOCARDIOGRAFIA TRANSESOFOGEEA BASIC e si articola in quattro momenti: Corso teorico-pratico, Valutazione teorico-pratica, Percorso di tutorato per l'esecuzione di esami BEsT normali e patologici con compilazione di un logbook e revisione di clip, Conferimento della Certificazione di Competenza. Maggiori dettagli sono disponibili al sito [www.itactaic.org/itactaic-best/](http://www.itactaic.org/itactaic-best/)

Interactive Theoretical-Practical Course

**ACID-BASE EQUILIBRIUM: TO REMEMBER YOU NEED TO UNDERSTAND...**Course Director: **L. Gattinoni** | Max 80 participants**GREEN HALL 1****Tuesday May 28**

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

Unrestricted grant of **werfen**

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://pollev.com/thomaslanger673>

Corso

**COME TRATTARE IL PAZIENTE MALNUTRITO/CATABOLICO: UNA QUESTIONE MISCONOSCIUTA DI SOPRAVVIVENZA**Board Scientifico: **G. Iapichino, D. Radrizzani, M. Zanello** | Numero chiuso, max 20 partecipanti**MEETING HALL 1****Mercoledì 29 Maggio**

8.30	REGISTRAZIONE DEI PARTECIPANTI
9.00	<b>Il Corso affronterà le seguenti tematiche in sessione interattiva* con i partecipanti:</b>  - Analisi e commento di recenti lavori di rilevanza clinica  - Analisi e discussione delle risposte al questionario  - Discussione collegiale di quesiti, scenari e dubbi clinici
13.30	CHIUSURA DEL CORSO

\* **SESSIONE INTERATTIVA:** le tematiche verranno affrontate presentando e discutendo scenari, problematiche, dubbi e quesiti che i partecipanti si sono trovati ad affrontare nella pratica clinica e che desiderino condividere. A questo scopo, se ne richiede l'invio a: [iapicobis@gmail.com](mailto:iapicobis@gmail.com) e/o a [smart@startpromotion.it](mailto:smart@startpromotion.it) (con una descrizione minima dello scenario o problematica) almeno 30 giorni prima dell'inizio del Corso, per una opportuna preparazione per la discussione.



Corso Teorico-Pratico **NURSING**

**UPDATE VENTILAZIONE MECCANICA PER INFERMIERI**

Direttore del Corso: **A. Lucchini** | Numero chiuso, max 35 partecipanti

**WHITE HALL 1**

**Giovedì 30 Maggio**

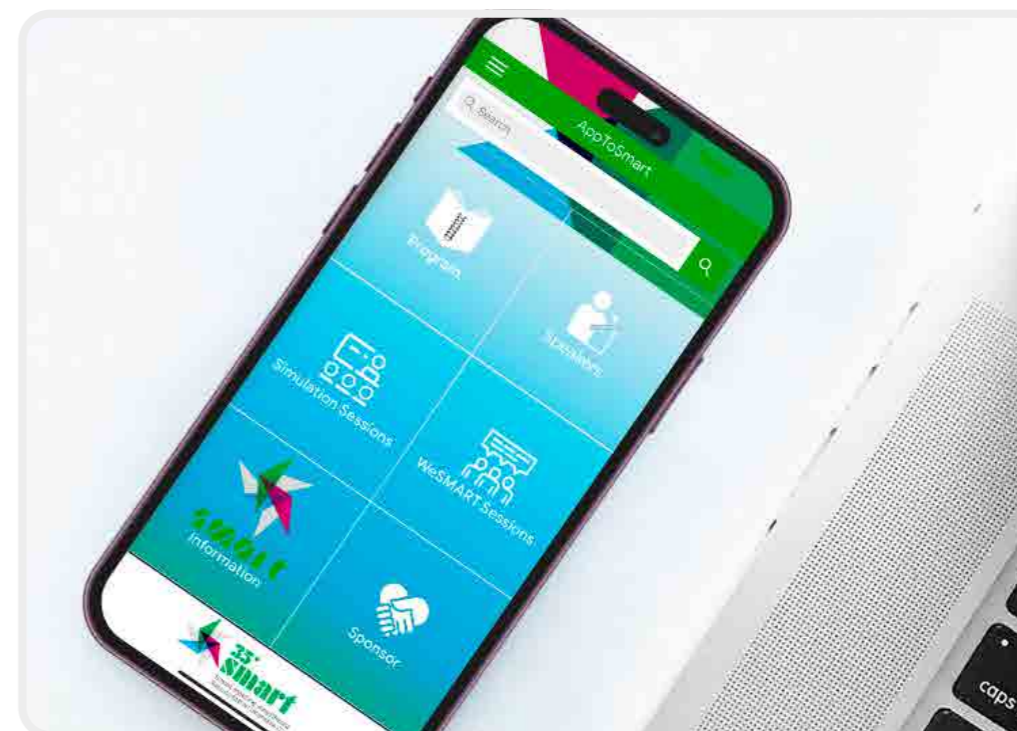
8.30	REGISTRAZIONE DEI PARTECIPANTI	<b>IN TERAPIA INTENSIVA</b>
9.00	<b>Introduzione e presentazione del Corso</b>	14.30 <b>Monitoraggio grafico durante ventilazione controllata</b> <i>C. Fusi</i>
9.15	<b>Start test interattivo</b>	15.15 <b>Awake and standard prone position</b> <i>D. Minotti</i>
9.30	<b>Concetti chiave di ventilazione meccanica</b> <i>E. Bulleri</i>	15.30 <b>Umidificatori, filtri ed aerosol</b> <i>A. Lucchini</i>
10.15	<b>Intubazione del paziente critico</b> <i>V. Russotto</i>	16.00 <b>HANDS-ON</b> <b>Helmet CPAP, PSV NIV, ventilazione meccanica, aerosol terapia</b> <i>Tutti i docenti</i>
10.40	<b>Quando pensare all'ECMO</b> <i>M. Giani</i>	17.30 <b>CHIUSURA DEL CORSO</b>
11.00	<b>Helmet CPAP</b> <i>A. Lucchini</i>	
11.30	<b>High Flow Nasal Cannula</b> <i>A. Galazzi</i>	
12.00	<b>NIV PSV</b> <i>S. Bambi</i>	
12.30	PAUSA PRANZO	

**ESERCITAZIONI PRATICHE**

Nelle sessioni HANDS ON i partecipanti, suddivisi in gruppi di lavoro, ruoteranno su 4 workstation.

APP TO **smart**  
the SMART meeting at your fingertips

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



Download the app on [www.smartonweb.org](http://www.smartonweb.org) or directly on App Store for Apple Products and Google Play for Android Products.





GENERAL  
**INFORMATION**

## MEETING VENUE



**Allianz MiCo - North Wing**  
**GATE 14** Entrance:  
 Via Gattamelata - 20149 Milano  
 Website: [www.micomilano.it](http://www.micomilano.it)



## ORGANIZIG SECRETERIAT

**Start Promotion Srl**  
 Via Soperga, 10 - 20127 Milano - Italy  
 Tel. +39 02 67071383 | Fax +39 02 67072294  
 Email: [info@startpromotion.it](mailto:info@startpromotion.it) | [www.startpromotion.it](http://www.startpromotion.it)

## ON-SITE SECRETARIAT

The SMART Secretariat will be available on-site (Level 0 and Level 1 of the Allianz MiCo - North Wing), from 7.30 a.m. of Wednesday May 29 to the closing of the scientific sessions, according to the following opening hours:

Wednesday	May 29	7.30 - 18.30
Thursday	May 30	8.00 - 18.30
Friday	May 31	8.00 - 18.00

### LEVEL 0

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

### LEVEL 1

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

## OFFICIAL LANGUAGES

**SMART MEETING**  
 English, no simultaneous translation.

**WeSMART SESSIONS**  
 English and/or Italian, no simultaneous translation.

**SIMULATION SESSIONS**  
 English and/or Italian, no simultaneous translation.

**ORAL PRESENTATIONS AND POSTERS**  
 English, no simultaneous translation.

**COMPLEMENTARY ACTIVITIES**  
 English and/or Italian, no simultaneous translation.

**EDUCATIONAL COURSES**  
 English and/or Italian, no simultaneous translation.

**SMART NURSING**  
 English and/or Italian, no simultaneous translation.

## SCIENTIFIC INFORMATION

### ORAL PRESENTATIONS

Oral presentations are scheduled on May 29-30-31 at different sessions as specified in the program. To each presentation a total time of 12 minutes is assigned, including 4 minutes for discussion. A shorter time (10 minutes each, including 3 minutes for discussion) is assigned to oral presentations of the session NURSING scheduled on Friday May 31.

### E-POSTER SESSIONS

All posters presented at the 35<sup>th</sup> SMART Meeting are displayed as E-posters on touchscreen monitors located in the E-Poster Corners (see Layout Level 1, page 77) from h 9.00 of Wednesday May 29 to h 17.00 of Friday May 31. Poster discussion will take place in the E-Poster Corners as detailed below:

#### WEDNESDAY MAY 29, H 13.00 - 14.30

- Anesthesia 1 (*E-Poster Corner 1*)
- Major cardiac adverse events: diagnosis and treatment (*E-Poster Corner 2*)
- Clinical cases (*E-Poster Corner 3*)

#### THURSDAY MAY 30, H 13.00 - 14.30

- Acid base equilibrium: the role of lung and kidney (*E-Poster Corner 1*)
- Infections (*E-Poster Corner 2*)
- Problems occurring in icu (*E-Poster Corner 3*)

#### FRIDAY MAY 31, H 13.00 - 14.30

- Anesthesia 2 (*E-Poster Corner 1*)
- Miscellanea (*E-Poster Corner 2*)
- Ventilation (*E-Poster Corner 3*)

At least one of the Authors is requested to be in the E-Poster Corner to interact with the audience. All accepted abstracts will be published on [www.smartonweb.org](http://www.smartonweb.org).

## Best Abstract Award

During the 35<sup>th</sup> 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 30 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:

#### 1<sup>st</sup> PRIZE

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

#### 2<sup>nd</sup> PRIZE:

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

#### 3<sup>rd</sup> PRIZE:

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

## 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.

## FACULTY LOUNGE

A Faculty Lounge with internet point, exclusively reserved for speakers and chairpersons, is available in the Scientific Area (see Layout Level 1, page 77).

## Paolo Pelosi Award Recognizing Excellence in Anesthesia and Intensive Care Research

SMART Meeting is proud to announce the inauguration of the **Paolo Pelosi Award**, created in honour of Prof. Paolo Pelosi and aimed to acknowledge the contribution of young scientists in the field of Anesthesia and Intensive Care.

The award will be presented to a deserving candidate who satisfies the following criteria:

- Age under 38 years old
- Specialization: Anesthesia and Intensive Care
- Residence: Europe
- Publications: the candidate must have published at least 3 original articles in peer-reviewed international journals.

Interested candidates should submit a one-page CV along with a list of publications, highlighting their "top 3" they wish to enter into the award, to [info@startpromotion.it](mailto:info@startpromotion.it) by **April 25, 2024.**

The selection process will be carried out by a distinguished jury, evaluating candidates based on:

- Novelty of the research
- Relevance to the field
- Contribution to advancements in Anesthesia and Intensive Care
- Number of citations received

The award will be presented during a dedicated scientific session scheduled on **Friday May 31 h. 11.30 - 12.30.**

The award will consist of:

- **Monetary award** of € 1500.00
- **Oral presentation** at the 35<sup>th</sup> SMART
- **Free entry** at the 35<sup>th</sup> SMART

## COFFEE STATIONS

Coffee Stations are located in the Exhibition Area (see Catering Areas on Layout Exhibition Area, page 75).

## PRESS REGISTRATION

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

## REGISTRATION FEES

	BEFORE MARCH 30	AFTER MARCH 30	ON-SITE
<b>Physicians</b> ESICM Members	€ 296.00	€ 352.00	€ 392.00
<b>Physicians</b> SIAARTI, AAROI, ESPNIC Members	€ 320.00	€ 390.00	€ 420.00
<b>Physicians</b> Non Members	€ 370.00	€ 440.00	€ 490.00
<b>Physicians</b> from low and middle-income countries §	€ 220.00	€ 270.00	€ 300.00
<b>Veterinarians</b>	€ 200.00	€ 220.00	€ 250.00
<b>Nurses</b> *	€ 130.00	€ 160.00	€ 180.00
<b>Visitors #</b>	€ 122.00	€ 122.00	€ 122.00
<b>Residents/Students**</b>	Free entrance (with mandatory pre-registration)		

Legal VAT is included

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

\* Pre-registration should be submitted online at [www.smartonweb.org](http://www.smartonweb.org) or [www.startpromotion.it](http://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.

\*\* Pre-registration should be submitted online at [www.smartonweb.org](http://www.smartonweb.org) or [www.startpromotion.it](http://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.

Online pre-registrations should be submitted before **May 15, 2024**. Later registrations are possible on-site only.

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

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

## ONLINE REGISTRATION

Both registration (SMART Meeting, Educational Courses) and hotel reservation should be submitted online at the websites [www.smartonweb.org](http://www.smartonweb.org) and/or [www.startpromotion.it](http://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 2024, 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 28, 2024**. No refund is due for later cancellations

## INVOICING

The invoice will be sent to the address entered during registration at [www.smartonweb.org](http://www.smartonweb.org) and/or [www.startpromotion.it](http://www.startpromotion.it). Receipt of the invoice will confirm registration.

## 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](http://www.smartonweb.org) and/or [www.startpromotion.it](http://www.startpromotion.it).

**Deadline: May 15, 2024.** 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 2024

**I FONDAMENTALI DELLA VENTILAZIONE MECCANICA**

May 27-28, 2024 - 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 TRANSESOFOGEEA BASIC**

May 27-28, 2024 - 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 28, 2024 - Max 80 participants

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

CORSO

**COME TRATTARE IL PAZIENTE MALNUTRITO/CATABOLICO: UNA QUESTIONE MISCONOSCIUTA DI SOPRAVVIVENZA**

May 29, 2024 - Max 20 participants ..... € 80.00

CORSO TEORICO-PRATICO NURSING

**UPDATE VENTILAZIONE MECCANICA PER INFERMIERI**

May 30, 2024 - Max 35 participants

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

Current Italian VAT is included

## SIMULATION SESSIONS

Admission is free with mandatory registration to be applied onsite at the appropriate desk. Registrations will be accepted on a first-come-first served basis, subject to availability (max 40 participants). Registration to the SMART Meeting is required to participate. See details on page 32.

### SIMULATION SESSIONS

Assessment of esophageal pressure, respiratory effort, and mechanical power

Alveolar recruitment and PEEP setting based on respiratory mechanics

Setting assisted ventilation in the hypoxemic patient. The bright and the dark side (SILI) of pressure support

Overview of E-CPR concepts and its clinical relevance. Cannulation techniques tips and tricks (AM edition)

Aerosol drug therapy during ventilatory support

Overview of E-CPR concepts and its clinical relevance. Cannulation techniques tips and tricks (PM edition)

### HIGH FIDELITY SIMULATION SESSIONS

Admission is free with mandatory registration to be applied onsite at the appropriate desk. Registrations will be accepted on a first-come-first served basis, subject to availability (max 30 participants). Registration to the SMART Meeting is required to participate. See details on page 36.

### HIGH FIDELITY SIMULATION SESSIONS

Champions League SMART 2024 - Semifinale 1

Nel labirinto... disfunzioni neurologiche

Champions League SMART 2024 - Semifinale 2

Sepsis & more

Champions League SMART 2024 - Finalissima

I 10 minuti di platino & consigli per il paziente pediatrico

Strategie per il trasporto del paziente critico

Quando sei reperibile... in sala parto

Escape Room - Competizione a tempo

Ambiente ostile: damage control resuscitation

Strategie fondamentali nella gestione delle vie aeree

Blood runner

## 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. Alternatively, take the Metro Blue Line M4 and get off at San Babila stop. Then take the Red Line M1 (Rho Fieramilano direction) and get off at Lotto stop. Take the Lilac Line M5 (Bignami direction) and get off at Portello stop (450 m from the meeting venue, Gate 14 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 Lotto stop. Then take the Metro Lilac Line M5 (Bignami direction) and get off at Portello stop (450 m from the meeting venue, Gate 14 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 Domodossola FN stop (600 m from the meeting venue, Gate 14 entrance), or Portello stop (450 m from the meeting venue, Gate 14 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 Domodossola FN stop (600 m from the meeting venue, Gate 14 entrance), or Portello stop (450 m from the meeting venue, Gate 14 entrance).

#### Garibaldi Station

Take the Metro Lilac Line M5 (San Siro direction) and get off at Domodossola FN stop (600 m from the meeting venue, Gate 14 entrance), or Portello stop (450 m from the meeting venue, Gate 14 entrance).

#### Cadorna Station

Take the Metro Red Line M1 (Rho Fieramilano direction) and get off at Lotto stop. Then take the Metro Lilac Line M5 (Bignami direction) and get off at Portello stop (450 m from the meeting venue, Gate 14 entrance).

### 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

**PARKING:** An underground car parking is available in the MiCo area with entrance and exit through Gate 16 - Via Gattamelata. Parking rate: € 16.00 full day, with direct payment at the cash counter. Open from h 7.30 to h 20.30, overnight parking not allowed.

## PUBLIC TRANSPORT

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

### STANDARD TICKET

Fare: € 2.20. 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: € 7.60. Validity: 24 h after stamping. Valid for unlimited journeys in the entire urban ATM network including trams, buses and underground.

### 3-DAY TICKET

Fare: € 15.50. Validity: 72 h after stamping. Valid for unlimited journeys in the entire urban ATM network including trams, buses and underground.

### RICARICAMI TICKET

RicaricaMi is a new rechargeable ticket now available for public transport in Milan. Rates do not change. The new ticket is not nominative. You can buy and recharge it at automatic cash machines or at retailers. Old tickets can be used until November 2024.

## UNDERGROUND

The Milan Underground has five lines: Red Line M1, Green Line M2, Yellow Line M3, Blue Line M4, Lilac Line M5. To reach the meeting venue (Gate 14, via Gattamelata) by metro, follow the directions below:

**LILAC LINE M5** - Get off at Domodossola FN stop (600 m from the meeting venue, Gate 14 entrance), or Portello stop (450 m from the meeting venue, Gate 14 entrance).

**RED LINE M1** - Get off at Lotto stop. Then take the Metro Lilac Line M5 (Bignami direction) and get off at Portello stop (450 m from the meeting venue, Gate 14 entrance).

**GREEN LINE M2** - Get off at Garibaldi stop, take the Lilac Line M5 (San Siro direction) and get off at Domodossola FN stop (600 m from the meeting venue, Gate 14 entrance), or Portello stop (450 m from the meeting venue, Gate 14 entrance).

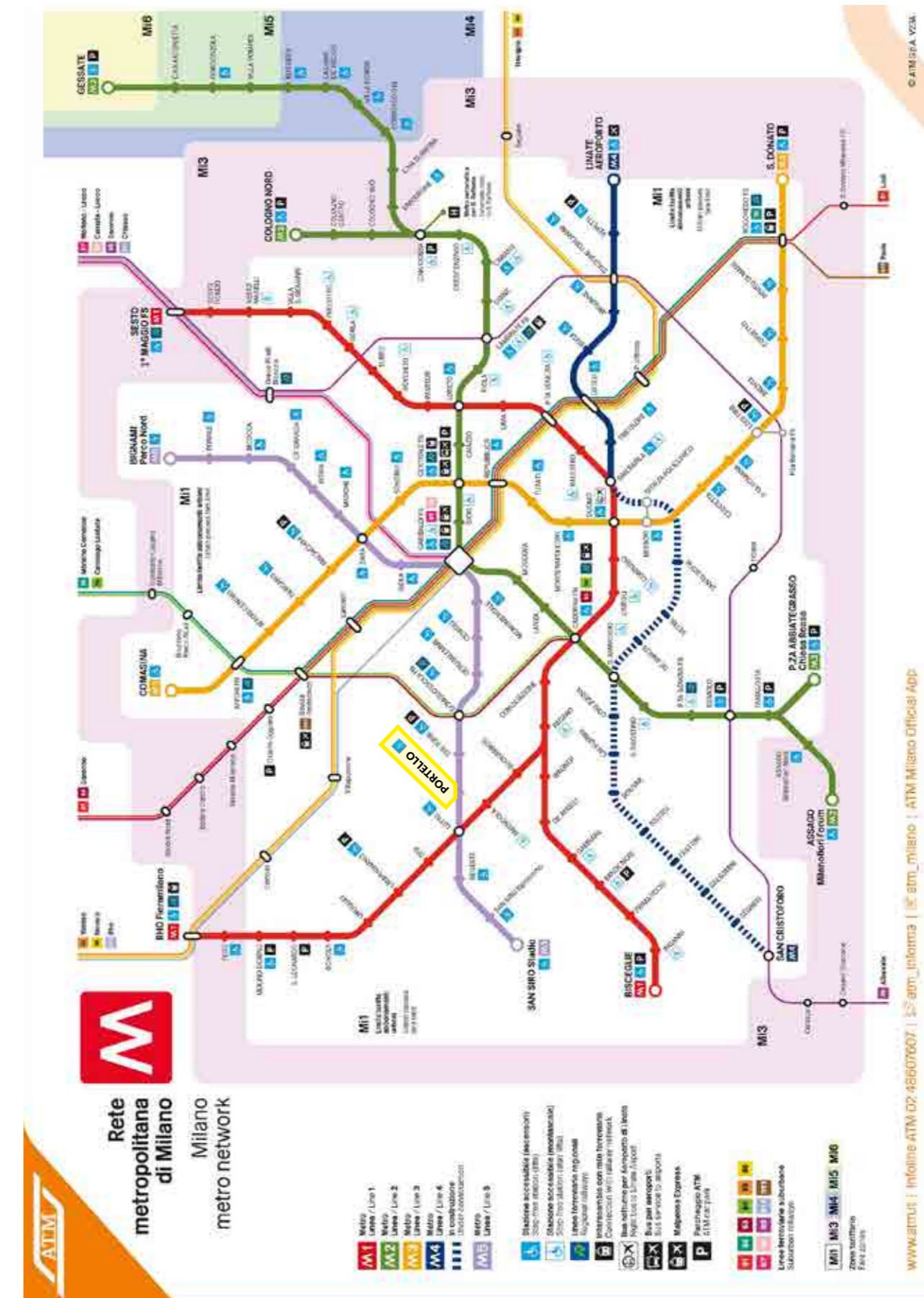
**YELLOW LINE M3** - Get off at Duomo stop, take the Red Line M1 (Rho Fieramilano direction) and get off at Lotto stop. Then take the Metro Lilac Line M5 (Bignami direction) and get off at Portello stop (450 m from the meeting venue, Gate 14 entrance).

**BLUE LINE M4** - Get off at San Babila stop, take the Red Line M1 (Rho Fieramilano direction) and get off at Lotto stop. Take the Lilac Line M5 (Bignami direction) and get off at Portello stop (450 m from the meeting venue, Gate 14 entrance).

## TAXI SERVICE

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

## METRO NETWORK MAP



The Exhibition is open from h 8.00 of Wednesday May 29 to h 18.00 of Friday May 31.  
L'esposizione è aperta dalle ore 8.00 di Mercoledì 29 Maggio alle ore 18.00 di Venerdì 31 Maggio.

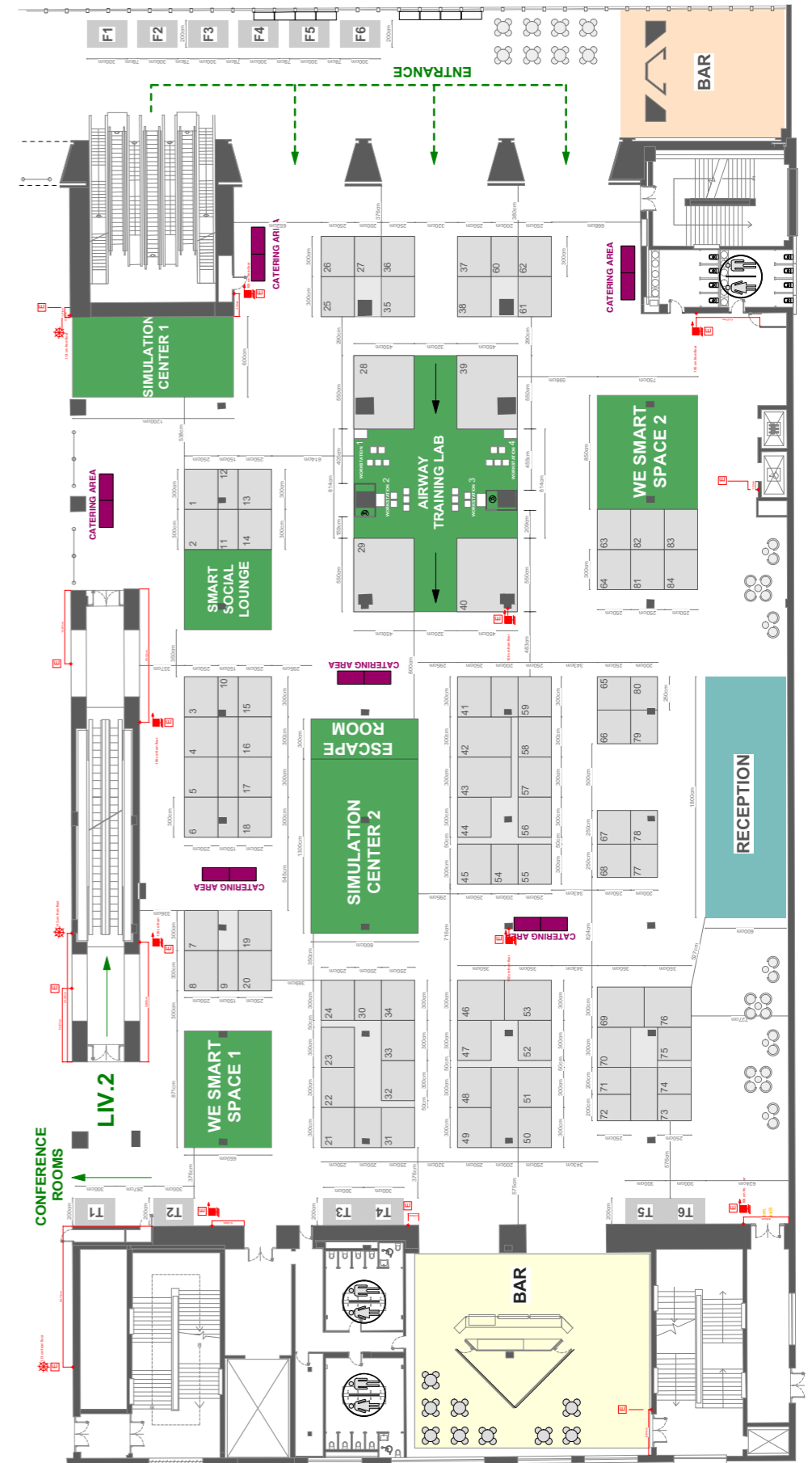
COMPANY	BOOTH No.
ACCURATE	3-4-10-15-16
ADVITOS	F4
AEROGEN	11-12-13-14
AFERETICA	21-31
AMBU	37-38
ATOS MEDICAL	44
B BRAUN	42-43
BD	69-76
BD - UCC	70
BAXTER	17-18
BAXTER - HILL ROM	17-18
BIOMERIEUX	52
BURKE & BURKE	1-2-11-12-13-14
CHIESI ITALIA	45-54-55
DIMAR	48-49-50-51
DRAEGER	Living Corner Simulation Center 2
EDIZIONI MINERVA MEDICA	T3
EDWARDS LIFESCIENCE	57-58
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EMIMED	46
EUROSETS	32
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COMPANY	BOOTH No.
FLEXICARE	40
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GETINGE	Smart Social Lounge
GRIFOLS	53
HAMILTON MEDICAL	11-12-13-14
HANGZHOU TAPPA MEDICAL TECHNOLOGY	5-6
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INTERSURGICAL	28 F6
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LIBRERIA CORTINA EDITORE	T5-T6
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MEDTRONIC	29
MINERVA MEDICA	T3
MOZARC MEDICAL	47
PICCIN NUOVA LIBRARIA	F5
SEDA	7-8-9-19-20
SIARE	24-30
SIMULKARE	63-64-81-82-83-84
STRYKER ITALIA	25
TECNOHEALTH	T2
VERATHON	35-36
VIATRIS	33-34
WERFEN	T4

**LEVEL 1**

**EXHIBITION AREA**

- > Exhibition
- > Reception
  - Pre-registered Physicians & Nurses
  - New registrations Physicians & Nurses
  - Faculty
  - Sponsoring Companies
  - Info Point
- > WeSmart Space 1
- > WeSmart Space 2
- > Simulation Center 1
- > Simulation Center 2
- > Escape Room
- > Airway Training Lab
- > Smart Social Lounge
- > Catering Areas
- > Bar



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.



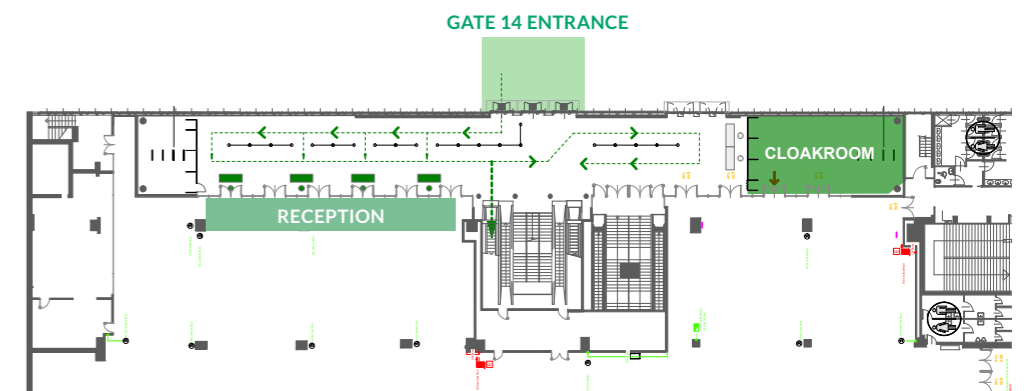
## LEVEL -1

- > Halls
  - Green 1-2-3
  - Meeting 3-4-5-6
  - Orange 1-2-3
  - Tuquoise 1-2



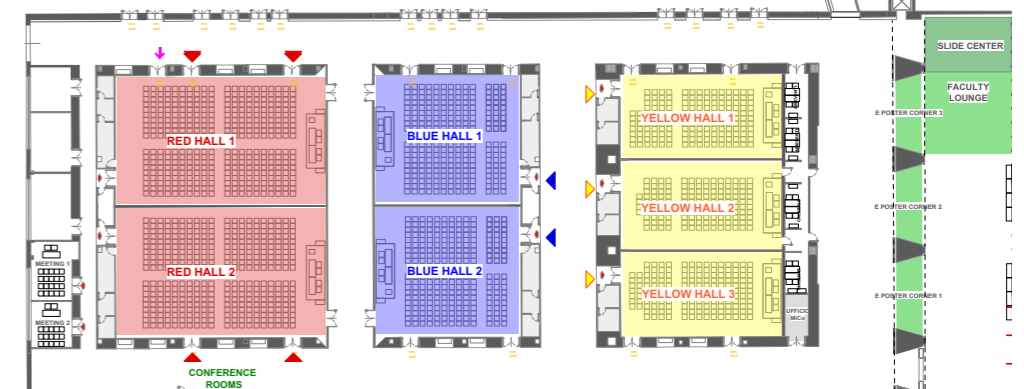
## LEVEL 0

- > MAIN ENTRANCE
  - > Reception
    - Pre-registered and New registrations Residents & Students
    - Pre-registered and New registrations Visitors
  - > Cloakroom



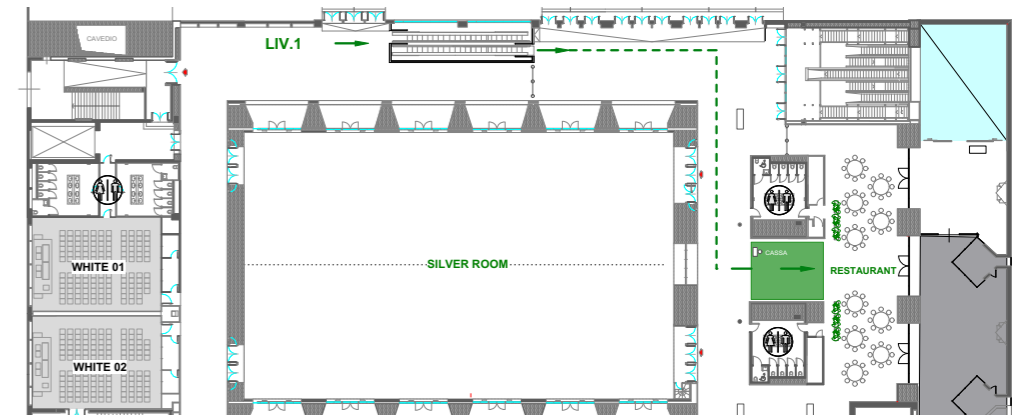
## LEVEL 1

- > SCIENTIFIC AREA
  - > Halls
    - Red 1-2
    - Blue 1-2
    - Yellow 1-2-3
    - Meeting 1-2
  - > Faculty Lounge
  - > Slide Center
  - > E-poster Corner 1-2-3



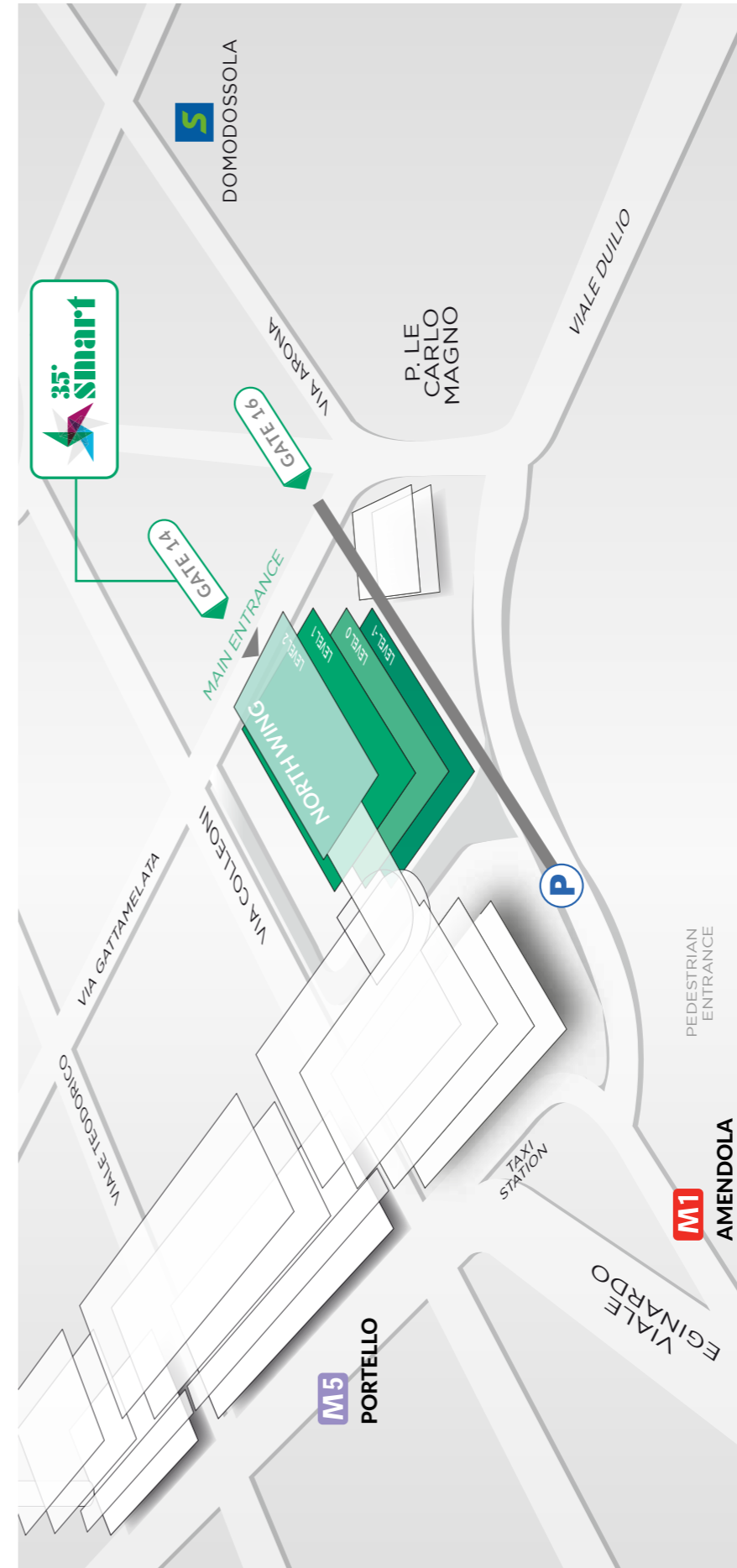
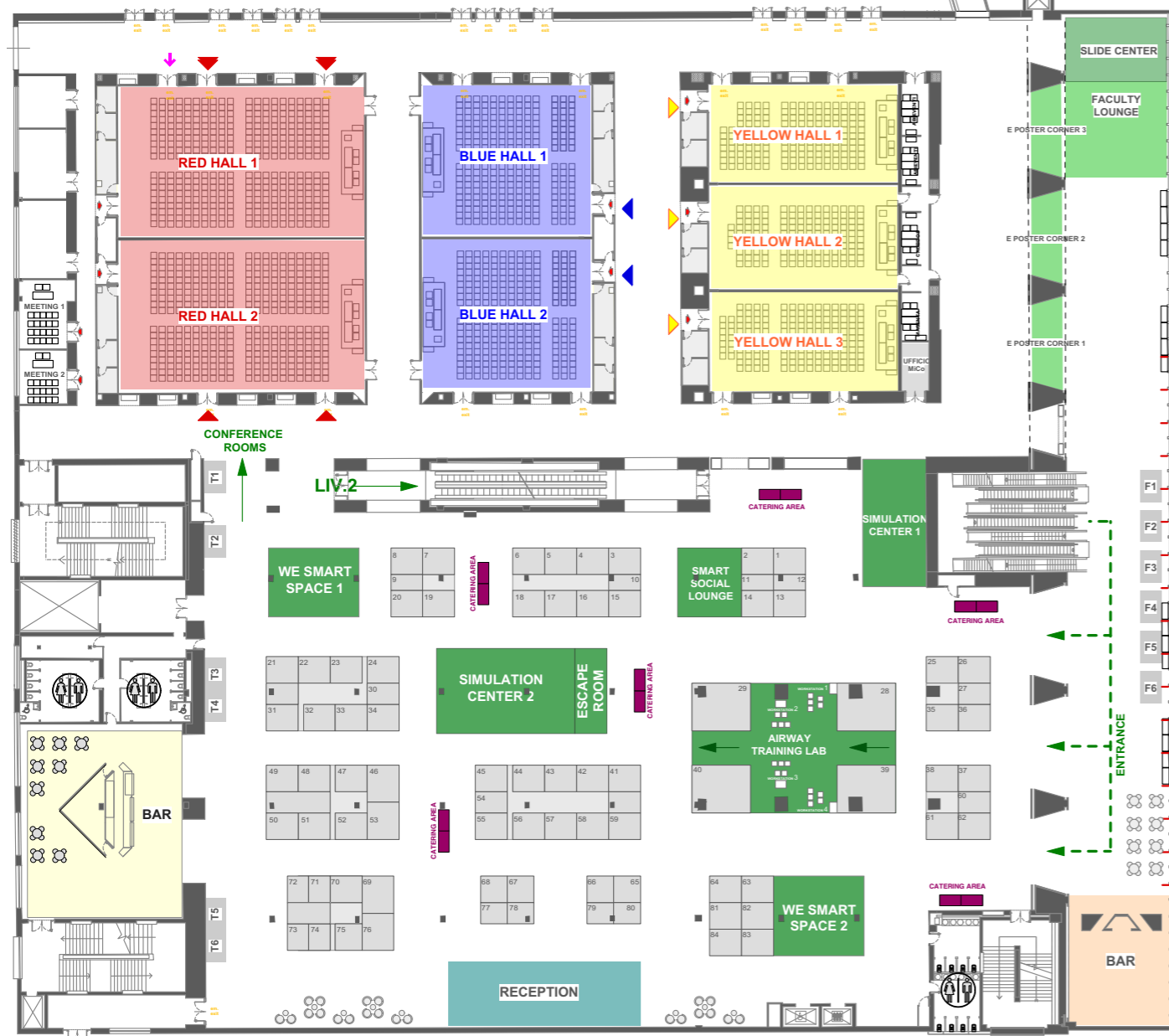
## LEVEL 2

- > Restaurant
- > Halls
  - White 1-2



LEVEL 1

- > Scientific Area
- > Exhibition Area



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

Underground Metropolitana  
M5

Underground Metropolitana  
M1

Taxi



**PARKING - Entrance/Exit through Gate 16 Via Gattamelata**  
 Parking rate: Euro 16.00 full day, direct payment at the cash counter.  
 Open from h 7.30 to h 20.30, overnight parking not allowed.  
 PARCHEGGIO INTERRATO - Ingresso/Uscita dal Gate 16 Via Gattamelata  
 Tariffa: Euro 16,00 per l'intera giornata, pagamento diretto in cassa con addetto.  
 Aperto dalle 7.30 alle 20.30. Non sono concesse soste notturne.





*See you at*

# 36° smart

Smart Meeting Anesthesia  
Resuscitation InTensive care

MILAN | May 7-9, 2025

[www.smartonweb.org](http://www.smartonweb.org)

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