



35° Smart

Smart Meeting Anesthesia
Resuscitation inTensive Care

Allianz MiCo - North Wing
Milan | May 29-31, 2024



First Announcement



Smart Meeting Anesthesia
Resuscitation inTensive Care

SMART SCIENTIFIC BOARD

M. Antonelli, L. Brazzi, L. Camporota, G. Citerio, G. Conti,
L. Gattinoni, M. Girardis, A. Pesenti, M. Quintel,
F. Raimondi, S. Romagnoli, M. Senturk

SMART ORGANIZING SECRETARIAT

Start Promotion Srl

Via Mauro Macchi, 50 - 20124 Milano - Italy

Ph.: +39 02 67071383 | **Fax:** +39 02 67072294

Email: info@startpromotion.it

Website: www.startpromotion.it | www.smartonweb.org

TENTATIVE FACULTY

Agostini V. , Genova (I)	Carron M. , Padova (I)	Ferrer Roca R. , Barcelona (E)	Laffey J. , Galway (IRL)	Panigada M. , Milano (I)	Singer M. , London (UK)
Amirfarzan H. , Boston (USA)	Cecconi M. , Milano (I)	Foti G. , Monza (I)	Landoni G. , Milano (I)	Payen D. , Paris (F)	Slutsky A. , Toronto (CDN)
Antonelli M. , Roma (I)	Chiumello D. , Milano (I)	Gattarello S. , Milano (I)	Langer T. , Milano (I)	Pea F. , Udine (I)	Sonneville R. , Paris (F)
Azoulay E. , Paris (F)	Citerio G. , Monza (I)	Gattinoni L. , Goettingen (D)	Leone M. , Marseille (F)	Pedoto A. , New York (USA)	Sorbello M. , Catania (I)
Baldini G. , Firenze (I)	Conti G. , Roma (I)	Giani M. , Monza (I)	Marini J.J. , St. Paul (USA)	Pesenti A. , Milano (I)	Stocchetti N. , Milano (I)
Ball L. , Genova (I)	Conway Morris A. , Cambridge (UK)	Giannella M. , Bologna (I)	Martin Loeches I. , Dublin (IRL)	Piccioni F. , Milano (I)	Taccone F.S. , Bruxelles (B)
Bandera F. , Milano (I)	Coppo A. , Monza (I)	Giosa L. , London (UK)	Meissner K. , Goettingen (D)	Povoa P. , Lisbon (P)	Tavazzi G. , Pavia (I)
Bellani G. , Monza (I)	Cortese G. , Torino (I)	Girardis M. , Modena (I)	Messina A. , Milano (I)	Quintel M. , Deggendorf (D)	Teboul J.L. , Le Kremlin-Bicêtre (F)
Bignami E. , Parma (I)	De Pascale G. , Roma (I)	Giussani C. , Monza (I)	Meyfroidt G. , Leuven (B)	Raimondi F. , Pavia (I)	Tonetti M. , Bologna (I)
Brazzi L. , Torino (I)	De Rosa S. , Vicenza (I)	Grasselli G. , Milano (I)	Moerer O. , Goettingen (D)	Riera J. , Barcelona (E)	Van der Jagt M. , Rotterdam (NL)
Brochard L. , Toronto (CDN)	De Waele J. , Ghent (B)	Guarracino F. , Pisa (I)	Mojoli F. , Pavia (I)	Robba C. , Genova (I)	Van Essen T. , Amsterdam (NL)
Busana M. , Goettingen (D)	Demoule A. , Paris (F)	Helbok R. , Innsbruck (A)	Montrucchio G. , Torino (I)	Romagnoli S. , Firenze (I)	Van Regenmortel N. , Antwerp (B)
Busani S. , Modena (I)	Dominguez-Gil B. , Madrid (E)	Heunks L. , Amsterdam (NL)	Newcombe V. , Cambridge (UK)	Rosboch G.L. , Torino (I)	Viale P. , Bologna (I)
Caironi P. , Torino (I)	Donadello K. , Verona (I)	Jaber S. , Montpellier (F)	Nielsen N. , Albuquerque (USA)	Russotto V. , Torino (I)	Vincent J.L. , Bruxelles (B)
Camporota L. , London (UK)	Duska F. , Prague (CZ)	Juffermans N. , Amsterdam (NL)	Ostermann M. , London (UK)	Senturk M. , Istanbul (TR)	Zanierato M. , Torino (I)



SMART Exhibition Area

crossroad of contacts, beating heart of the meeting

WeSmart Space

Given the success obtained in the latest Edition, also for 2024 two WeSmart spaces will be made available to Companies for the organization of any kind of complementary activities.

Smart Social Lounge

All SMART participants will have free access to an open relax lounge in the Exhibition Area with internet point, wifi connection and free coffee point.

Simulation Center

To satisfy the growing interest in simulation sessions, two transparent rooms dedicated to this educational format will be set up in the Exhibition Area.

Champions League SMART 2024

The 35th SMART will be enriched with the Champions League SMART 2024, a team competition of advanced simulation reserved for residents, which has been already tested with great success during the latest Edition.

Register now!

Online pre-registrations at www.smartonweb.org
Deadline: **May 15, 2024**

Early registration with reduced fees
Deadline: **March 30, 2024**

Call for Abstract

Online abstract submission at www.smartonweb.org
Deadline: **April 8, 2024**

Best Abstract Award

The best three abstracts presented at the meeting will be awarded.

Details at www.smartonweb.org

SMART Exhibition Area
crossroad of contacts, beating heart of the meeting



Emerging infections and critical care setting

- Emerging infections – traveling, migration, climate change, new pathogens
- Infection control and nosocomial infection
- Meningitis and encephalitis in ICU

Infections in challenging patients

- Infections in immunocompromised patients (neutropenia, HSCT, CAR-T)
- Investigating the biology of infection in SOT
- Viral reactivation in critically ill patients
- Gut, lung and organ-specific microbiota, how they influence the outcome in SOT

Management of abdominal infections in 2023

- Source control: open surgery or radiological intervention
- IAI caused by fungal pathogens
- Antibiotic failure: when and how to shift

Fungal sepsis

- Antifungal resistance and AF stewardship
- Challenges in fungal infections: new diagnostic strategies, specific patients cohorts
- Candidemia and sepsis: delayed diagnosis, clinical strategies, complications
- Focus on Mucor antifungals: from the drug to the therapy (principal antifungal drugs and mechanisms of action; effective treatments against the 3 main fungi)

Implementing antimicrobial stewardship in ICU: theories and facts

- Rules of engagement
- Diagnosis is the key
- How to use old antibiotics
- Opportunity from new antibiotics
- Infection control and AMS: win-win strategy

Prophylaxis in surgery

- Which molecule, which setting: new indications?
- Timing/redosing/special populations
- Management of surgical site infection

Fluids and vasopressors in septic shock

- Fluid responsiveness in 2023
- Albumin is my choice
- Early or late vasopressors?
- How to spare catecholamines
- If everything fails

Myocardial dysfunction in sepsis

- Pathophysiology is crucial
- Echo dynamic at the bedside
- When and which inotrope
- If the right ventricle is my problem

Sepsis at the bedside

- Blood purification in peritonitis
- Steroids in pneumonia
- Immunoglobulins in fasciitis
- New treatments in immune dysfunction

Non-invasive support

- High Flow Oxygen in ARF: the evidence
- NIV in AHRF: how and when
- Monitoring during NIV
- Is my patient failing NIV?

PEEP beyond the lung

- Effects of PEEP on the brain
- PEEP and kidney function
- Cardiovascular implications
- PEEP and diaphragmatic function

Extracorporeal support for respiratory failure

- Patient selection in VV-ECMO
- VV-ECMO: should age and BMI be a barrier?
- VV-ECMO and hematological malignancies
- What next for ECCO₂R?

Weaning from mechanical ventilation

- Managing the transition to assisted ventilation
- Should I perform an SBT?
- Role of bedside imaging on weaning readiness
- Neurostimulation

Lung protective ventilation

- Protective ventilation: targets and thresholds
- Driving pressure: meaning and limitations
- Prone position and lung protection: timing and duration

Mechanical ventilation in special groups

- Brain injury
- Lung transplant recipient
- Morbid obesity
- Severe asthma

The year of clinical trials on mechanical circulatory supports

- The clinical application of VA-ECMO
- The clinical application of Axial Flow devices
- The clinical application of IABP
- How will the clinical practice change?

Pulmonary embolism

- Early stratification and management of severe pulmonary embolism
- Mini invasive catheter - based interventions
- Right side mechanical circulatory support

Setting PEEP in ARDS

- Lessons from ARDS trials
- Can imaging help?
- Can lung mechanics help?
- Does assessing recruitability help?

Dyspnea in mechanically ventilated patients

- Mechanisms of breathlessness in ventilated patients
- How to assess dyspnea
- Which interventions work
- Putting all together: results from the dyspnea taskforce

Positioning in ARDS

- Prone positioning rationale
- Prone positioning in the awake patient
- Prone position during Covid-19: evidence from a large italian database (PROVENT C19)
- Prone position during ECMO
- Postural changes and respiratory mechanics in ARDS

When coagulation is the problem

- Surgical bleeding
- Severe bleeding in trauma
- DIC management
- Coagulation in sepsis
- How to manage bleeding and new DOAC

Heart and thoracic anesthesia

- Hemodynamic monitoring and management during one-lung ventilation: heart-lung interaction
- Fluids and thoracic surgery: friends or foes?
- Right ventricular failure and thoracic surgery: new insights
- Electrical storm and thoracoscopic denervation: when the going gets tough, the tough gets going

Opioid free/opioid sparing anesthesia

- The path to opioid free/sparing anesthesia: does it worth it?
- Locoregional analgesia for opioid free/sparing anesthesia
- Non locoregional analgesia for opioid free/sparing anesthesia
- Dexmetomidine and opioid free/sparing anesthesia

News in anesthesia: drugs and technologies**Drugs:**

- Remimazolam for procedural sedation: ready to replace propofol, midazolam or both?
- Landiolol and clevidipine in cardiovascular and non-cardiovascular surgery

Tech:

- High Flow Nasal Oxygen outside the ICU: I use them in OR and in NORA
- It is time to throw away the “traditional” laryngoscope: let’s use video-laryngoscopes ONLY
- Brain oximetry: when and how to use it
- Oxygen Reserve Index
- Next generation for target-controlled infusion and total intravenous anesthesia
- Hemodynamic monitoring
- Lung separation: devices for one-lung-ventilation and techniques for protective one-lung-ventilation
- Electromyography for monitoring neuromuscular block

Milestones in anesthesia management

- Mechanical ventilation in anesthesia: double and single-lung (correct/protective) ventilation
- Blood pressure and hemodynamic monitoring
- Depth of anesthesia

Intraoperative hemorrhage and hemostatic imbalance management

- Viscoelastic tests
- Algorithms
- Drugs and devices

Complications after anesthesia

- Respiratory failure
- Brain dysfunction
- Myocardial injury
- Kidney injury

Modern regional anesthesia techniques in:

- Obstetrics
- Thoracic surgery
- Orthopedic surgery

Recent key guidelines in anesthesia practice

- ASA - Airway management
- ESC - Cardiovascular assessment and management in non-cardiac surgery
- ESAIC - Cardiac biomarkers in perioperative risk evaluation
- ESAIC - Neuromuscular blockade

Perioperative blood volume management

- Intraoperative fluid management: quantity and quality
- Monitoring volume during anesthesia
- Fluid management after surgery: from ERAS principles to real life

Lesson learned with comparative effectiveness research in TBI. Ready for implementing the findings

- Oxygenation, carbon dioxide and tracheostomy
- Fluid balance
- ICP monitoring and treatment
- Neurosurgical interventions

Ischemic stroke at the ICU doorstep

- The Lombardia system...one year later
- Update on neuroimaging and on neurovascular interventions
- ICU management
- Decompressive craniectomies: still an option?

Neurointensive insights: the last and the next 50 years

- Major changes in neurocritical care in the last 50 years
- The unanswered question at the bedside
- Biomarkers, genetics, monitoring, imaging... any real utility
- Artificial intelligence and decision support tools: the potential answer?

Admission to ICU only for organ donation

- Pro (The Spanish experience) / Con / I do not know

Pain management and palliative care

- Pain management in the ED: is it up to the anesthesiologist-intensivist?
- Severe 'end stage' organ failure: when to switch to palliative care?
- Hospital palliative care: what role for the anesthesiologist/intensivist?

Airway management

- Awake intubation: just for the braves... or normal anesthesiologist skill?
- Difficult airway: does it still exist?
- OLV for non-thoracic anesthesiologist: how to survive?
- VLS pros and cons (open debate)

Artificial Intelligence: myth, illusion, or a useful tool?

- Artificial Intelligence: highest level of evidence?
- Will Artificial Intelligence overcome physiology?
- Artificial Intelligence in intensive care: use, misuse, and the influence on human decision-making
- Artificial Intelligence and Big Data analysis: is it the future?

Perioperative medicine and the obese patient

- Ideal body weight, adjusted body weight and real body weight: an update on perioperative drugs use and dosing
- The challenges of regional anesthesia in the very obese patient
- Airway management in obese patients
- How to set the ventilator

The obese patient

- The obese patient in OR: just a matter of increased weight?
- Dark side of the moon: the obese patient from a surgical point of view
- Obese and airway. Houston, do we have a problem?

Albumin

- Role of albumin in cirrhotic patients: does the concentration really matter?
- Albumin and endothelial glycocalyx: any clinical relevance?
- 5% vs. 20% vs. 25% albumin
- The ALBIOSS-BALANCED trial: a long journey...
- General overview of albumin properties in humans
- Albumin administration and its distribution volume
- The role of albumin as a buffer

New trends in pediatric anesthesia

- New approaches to airways management
- Relieve child's anxiety: what's new?
- From literature to practice: 12 statements on analgosedation in radiologic procedures
- Preoperative optimization: how to bring our children to surgical field

Point-of-care ultrasound (POCUS) in neonates and children

- POCUS in NICU
- POCUS in PICU
- POCUS in OR for neonates and children

Hot topics in pediatric ICU

- Optimizing patient - ventilator interaction in PICU
- Hemophagocytosis in PICU
- Acute kidney injury in children

Back to basics in coagulation

- Viscoelastic methods of blood clotting assessment
- How to use red blood cells
- How to use fresh frozen plasma
- How to use tranexamic acid
- How to use fibrinogen
- How to use prothrombin complex concentrates

What's new on pharmacological therapies in ARDS

- What is the role of steroids in ARDS
- Targeting hyperinflammation in ARDS
- Cell therapies in ARDS
- “omics” in the management of ARDS

What's new on ventilatory monitoring

- Assessing the inspiratory effort during assisted mechanical ventilation by non-invasive techniques: I like PMI / I like Pocc
- Airway opening pressure, AutoPEEP and uncorking effect

What's new on...

- Videolaryngoscopy use in critically ill patients
- Cardiac arrest
- Awake pronation of hypoxemic patients
- Traumatic brain injury
- Noninvasive respiratory support of hypoxemic patients
- PEEP setting in ARDS
- The use of steroids in ICU

Message in a bottle

During the first 5 minutes of this session, participants are invited to put in a box a little square of paper with a question to the expert. Authors of questions are not asked to put their names and this will be the unique chance to ask whatever they want to the expert on the field on a free topic (and keywords). The expert will then have 30 minutes (or 20 minutes) to select questions and address the points raised by the audience.

- *Message in a bottle to...*
Keywords: ARDS, mechanical ventilation, gas exchange
- *Message in a bottle to...*
Keywords: sepsis, shock
- *Message in a bottle to...*
Keywords: assisted ventilation, respiratory failure
- *Message in a bottle to...*
Keywords: acid-base balance
- *Message in a bottle to...*
Keywords: renal replacement therapy
- *Message in a bottle to...*
Keywords: hemodynamics (or inflammation in critically ill)

Basic physiology

- Bedside cardiocirculatory physiology
- Bedside respiratory physiology
- Oxygen transport, delivery and consumption
- Gas exchange
- Physiology of the renal replacement
- Physiology of the infection host defense
- Central nervous system physiology: the essential
- Physiology of ICP
- CO₂, a neglected friend at the bedside

Monitoring

- Monitoring hemodynamics
- Respiratory mechanics
- Monitoring mechanical ventilation
- Monitoring cardiac function
- Mechanical Power: why and when to use it at the bedside
- Microcirculation monitoring in critically ill patients: from research to bedside
- Respiratory drive and inspiratory effort in hypoxic patients

Cardio-Circulatory

- Blood volume, filling pressure and cardiac function
- Pulmonary and systemic arterial pressure
- Basic electrocardiography and arrhythmias
- Heart failure related cardiogenic shock
- Fulminant myocarditis
- Takotsubo syndrome
- Circulatory drugs in the critically ill

Neurology

- Management of brain injury
- Advanced TC imaging of brain perfusion in 20 minutes
- Brain MRI for beginners in 20 minutes
- Delayed cerebral ischemia detection and treatment in 20 minutes
- TBI in 20 minutes
- SAH in 20 minutes
- Ischemic stroke in 20 minutes
- Neuromuscular emergencies in 20 minutes
- Seizures in 20 minutes
- Coma

Common problems in ICU

- Diagnosis and management of delirium
- Managing the organ donor patient
- Meningitis and encephalitis in ICU
- Patient mobilization in ICU
- CRRT in ICU

Metabolism

- Energy requirements
- Stress response in the critically ill
- Inflammation in the critically ill
- Nutrition in the critically ill

Anesthesia

- Obstetric analgesia and anesthesia
- Treating the obese patient
- Artificial Intelligence in the operating room
- Strategy for the difficult-to-intubate patient
- Ventilatory management in thoracic surgery

Respiratory support

- CPAP and high flow nasal cannula: indications and techniques
- Setting and monitoring mechanical ventilation in the obstructive patient
- Setting and monitoring mechanical ventilation in the restrictive patient
- Setting and monitoring the ventilation for the difficult-to-ventilate patient
- Weaning from mechanical ventilation
- Clinical approach to the difficult weaning

APP TO SMART

the SMART meeting at your fingertips

App available for iPhone and Android enabling real time interaction, access to the voting system and all SMART info at a glance.



Meeting Venue

Allianz MiCo - North Wing



GATE 14 ENTRANCE: Via Gattamelata

20149 Milano | Website: www.micomilano.it



Official Languages

Smart Meeting

English, no simultaneous translation.

Oral Presentations and Posters

English, no simultaneous translation.

Complementary Activities

English or Italian, no simultaneous translation.

Organizing Secretariat

Start Promotion Srl

Via Mauro Macchi, 50 - 20124 Milano - Italy

Ph.: +39 02 67071383 | Fax: +39 02 67072294

Email: info@startpromotion.it

Website: www.startpromotion.it | www.smartonweb.org



**35°
Smart**

Smart Meeting Anesthesia
Resuscitation inTensive Care

www.smartonweb.org

Follow us:   