



37° smart

Smart Meeting Anesthesia
Resuscitation inTensive care

FIRST ANNOUNCEMENT

Milan | May 27-29, 2026

Allianz MiCo North Wing



SMART

Smart Meeting Anesthesia Resuscitation inTensive care

Advancing Science and Education Since 1990

FOUNDING MEMBERS

A. Braschi, L. Gattinoni, A. Pesenti, F. Raimondi

ORGANIZING AND SCIENTIFIC COMMITTEE

M. Antonelli, L. Brazzi, L. Camporota, G. Citerio,
G. Conti, A. Pedoto, A. Pesenti, M. Quintel,
F. Raimondi, M. Senturk

TENTATIVE FACULTY

Agostini V. , Genova (I)	Busani S. , Modena (I)	Donati A. , Ancona (I)	Langer T. , Milano (I)	Patel A. , London (UK)	Senturk M. , Istanbul (TR)
Amirfarzan H. , Boston (USA)	Caironi P. , Torino (I)	Duska F. , Prague (CZ)	Leone M. , Marseille (F)	Paternoster G. , Potenza (I)	Singer M. , London (Uk)
Antonelli M. , Roma (I)	Camporota L. , London (UK)	Ferrer Roca R. , Barcelona (E)	Lopez A. , Barcelona (E)	Payen D. , Paris (F)	Slutsky A. , Toronto (CDN)
Azoulay E. , Paris (F)	Cecconi M. , Milano (I)	Forni L. , Guildford (UK)	Marini J.J. , St. Paul (USA)	Pedoto A. , New York (USA)	Sorbello M. , Enna (I)
Badenes R. , Valencia (E)	Citerio G. , Monza (I)	Foti G. , Monza (I)	Martin-Loeches I. , Dublin (IRL)	Pesenti A. , Milano (I)	Spies C. , Berlin (D)
Baldini G. , Firenze (I)	Constantin J.M. , Clermont-Ferrand (F)	Giannella M. , Bologna (I)	Mauri T. , Milano (I)	Povoa P. , Lisbon (P)	Taccone F.S. , Bruxelles (B)
Barbani F. , Firenze (I)	Conti G. , Roma (I)	Girardis M. , Modena (I)	Meyfroidt G. , Leuven (B)	Ranieri V.M. , Bari (I)	Talmor D. , Boston (USA)
Battaglini D. , Genova (I)	Conway Morris A. , Cambridge (UK)	Grasselli G. , Milano (I)	Micaglio M. , Firenze (I)	Rezoagli E. , Monza (I)	Van Regenmortel N. , Antwerp (B)
Bellani G. , Trento (I)	Cortegiani A. , Palermo (I)	Grieco D.L. , Roma (I)	Michard F. , Lausanne (CH)	Ristagno G. , Milano (I)	Vergano M. , Torino (I)
Berra L. , Boston (USA)	De Bus L. , Ghent (B)	Hernandez G. , Santiago (CL)	Montrucchio G. , Torino (I)	Robba C. , Genova (I)	Zadek F. , Milano (I)
Bhure W. , Utrecht (NL)	De Pascale G. , Roma (I)	Jaber S. , Montpellier (F)	Nielsen N. , Albuquerque (USA)	Romagnoli S. , Firenze (I)	Zanella A. , Milano (I)
Bignami E.G. , Parma (I)	De Rosa S. , Trento (I)	Juffermans N. , Rotterdam (NL)	Ostermann M. , London (UK)	Sacchi M. , Milano (I)	Zanierato M. , Torino (I)
Brochard L. , Toronto (CDN)	Donadello K. , Verona (I)	Laffey J. , Galway (IRL)	Panigada M. , Milano (M)	Sandroni C. , Roma (I)	Zarbock A. , Muenster (D)

L'avventura umana e scientifica di Luciano Gattinoni e Federica Romitti continua con la Connect-Association



In occasione della **37ª Edizione SMART 2026**, nascerà la **Connect-Association Hall**: un luogo dove le idee prendono voce, le esperienze si intrecciano e **il futuro della medicina si costruisce insieme**. Sarà uno spazio vivo, pensato per favorire l'incontro e il dialogo tra giovani medici emergenti e speaker internazionali, un crocevia di competenze e visioni che darà forma a un autentico laboratorio di conoscenza condivisa.

All'interno della Hall si alterneranno sessioni interattive, tavole rotonde, dibattiti Pro-Con e format innovativi; momenti di confronto autentico, dove la curiosità diventa stimolo e l'innovazione prende respiro.

SPAZI SMART

Forum

L'aula Forum, ubicata nell'area scientifica, offre un ampio spazio versatile e multi-funzionale pensato per ospitare attività complementari quali Simulation Session, Technical Forum e Meet the Expert.

High Fidelity Simulation Center

Le sessioni di simulazione ad alta fedeltà, premiate negli anni recenti da una straordinaria partecipazione, saranno ospitate in un ambiente dedicato.

Smart Social Lounge

Tutti i partecipanti allo Smart potranno accedere liberamente ad un'area relax, dotata di internet point, rete wifi e coffee point gratuito.

Faculty Lounge

La Faculty SMART avrà a disposizione uno spazio relax riservato nell'area scientifica, con allestimento a salotto, rete wifi e coffee point.

Spazi Academy in area espositiva

In area espositiva saranno presenti tre spazi aperti riservati alle iniziative SEPSIS Academy, AIRWAY Academy ed ECMO Academy.

Register now!

Online pre-registrations
at www.smartonweb.org
Deadline: **May 12, 2026**

Early registration
with reduced fees
Deadline: **March 30, 2026**

Call for Abstract

Online abstract submission
at www.smartonweb.org
Deadline: **April 7, 2026**

Best Abstract Award

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

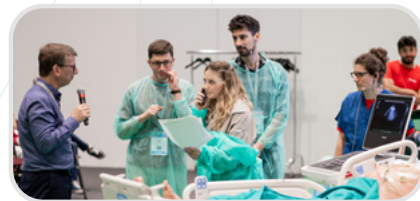
Details
at www.smartonweb.org

IV SIMULATION CHAMPIONS LEAGUE ROAD TO SMART 2026

Anche nel 2026, lo Smart in collaborazione con Accurate organizzerà una avvincente competizione a squadre di simulazione avanzata destinata a medici in formazione specialistica che si sfideranno su tematiche di anestesia, rianimazione ed emergenza.

La prima parte della competizione si svolgerà a Torino presso il Simulation Center dell'Università (1° girone) e a Parma presso il Centro di Simulazione Simula Hub (2° girone).

Le semifinali, la finale e la premiazione del team vincitore si svolgeranno a Milano durante il 37° SMART nell'High Fidelity Simulation Center allestito presso l'Allianz MiCo North Wing.

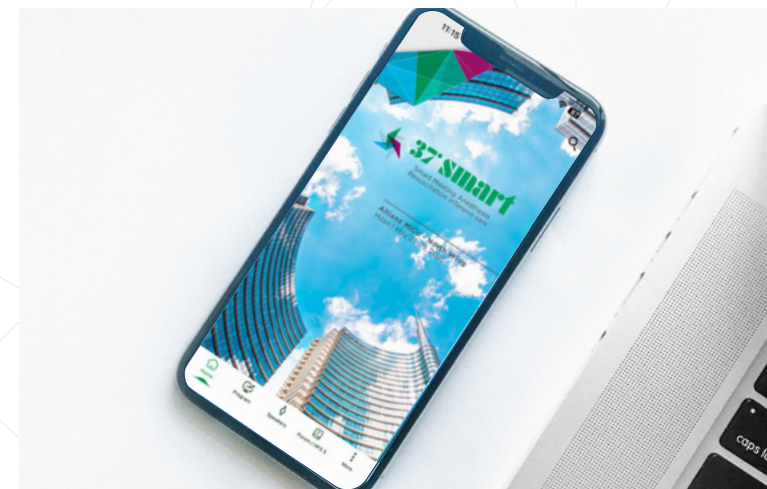


APP TO SMART

the SMART meeting at your fingertips

App dedicata disponibile per iPhone e Android.

Permette l'interazione in tempo reale, l'accesso al sistema di votazione e la disponibilità immediata di tutte le informazioni relative al convegno.



Treatable-trait ARDS and personalized ventilation

- ARDS treatable traits: biology and endotypes
- Recruitability and personalized PEEP selection
- Energy transfer to the lung: determinants of VILI
- Do males and females need different settings?
- Why ARDS trials fail

The lung–diaphragm–brain axis

- The effort zone: avoiding over- and under-assistance
- Proportional ventilation: is PAV+ the better physiological match?
- P-SILI: perhaps not so silly after all
- Diaphragm neurostimulation after RESCUE-3: timing, selection and practice

Rescue and escalation in ARDS: don't miss the window

- Oxygen targets in ARDS: from physiology to UK-ROX and beyond
- Inhaled sedation in ARDS: rationale, trials and clinical outcomes
- Recruitment, proning and NMBs: what still stands in 2026
- PEEP, preload and afterload: finding the hemodynamic sweet spot

Challenges in acute respiratory failure

- Physiology-guided management in refractory hypoxemia ineligible for ECMO
- The obese ICU patient: mechanics, oxygenation and CO₂ control
- Nitric oxide as an antimicrobial and rescue therapy in hypoxemic ARF
- Caring for two: severe ARDS in pregnancy and peripartum

Non-invasive support 2.0

- Awake proning in hypoxemia: physiology and candidates
- Peri-intubation and post-extubation support
- HFNC/NIV strategies in high-risk phenotypes
- Non-invasive support in immunocompromised ARF
- Anti-inflammatory and immunomodulatory therapies in ARDS

Extracorporeal support in ARDS: start, run and stop

- ECMO thresholds and the “pre-ECMO hour”
- The first 24 hours on ECMO: avoiding early harm
- Physiology-based ECMO weaning

Pulmonary embolism shock pathway: IR, RV rescue and ECMO

- Acute PE: shock stratification and RV injury
- Interventional radiology toolbox: lysis, catheters and clot extraction
- When PE meets ECMO: bridge, support or recovery
- Managing pulmonary hypertension in the ICU

Beyond survival: transplant, recovery and the future of organ support

- ECMO as bridge to decision/transplant: selection and timing
- Donor lungs and EVLP: expanding access
- Post-transplant critical care and chronic allograft injury
- Long-term outcomes in ARDS survivors

AI, closed-loop systems and waveform physiology

- Closed-loop ventilation: human oversight in 2026
- Digital twins for real-time decision support
- Ethics, safety and trust in AI for respiratory support
- Intelligent ICU of the future

2026 Surviving Sepsis Guidelines

- Diagnosis and initial treatments
- Antimicrobial therapy
- Additional therapies
- Heterogeneity of sepsis and guidelines
- Sepsis phenotyping and antimicrobial timing: a precision approach

Vasoactive therapy in sepsis: early and more than one?

- Andromeda 2: capillary refill time and beyond
- Early cardiac dysfunction in sepsis
- Catecholamines: the good and the bad
- Pleiotropic effects of vasopressors
- When and how at the bedside?

Pneumonia management in 2026

- VAP: microbiome and prevention
- Diagnostic rules in CAP and VAP
- Empiric antibiotic therapy in VAP
- Additional therapies in CAP
- The non-improving patient

Sepsis beyond the first hour

- Uncertain source: a pragmatic approach
- Immune treatments
- Fungal and viral infections
- The role of rehabilitation
- Metformin and the metabolic immunotherapy frontier in sepsis

Coagulopathies in the ICU: from bleeding to thrombosis

- Coagulation and hemostasis in critical illness
- Disseminated intravascular coagulation (DIC): diagnosis and management
- Trauma-induced coagulopathy and massive transfusion protocols
- Special coagulopathies in critical care (liver, obstetric, immune)
- Balancing anticoagulation and bleeding risks in the ICU

Brain under pressure: from numbers to physiology

- ICP burden vs. thresholds
- Autoregulation at the bedside: PRx to decisions
- Multimodal monitoring 2.0
- AI for prediction and prevention in ICP management

Sedation, sleep & consciousness in the Neuro-ICU

- Sedation as a secondary insult
- Brain-friendly sedation: dexmedetomidine, ketamine and beyond
- EEG-guided sedation: decoding cortical signatures

**Brain-body crossroads:
systemic physiology as neuroprotection**

- Targeted temperature management
- Oxygen and CO₂ targets: balancing brain and lung
- Glycemic control in neurocritical patients
- Ventilation strategies for brain-friendly hemodynamics

Neuroscience of anesthesia and consciousness

- Mechanisms of anesthetic-induced unconsciousness
- Cognitive recovery and EEG patterns
- Psychedelics and anesthetic research frontiers
- Safe brain initiative: from neuroprotection to cognitive recovery

Artificial Intelligence in anesthesia and perioperative care

- Integration of AI and big data analytics into perioperative care
- Risk prediction and clinical decision support systems
- Patient monitoring from pre-op to home discharge
- Closed-loop systems in anesthesia and procedural sedation

Thoracic anesthesia and perioperative protection

- Protective ventilation in thoracic anesthesia: lessons from the PROTHOR trial
- Truncal blocks in thoracic surgery: pros and cons
- ERAS in thoracic anaesthesia: pro-con debate
- Low-flow anesthesia: sustainability and safety in 2026

Perioperative brain health

- Prevention and management of postoperative cognitive dysfunction and delirium
- Advances in depth of anesthesia and nociception monitoring
- Age, frailty and EEG patterns during anesthesia
- Regional oxygen saturation, hemodynamics and anesthesia

Airway, HFNO and perioperative safety

- Starving before anesthesia and surgery: from guidelines to real life
- Risk factors including GLP-1 receptor agonists
- Gastric ultrasound and rapid sequence induction
- High flow nasal oxygen outside the ICU (OR / ward / ED)

The LMA story and everyday practice

- LMA: an amazing story
- Evolution of supraglottic airways: from original LMA to modern devices
- Mastering LMA insertion: tips and tricks
- LMA in elective surgery and pediatric anesthesia

LMA in difficult airways and future directions

- LMA vs. endotracheal tube: when and why
- LMA in the difficult airway algorithm
- Intubating LMA as a conduit for tracheal intubation
- Novel designs and materials: what's next for supraglottic airways?

Safety in anesthesia and procedural sedation

- Recommendations from Scientific Societies
- Organizational issues in safe anesthesia and sedation
- New molecules in procedural sedation: remimazolam
- The triad for safer sedation: CO₂ (detection), oxygen (high-flow), and soft drugs (remimazolam)

Prehabilitation for high-risk surgical patients

- Which patients are high-risk and benefit from prehabilitation?
- Prehabilitation during neoadjuvant therapy
- CPET for prehabilitation
- Prehabilitation for people with cancer: 2025 implementation guidelines

Enhanced recovery after cardiac surgery

- Preoperative exercise prehabilitation before major cardiac surgery
- The implementation journey
- Early postoperative extubation
- Regional anesthesia to facilitate cardiac ERAS

Donation after Circulatory Death (DCD): science to ethics

- DCD in the European landscape
- The physiology of death: from life to donation
- Normothermic regional perfusion and new technologies
- Communication, ethics and trust in DCD

Pediatric anesthesia: physiology and techniques

- Maintaining physiology during major surgery: volume, pressure, flow
- Application of POCUS in the operating room
- Perioperative management of fragile children
- TIVA/TCI vs. inhalational anesthesia

PICU: monitoring and organ support

- Indirect calorimetry in the PICU: is it necessary?
- Monitoring the critically ill child: a stepped approach
- Update on pAKI and pCRRT
- LUS and VExUS for fluid overload: lights and shadows

NIV in children

- NIV for bronchiolitis
- NIV for asthma
- NIV during transport
- NIV for respiratory insufficiency on the ward

Resuscitation guidelines 2025: what's new?

- Basic life support and defibrillation in- and out-of-hospital
- Advanced life support 2025
- Extracorporeal CPR: new guidelines
- Post-resuscitation care 2025

The future of resuscitation: evidence and ongoing trials

- Drugs and routes of administration
- New defibrillation techniques
- Protecting the brain after resuscitation
- Predicting outcome: new tools to reduce uncertainty

Identifying AKI early: biomarkers to bedside

- Functional vs. structural change in AKI
- Biomarkers of renal injury: beyond creatinine
- Early detection: insights from BigPak2
- Panel: integrating early detection into workflow

Treating AKI: timing, modality and trials

- Bicarbonate in AKI: lessons from BICAR-ICU2
- RRT Modality: CRRT vs. IHD vs. SLED (French RRT trial)
- Timing and triggers: have recent studies changed practice?
- Reducing the dose: is 20-25 ml/Kg/h still a mantra?

RRT: risks, dosing and special populations

- Dialytrauma: harm during RRT and how to prevent it
- Antimicrobial dosing during RRT
- Nutritional support during RRT
- RRT in special populations (neuro, pregnancy, liver, ECMO)

Bicarbonate and metabolic acidosis

- The physiology of NaHCO₃ administration
- NaHCO₃ in severe metabolic acidosis
- Bicarb: dead, or not yet?
- NaHCO₃ for respiratory acidosis: maybe or maybe not

Acid-base in complex ICU situations

- Metabolic acidosis in severe trauma
- Acid-base disorders induced by CRRT
- Citrate accumulation and toxicity
- AKI: what causes the base deficit?

Hematological malignancies in the ICU

- CAR-T and novel cellular therapies: early toxicities and rescue
- ICU admission for hematological malignancies: patient selection and timing
- Life-threatening immune toxicities: CRS and HLH
- Antimicrobial stewardship in the immunocompromised ICU

Protective nutrition strategies for the critically ill patient

- Metabolic stress response course: still far from the optimal marker?
- The less is more: can medical nutritional support be harmful?
- Refeeding syndrome in ICU: an avoidable second hit during critical illness?
- From anabolic resistance to feeding responsiveness: any strategies for the gentle nudge?
- From the critical illness to the general ward: nutritional approach and transition to recovery

Tailored nutritional approach during critical illness

- Malnutrition in the ICU: focus on GLIM phenotypic and etiologic criteria
- Obesity and critical care nutrition: from guidelines to clinical approach
- Nutrition during non-invasive ventilation and weaning process: more shadows than lights?
- Gastrointestinal feeding tolerance and nutritional interventions
- Ultrasound for nutritional support in ICU: from body composition to tolerance monitoring

- How to set the ventilator in five steps
- PEEP and recruitability at the bedside
- Recognizing dyssynchrony in 90 seconds
- Ventilator graphics for beginners
- ABG and acid-base in 30 seconds
- NIV/HFNC: setup and pitfalls
- The crashing ARDS patient: a rescue algorithm
- Ultrasound for heart-lung interaction
- The first hour of ECMO
- Reading the brain: how to interpret an ICU CT and MRI
- ICP monitoring made simple: from waveforms to decisions
- Sedation at the bedside: from RASS to EEG
- The crashing neuro patient: step-by-step resuscitation
- Prognostication after brain injury: what to tell families
- General anesthesia for cesarean delivery: current role & best practice
- The role of HFNO in obstetric airway management
- When is the best time to start RRT?
- CRRT vs. intermittent HD vs. SLED
- Keeping the circuit patent: anticoagulation and access
- When to stop RRT? Avoiding over-treatment and dialysis dependence
- Physical-chemical (stewart) approach in a nutshell
- Base excess: scaling up from plasma to whole body
- Partitioning base excess: a personal clinical approach
- Lactate and acidosis: you thought you knew everything
- Sodium disorders
- Potassium disorders
- Magnesium and calcium disorders
- Phosphate disorders

New direction for ICU nursing

- De-implementation of low value nursing practices
- Single-use versus multiple-use endotracheal suction catheters
- Is the back-to-basics philosophy making a comeback?
- Oral antiseptic safety

Vascular catheter management in 2025

- How can we achieve a target of zero Central Line-Associated Bloodstream Infection
- How to create and manage an infusion line
- Dressing and sutureless device in 2025

Pediatric session

- Fluid management in pediatric patients
- Continuous renal replacement therapy in pediatric patients
- Prevention of cardiac arrest in pediatric patients

Unexpected gifts of ICU admission

- Adverse events related to prone position
- Dysphagia and dysphonia
- My sleep has changed

SEPSIS ACADEMY

La Sepsis Academy, già sperimentata con successo lo scorso anno, è un'iniziativa scientifico-pratica focalizzata sulla gestione della sepsi, ospitata in uno spazio aperto nell'area espositiva. Prevede un percorso di 4 sessioni guidate da esperti e replicate nelle tre giornate congressuali, ciascuna dedicata ad una tematica di interesse.

- SESSION 1** Identification of patients and microorganisms
- SESSION 2** Antibiotic therapy
- SESSION 3** Cardiovascular management
- SESSION 4** Adjunctive therapies

AIRWAY ACADEMY

La nuova Airway Academy offre un percorso scientifico-pratico interamente dedicato alla gestione delle vie aeree. Le sessioni formative sono condotte da "EAMS Airway Teachers" all'interno di uno spazio aperto dedicato in area espositiva e prevedono un breve aggiornamento iniziale seguito da un percorso a gruppi su 4 workstation.

- WS1** From airway prediction to strategy... keyword: planning!
- WS2** Please, let me breathe! Awake intubation as a standard clinical practice
- WS3** Airway video-devices: future is now!
- WS4** Front of neck access: an airway emergency scenario... to be planned!

ECMO ACADEMY

La ECMO Academy è una nuova iniziativa SMART di taglio scientifico-pratico interamente dedicata alla gestione dell'ECMO, ospitata in uno spazio aperto nell'area espositiva. Prevede un percorso di 4 sessioni guidate da esperti e replicate nelle tre giornate congressuali, ciascuna dedicata ad una tematica di interesse.

- SESSION 1** ECMO in practice
- SESSION 2** Crisis management in ECMO
- SESSION 3** Management of patients with severe ARDS on VV-ECMO
- SESSION 4** Management of patients with severe cardiogenic shock on VA-ECMO

Sede

Allianz MiCo - North Wing

INGRESSO: **GATE 6**

Viale Scarampo angolo Viale Teodorico, Milano

Website: www.micomilano.it

Lingue ufficiali

Smart Meeting

Inglese, senza traduzione simultanea.

Comunicazioni orali e Poster

Inglese, senza traduzione simultanea.

Attività Complementari

Inglese o Italiano, senza traduzione simultanea.

Segreteria Organizzativa

Start Promotion Srl

Via Soperga, 10 - 20127 Milano - Italy

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

Email: info@startpromotion.it

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



**37°
smart**

Smart Meeting Anesthesia
Resuscitation in Tensive care

ORGANIZING SECRETARIAT

Start Promotion S.r.l.

Via Soperga, 10 - 20127 Milano Italy

Tel.: +39 02 6707 1383 | Fax: +39 02 6707 2294

info@startpromotion.it | www.startpromotion.it

www.smartonweb.org

Follow us:   