

36° smart

Smart Meeting Anesthesia
Resuscitation inTensive care

Program

Allianz MiCo - North Wing
Milan | May 7-9, 2025



ENDORSED BY



SMART

Smart Meeting Anesthesia Resuscitation inTensive care

Advancing Science and Education Since 1990

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The Luciano Gattinoni Fellowship

Advancing the Mechanistic Understanding in Critical Care Medicine

The SMART meeting is proud to introduce **The Luciano Gattinoni Fellowship**, a prestigious award dedicated to the memory of Professor Luciano Gattinoni, whose pioneering research in applied physiology and intensive care medicine fundamentally reshaped our understanding of critical illness.

This fellowship is designed to support a young clinician-scientist committed to undertaking studies that enhance the mechanistic understanding of critical illness through physiological and translational research. The goal is to promote physiological research, and clinical innovation, helping the next generation to build on Gattinoni’s legacy of challenging assumptions and advancing critical care knowledge.

The Luciano Gattinoni Fellowship will be officially awarded during the SMART 2025 meeting, celebrating a researcher dedicated to pushing the boundaries of physiological understanding in intensive care—values that defined Luciano Gattinoni’s extraordinary career.

Fellowship Award

The recipient of the Luciano Gattinoni Fellowship will receive:

- Support to undertake an intensive research attachment at a leading host institution, either nationally or internationally
- Guidance in defining their research question and methodology, with access to mentorship from leading experts
- Financial assistance to support travel, and educational expenses related to the research period
- Institutional backing and academic connections to integrate the recipient within a high-impact research environment

Eligibility Criteria

Age: Under 38 years

Field: Critical Care Medicine, Applied Physiology, and Translational Research

Research Focus: Any area contributing to a mechanistic understanding of critical illness

Publications: Proven record with first-authored research publications in applied physiology within critical care

Academic Aspiration: A strong commitment to developing an academic career in physiological and translational intensive care research

Selection Process

Applications will be reviewed by a scientific panel, evaluating candidates based on:

- Novelty and mechanistic depth of the candidate’s research
- Scientific contribution to applied physiology and critical care
- Potential impact of the proposed research
- Commitment to an academic and investigative approach in critical care medicine

Commitment

The selected fellow will be expected to:

- Undertake mechanism-driven research that advances the understanding of critical illness
- Engage in collaborative and knowledge exchange with their host institution and the wider academic community
- Present their findings in a poster at the next SMART meeting

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A

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W

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Z

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Zanier E., Milano (I)

Dear colleague,

On behalf of the Organizing Committee, we would like to thank you for attending the 2025 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 maximize 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.

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’.

Sepsis Academy

The Sepsis Academy is a dynamic, one-day event designed to advance clinical practice in sepsis management through four focused sessions. This program addresses critical and often unresolved challenges, aiming to improve early diagnosis, refine treatment protocols, and promote interdisciplinary collaboration. Participants will explore key topics such as patient identification, antibiotic stewardship, hemodynamic optimization, and adjunctive therapies. Interactive and engaging teaching methodologies, including microsimulation, ballots, and hands-on activities, will be employed in a familiar and approachable format to enhance learning and practical application. While it is recommended to attend all four sessions to gain comprehensive insights, participants may choose to attend only one session if it aligns with their specific interests.

CONNECT Session

This session is curated by the CONNECT (Colonia Initiative for Networking, Novel Education, Critical Care, and Translational Physiology) group, and aims to spark curiosity and debate among young intensivists. Each topic will be explored starting from ‘a child’s questions’ and leading to ‘an adult’s experiments’.

PROGRAM

Never stop being amazed or asking “why”. Do not be satisfied with superficial answers but try to develop curiosity with perseverance and determination so as to uncover every hidden mechanism within the physiological processes of our wonderful discipline. Only by doing so, you will continue to learn, grow and keep on broadening the boundaries of knowledge.



Luciano Gattinoni

OCEAN 1 HALL / h 9.00 - 9.30

Luciano Gattinoni is still with us

Introduction: L. Camporota, A. Pesenti

For almost 40 years Luciano Gattinoni has been the ‘soul’ of the SMART meeting. This year, for the first time, we have to open the event without him. To feel him closer to all of us, we entrust him with the opening lecture which summarizes the contents of his last lesson given at the Specialization Schools of Milano Bicocca, Torino and Milano San Raffaele.

Lectio Magistralis ARDS: the physiological basis for a rationale therapy (in my opinion)

OCEAN 1 HALL	OCEAN 2 HALL	OCEAN 3 HALL	OCEAN 4 HALL
<div>OPTIMIZING PATIENT-VENTILATOR INTERACTION Chairpersons: S. Jaber, T. Mauri</div> <div>9.30 Ventilatory assistance and patient effort: not such a complex relationship G. Bellani</div> <div>9.50 Assessing inspiratory effort: Pocc vs P0.1 A. Coppadoro</div> <div>10.10 PMI is my preferred method G. Foti</div> <div>10.30 Modulating respiratory drive and effort: clinical considerations M. Antonelli</div> <div>10.50 Discussion</div> <div>11.00 Break and Exhibition Visit</div> <div>11.30 - 12.30 ROUND TABLE ECMO CIRCUIT & MEMBRANE LUNG MANAGEMENT Moderators: K. Palmer, M. Panigada</div> <div>When should we change the membrane lung or the circuit? Panel: M. Belliato, L. Grazioli, C. Meadows, A. Pesenti</div> <div>12.30 Lunch Break</div>	<div>HOW TO REDUCE POSTOPERATIVE COMPLICATIONS Chairpersons: H. Amirfarzan, A. Pedoto</div> <div>9.30 Pulmonary L. Ball</div> <div>9.45 Renal M. Sadjadi</div> <div>10.00 EEG monitoring H. Amirfarzan</div> <div>10.15 Surgical site infection M. Sartelli</div> <div>10.30 A remote continuous early warning system for perioperative care E.G. Bignami</div> <div>10.45 Discussion</div> <div>11.00 Break and Exhibition Visit</div> <div>11.30 - 12.30 CONNECT SESSION Chairpersons: F. Collino, T. Tonetti Facilitators: L. Camporota, D. Payen</div> <div>The idea behind...</div> <div>Mechanical power T. Tonetti</div> <div>Hypoxemia F. Collino</div> <div>Recruitment S. Giovanazzi</div> <div>Questions</div> <div>12.30 - 12.45 LUCIANO GATTINONI FELLOWSHIP AWARD CEREMONY</div> <div>12.45 Lunch Break</div>	<div>TUTORIALS RESPIRATORY PATHOPHYSIOLOGY Presenter: T. Tonetti</div> <div>9.30 Oxygen transport and delivery E. Rezoagli</div> <div>10.00 Heart-lung interaction M. Cecconi</div> <div>10.30 Understanding lung mechanics G. Bellani</div> <div>11.00 Break and Exhibition Visit</div> <div>TUTORIALS ARDS Presenter: G. Grasselli</div> <div>11.30 Lung imaging in ARDS L. Ball</div> <div>12.00 Setting the ventilator in ARDS L. Piquilloud</div> <div>12.30 Lunch Break</div>	<div>PERIOPERATIVE HEMODYNAMIC MANAGEMENT Chairpersons: D. Payen, S. Romagnoli</div> <div>10.00 How to monitor hemodynamics intraoperatively? F. Michard</div> <div>10.20 How to manage intraoperative fluid therapy? P. Caironi</div> <div>10.40 Potential role of urinary electrolyte monitoring S. Romagnoli</div> <div>11.00 Break and Exhibition Visit</div> <div>11.15 - 12.30 INVESTIGATOR MEETING Studio PREVENTION (Preventing caRdiovascular collapse with VasoprEssors during Tracheal IntubatiON) P.I.: V. Russotto</div> <div>12.30 Lunch Break</div>

AQUA 3 HALL	SKY 2 HALL	WESMART SPACE	AQUA 1 HALL
<div>OPTIMIZING VENTILATORY STRATEGIES FOR SPECIFIC PATIENT POPULATIONS Chairpersons: L. Berra, L. Mascia</div> <div>9.30 Oncohematologic patients G. Grasselli</div> <div>9.50 Ventilation in brain-injured patients: balancing oxygenation, CO2, and cerebral perfusion L. Mascia</div> <div>10.10 Chest trauma and mechanical ventilation: from rib fractures to severe lung contusion G. Bellani</div> <div>10.30 ARDS in the severely obese L. Berra</div> <div>10.50 Discussion</div> <div>11.00 Break and Exhibition Visit</div> <div>TRENDING TOPICS IN PEDIATRIC ANESTHESIA Chairpersons: T. Riva, F. Sbaraglia</div> <div>11.30 Regional blocks and opioid sparing target: is it the future for pediatric anesthesia? V. Mossetti</div> <div>11.50 Lights and shadows of pediatric ERAS: what we have already done F. Tosi</div> <div>12.10 Lights and shadows of pediatric ERAS: what we still have to do F. Sbaraglia</div> <div>12.30 Lunch Break</div>	<div>OPTIMIZING VENTILATORY STRATEGIES FOR SPECIFIC PATIENT POPULATIONS Chairpersons: L. Berra, L. Mascia</div> <div>9.30 Oncohematologic patients G. Grasselli</div> <div>9.50 Ventilation in brain-injured patients: balancing oxygenation, CO2, and cerebral perfusion L. Mascia</div> <div>10.10 Chest trauma and mechanical ventilation: from rib fractures to severe lung contusion G. Bellani</div> <div>10.30 ARDS in the severely obese L. Berra</div> <div>10.50 Discussion</div> <div>11.00 Break and Exhibition Visit</div> <div>PALLIATIVE CARE & ICU ETHICS Chairpersons: E. Azoulay, L. Gregoretti</div> <div>11.30 Noninvasive respiratory support in palliative care E. Azoulay</div> <div>11.50 Analgesia and sedation in end-of-life ICU care M. Quintel</div> <div>12.10 Goal-directed communication strategies in ICU palliative care G. Mistraretti</div> <div>12.30 Lunch Break</div>	<div>SEPSIS ACADEMY 10.00 - 11.00 SESSION 1 IDENTIFICATION OF PATIENTS AND MICROORGANISMS Experts: S. Busani, M. Giannella, G. Montrucchio, B. Viaggi</div> <div>► Clinical signs and triggering score Interactive lectures</div> <div>► Biomarkers Microsimulation with ballot</div> <div>► Fast microbiology Practical issues</div> <div>11.00 Break and Exhibition Visit</div> <div>For all details see page 27</div>	<div>FORUM SPACE</div> <div>10.00 - 11.00 SIMULATION SESSION ASSESSMENT OF ESOPHAGEAL PRESSURE AND RESPIRATORY EFFORT Presenter: L. Camporota Speakers: F. Collino, S. Coppola Supported by SIDAM & SEDA</div> <div>11.30 - 12.30 SIMULATION SESSION ALVEOLAR RECRUITMENT AND PEEP SETTING BASED ON RESPIRATORY MECHANICS Speakers: G. Foti, E. Rezoagli Supported by DRAEGER</div> <div>For all details see page 32</div>

OCEAN 1 HALL	OCEAN 2 HALL	OCEAN 3 HALL	OCEAN 4 HALL
<p>12.45 - 14.15 LUNCH SESSION GAS THERAPEUTICS Chairpersons: L. Brochard, A. Pesenti <i>Supported by AIR LIQUIDE</i> <i>Supported by SIAD</i></p> <p>12.45 Argon and hydrogen in cardiac arrest G. Ristagno</p> <p>13.00 Therapeutic gases and the role of airway opening pressure L. Brochard</p> <p>13.15 Beyond vasodilation: nitric oxide to prevent organ injury in cardiac surgery S. Cenci</p> <p>13.30 Nitric oxide gas as an antimicrobial L. Berra</p> <p>13.45 Round Table All Speakers</p> <p>OPTIMIZING ECMO IN ARDS Chairpersons: L. Camporota, C. Meadows</p> <p>14.30 Veno-pulmonary bypass: advantages and limitations A. Mekontso Dessap</p> <p>14.50 How many ECMO centers do we need? The Italian perspective G. Foti</p> <p>15.10 Role of CT-Scan in ECMO patients L. Camporota</p> <p>15.30 PRONE position during ECMO: when and how? M. Giani</p> <p>15.50 Discussion</p> <p>16.00 Break and Exhibition Visit</p> <p>WEANING & VENTILATOR SETTINGS IN ECMO Chairpersons: V. Fanelli, A. Pesenti</p> <p>16.30 Physiological dead space as an ECMO weaning indicator L. Camporota</p> <p>16.50 How to select respiratory rate during ECMO? A. Pesenti</p> <p>17.10 Setting PEEP and tidal volume in ECMO patients C. Meadows</p> <p>17.30 Spontaneous breathing before ECMO decannulation: when and why? T. Mauri</p> <p>17.50 Discussion</p>	<p>SUBPHENOTYPING AND PERSONALIZED APPROACHES TO ARDS Chairpersons: J. Laffey, L. Piquilloud</p> <p>14.30 ROUND TABLE ARDS subphenotyping in real life: can we apply it? Panel: D.L. Grieco, V.M. Ranieri, A. Slutsky, E. Spinelli</p> <p>15.30 Lung microbiota and its role in ARDS progression A. Bandera</p> <p>15.45 Cell-based therapy in ARDS patients: state of the art J. Laffey</p> <p>16.00 Personalized therapies for ARDS: the future of treatment N. Patroniti</p> <p>16.15 Break and Exhibition Visit</p> <p>ACID-BASE: SIMPLE, SIMPLER, THE SIMPLEST Chairpersons: T. Langer, F. Zadek</p> <p>16.30 Stewart light for ICU doctors: introducing the concept N. Van Regenmortel</p> <p>16.50 Clinical use of simplified electroneutrality-based models S. Brusatori</p> <p>17.10 Errors and biases of simplified electroneutrality-based models F. Duska</p> <p>17.30 Simplified electroneutrality-based models at extremes of pH L. Giosa</p> <p>17.50 Discussion</p>	<p>TUTORIALS ECMO Presenter: A. Zanella</p> <p>14.30 Understanding gas exchange during ECMO M. Giani</p> <p>15.00 va-ECMO M. Belliato</p> <p>15.30 vv-ECMO V. Fanelli</p> <p>16.00 Break and Exhibition Visit</p> <p>TUTORIALS CARDIOVASCULAR ISSUES IN ICU Presenter: G. Paternoster</p> <p>16.30 Atrial fibrillation A. Morelli</p> <p>17.00 Vasopressors F. Guarracino</p> <p>17.30 Inotropes R. Fumagalli</p> <p>18.00 Ultrasound phenotype cardiac dysfunction G. Tavazzi</p>	<p>FRIDAY NIGHT ADMISSION & MONDAY MORNING CLINICAL ROUND (WITH THE ICU CHIEF) Chairperson: R. Fumagalli</p> <p>14.30 Patient with refractory out-of-hospital cardiac arrest <i>Friday night admission</i> A. Pellegrini <i>Monday morning round with</i> M. Belliato</p> <p>15.00 Patient with a severe ARDS and Legionella infection <i>Friday night admission</i> E. Rezoagli <i>Monday morning round with</i> G. Foti</p> <p>15.30 Patient admitted with Type B aortic dissection <i>Friday night admission</i> V. Tolio <i>Monday morning round with</i> G. Paternoster</p> <p>16.00 Break and Exhibition Visit</p> <p>16.30 - 18.00 PRO-CON & ROUND TABLE E-CPR ARENA <i>In collaboration with ITACTAIC</i> Chairpersons: L. Lamhaut, G. Paternoster</p> <p>E-CPR should be the standard of care L. Lamhaut</p> <p>E-CPR: nice to have but not a standard of care F. Sangalli</p> <p>ROUND TABLE <i>Discussion with pre-set questions</i> Discussants: L. Grazioli, A. Rubino, G. Tavazzi, C. Vandenbriele</p>

AQUA 3 HALL	SKY 2 HALL	WESMART SPACE	AQUA 1 HALL
<p>13.00 - 14.00 LUNCH SESSION CONNECTING BEYOND THE LUNG Chairpersons: G. Catozzi, T. Pozzi Facilitators: L. Giosa, D. Payen</p> <p>Acid base S. Brusatori</p> <p>Mechanical ventilation and kidney function S. Gattarello</p> <p>Fluids as determinant of VILI T. Pozzi</p> <p>Questions</p> <p>PEDIATRIC ANESTHESIA Chairpersons: V. Mossetti, F. Tosi</p> <p>14.30 Apneic oxygenation during pediatric tracheal intubation R. Bonfiglio</p> <p>14.50 Could neuromonitoring support the provider during Total Intravenous Anesthesia? V. Marchesini</p> <p>15.10 Evidence and perspective for Remimazolam F. Monaco</p> <p>15.30 Pediatric airway management: what everyone should know T. Riva</p> <p>15.50 Discussion</p> <p>16.00 Break and Exhibition Visit</p> <p>HOT TOPICS IN PEDIATRIC ICU Chairpersons: G. Conti, D. De Luca</p> <p>16.30 Neonatal extracorporeal CRRT D. De Luca</p> <p>16.50 Non transplant options and liver support in pediatric acute liver failure A. Deep</p> <p>17.10 Severe pertussis in PICU M. Piastra</p> <p>17.30 Pediatric ECMO: where are we going? M. Di Nardo</p> <p>17.50 Challenges in the medical evacuation of children from war zones A. Moscatelli</p>	<p>12.45 - 14.15 LUNCH SESSION CLINICAL CHALLENGES IN THE ICU AND ADVANCED EXTRACORPOREAL ORGAN SUPPORT <i>Supported by ESTOR</i> Chairpersons: D. Battaglini, S. De Rosa</p> <p>12.45 Sepsis-Associated AKI (SA-AKI): definitions and potential role of PMMA-based CRRT M. Fiorentino</p> <p>13.10 Endotoxic (septic) shock and Polymyxin B hemoadsorption: why and when S.L. Cutuli</p> <p>13.35 ECCO2R as bridge to lung recovery in ARF: when and how D. Hofmaenner</p> <p>14.00 Discussion</p> <p>ORGAN FAILURE IN SEPSIS Chairpersons: L. Brazzi, J.L. Vincent</p> <p>14.30 A common mechanism for organ failure M. Singer</p> <p>14.50 Cerebral dysfunction in sepsis C. Robba</p> <p>15.10 Mechanism and outcome of kidney dysfunction M. Ostermann</p> <p>15.30 Endothelium and coagulation N. Nielsen</p> <p>15.50 Discussion</p> <p>16.00 Break and Exhibition Visit</p> <p>SPECIFIC THERAPIES FOR SPECIFIC POPULATIONS Chairpersons: E.G. Bignami, A. De Gasperi</p> <p>16.30 Hematological patients G. Grasselli</p> <p>16.50 Liver failure A. Conway Morris</p> <p>17.10 Toxic Septic Shock Syndrome A. Nierhaus</p> <p>17.30 Immuno-paralyzed patients F. Forfori</p> <p>17.50 Discussion</p>	<p>SEPSIS ACADEMY 13.30 - 14.30 SESSION 2 ANTIBIOTIC THERAPY Experts: G. De Pascale, M. Giannella, G. Montrucchio, B. Viaggi</p> <p>► Empiric antibiotic therapy <i>Interactive lectures</i></p> <p>► Tailored antibiotic therapy in CAP/VAP and abdominal infections <i>Microsimulation with ballot</i></p> <p>► Fungal infections in ICU <i>Academic</i></p> <p>SEPSIS ACADEMY 15.00 - 16.00 SESSION 3 CARDIOVASCULAR MANAGEMENT Experts: K. Donadello, A. Donati, M. Girardis, G. Grasselli</p> <p>► Fluid therapy <i>Interactive lectures</i></p> <p>► Monitoring <i>Workshop: theory and practice</i></p> <p>► Vasopressors and inotropes <i>Microsimulation with ballot</i></p> <p>16.00 Break and Exhibition Visit</p> <p>SEPSIS ACADEMY 16.30 - 17.30 SESSION 4 ADJUNCTIVE THERAPIES Experts: S. Busani, S. De Rosa, A. Donati, F. Forfori</p> <p>► Steroids <i>Interactive lectures</i></p> <p>► Immunoglobulins <i>Microsimulation</i></p> <p>► Blood purification <i>Workshop: theory and practice</i></p> <p>For all details see page 27</p>	<p>FORUM SPACE 13.00 - 14.00 WORKSHOP OLD TECHNIQUES AND NEW ADJUNCTS IN AIRWAY MANAGEMENT Chairpersons: S. Runnels, V. Russotto <i>Supported by SEDA</i></p> <p>The evolution of Bougies – 80 years on M. Sorbello</p> <p>The new friend: Bougie 2.0 S. Runnels</p> <p>Awake intubation: old and new G. Cortese</p> <p><i>A Lunch Bag will be offered to participants.</i></p> <p>14.30 - 15.30 WORKSHOP CONTINUOUS URINARY ELECTROLYTE MONITORING BY K.I.N.G.®: CLINICAL APPLICATIONS <i>Supported by KURES</i></p> <p>Why real-time monitoring of urinary electrolytes? Needs, applications and potentialities P. Caironi</p> <p>Urinary electrolyte monitoring in acute decompensated heart failure D. Chiumello</p> <p>Urinary ammonium: a new biomarker of kidney dysfunction? S. Romagnoli</p> <p>16.00 - 17.00 SIMULATION SESSION IMPELLA® IN CARDIOGENIC SHOCK: INDICATION, MANAGEMENT AND TROUBLESHOOTING Speakers: G. Tavazzi, A.M. Scandroglio, C. Vandenbriele <i>Supported by JOHNSON & JOHNSON MEDTECH</i></p> <p><i>A Coffee Bag will be offered to participants.</i></p> <p>For all details see page 32</p>

OCEAN 1 HALL	OCEAN 2 HALL	OCEAN 3 HALL	OCEAN 4 HALL
AIRWAY MANAGEMENT <i>In collaboration with EAMS</i> Chairpersons: R. Cataldo, M. Leo	MY CHOICE IN ANESTHESIA Chairpersons: E.G. Bignami, M. Senturk	TUTORIALS KIDNEY AND FLUIDS Presenter: V. Fanelli	SEDATION, WEANING & PATIENT OUTCOMES Chairpersons: G. Grasselli, J. Laffey
9.00 Airway Guidelines in the operating room: just theory or useful practice? G. Cortese	9.00 Monitoring F. Michard	9.00 Basic renal physiology S. De Rosa	9.00 Are we sedating our patients too much? J.L. Vincent
9.20 Cannot oxygenate cannot ventilate scenario: time to plan for it? F. Valenza	9.20 Fluids A. Messina	9.30 Managing oliguria M. Ostermann	9.20 What has WEAN SAFE taught us? The future of weaning research J. Laffey
9.40 Human factors in airway management: should we care about them? M. Sorbello	9.40 Drugs F. Barbani	10.00 Fluids and electrolytes balance in ICU T. Langer	9.40 Sedation with volatile anesthetics in the ICU J.M. Constantin
	10.00 Analgesia: blocks and neuraxial A. Tognù	10.30 Extracorporeal renal support S. Romagnoli	10.00 Tracheostomy and weaning: timing, technique, and long-term outcomes D. Battaglini
	10.20 Temperature control A. De Gasperi	11.00 <i>Break and Exhibition Visit</i>	10.20 Nitric oxide inhalation: more than just a pulmonary vasodilator L. Berra
	10.40 <i>Discussion</i>		10.40 <i>Discussion</i>
	11.00 <i>Break and Exhibition Visit</i>	TUTORIALS PATIENT-CENTERED CARE Presenter: A. De Gasperi	11.00 <i>Break and Exhibition Visit</i>
MECHANICAL VENTILATION MODES IN ARDS Chairpersons: J.J. Marini, M. Quintel		11.30 Early mobilization S. Piva	
10.00 Volume control: my preferred mode T. Tonetti	CARDIOPULMONARY RESUSCITATION GUIDELINES 2025 - WHAT I WOULD LIKE TO SEE IN... Chairpersons: G. Ristagno, C. Robba	12.00 Family in ICU G. Mistraretti	
10.20 Pressure control: why I prefer it O. Moerer	11.30 Basic life support and defibrillation G. Ristagno	12.30 <i>Lunch Break</i>	RECENT FINDINGS AND PERSPECTIVES IN NHF IN RESPIRATORY SUPPORT, ANESTHESIA AND SEDATION <i>Supported by Fisher & Paykel Healthcare</i> Chairperson: G. Grasselli
10.40 Time-Controlled Adapted Ventilation (TCAV): the next frontier J.C. Richard	11.50 Drugs, ventilations and new devices M. Skrifvars		11.30 News on physiology of NHF: 'optimal' flow, asymmetric interfaces et al. T. Mauri
11.00 <i>Break and Exhibition Visit</i>	12.10 Post-cardiac arrest management C. Sandroni		11.50 NHF during anesthesia: time to switch and recent evolutions A. Patel
	12.30 <i>Lunch Break</i>		12.10 NHF in sedation: safety and efficiency S. Romagnoli
POCUS <i>In collaboration with ITACTAIC</i> Chairpersons: A. Rubino, F. Sangalli			12.30 <i>Lunch Break</i>
11.30 Perioperative role of lung ultrasound (LUS) L. Gargani			
11.50 Focused transesophageal echocardiography: when, how and why F. Sangalli			
12.10 Basic and advanced perioperative ultrasound G. Tavazzi			
12.30 <i>Lunch Break</i>			

AQUA 3 HALL	SKY 2 HALL	WESMART SPACE	AQUA 1 HALL
FRIDAY NIGHT ADMISSION & MONDAY MORNING CLINICAL ROUND (WITH THE ICU CHIEF) Chairperson: P. Caironi	FALSE MYTHS OF ANTIBIOTIC THERAPY IN ICU Chairpersons: M. Antonelli, A. Conway Morris	SEPSIS ACADEMY 10.00 - 11.00 SESSION 1 IDENTIFICATION OF PATIENTS AND MICROORGANISMS Experts: S. Busani, M. Giannella, G. Montrucchio, B. Viaggi	FORUM SPACE 9.30 - 11.00 SIMULATION SESSION OVERVIEW OF E-CPR CONCEPTS AND ITS CLINICAL RELEVANCE. CANNULATION TECHNIQUES TIPS AND TRICKS Speakers: M. Belliato, J. Bulmer, L. Camporota, C. Meadows, D. Taylor <i>Supported by EUROSETS</i>
9.00 Patient with severe electrolytes alterations <i>Friday night admission</i> L. Giosa <i>Monday morning round with</i> C. Ichai	9.00 Antibiotic therapy within 3 hours A. Conway Morris	► Clinical signs and triggering score <i>Interactive lectures</i>	
9.30 Malnourished patient with septic shock <i>Friday night admission</i> M. Umbrello <i>Monday morning round with</i> M. Berger	9.20 Antifungal therapy as soon as possible P. Povoa	► Biomarkers <i>Microsimulation with ballot</i>	
	9.40 Therapy should last at least 7 days I. Martin-Loeches	► Fast microbiology <i>Practical issues</i>	
	10.00 MDR infections are more lethal M. Giannella	11.00 <i>Break and Exhibition Visit</i>	
	10.20 Nebulization in VAP doesn't work G. De Pascale		
	10.40 <i>Discussion</i>		
	11.00 <i>Break and Exhibition Visit</i>		
PLUG SESSION NOVEL ADVANCES IN SPONTANEOUS BREATHING PATHOPHYSIOLOGY Chairpersons: T. Mauri, D. Talmor			
10.00 EIT to understand physiology at the bedside L. Brochard	DEBATE BIOMARKERS IN SEPSIS: LESS IS MORE? Chairpersons: M. Girardis, D. Payen		
10.20 Transition from controlled to assisted ventilation L. Piquilloud	11.30 Yes, it is P. Povoa		
10.40 Phrenic nerve stimulation S. Jaber	11.50 No, it isn't G. Montrucchio		
11.00 <i>Break and Exhibition Visit</i>	12.10 Maybe I. Martin-Loeches		
	12.30 Prognostic value of circulating biomarkers R. Latini		
THE OBESE PATIENT IN THE OR: TIPS AND TRICKS FOR AN OPTIMAL MANAGEMENT Chairpersons: L. Brazzi, F. Piccioni	12.50 <i>Discussion</i>		
11.30 The obese in OR: Houston, do we have a problem? G. Cortese	13.00 <i>Lunch Break</i>		
11.50 Which monitoring for optimal management? C. Ferrari			
12.10 The perioperative management of the obese patient: pay attention to...? L. Berra			
12.30 <i>Lunch Break</i>			
		For all details see page 27	For all details see page 32

OCEAN 1 HALL	OCEAN 2 HALL	OCEAN 3 HALL	OCEAN 4 HALL
<p>12.45 - 14.15 LUNCH SESSION EFFECTS OF SINGLE DEVICE DRIVEN SIMULTANEOUS MULTIORGAN SUPPORT ON BODY ENERGY DEMANDS AND CONSUMPTION <i>Supported by ADVITOS</i> Chairpersons: O. Moerer, M. Quintel</p> <p>Reasoning and underlying physiology M. Quintel</p> <p>Effects of multiorgan support on O2 consumption and energy demands in a physiologic model of organ strain S. Gattarello</p> <p>Effects of multiorgan support on O2 consumption and energy demands and course in a lipopolysaccharide model of sepsis M. Caronna</p> <p>Discussion</p> <p>UPDATES IN CARDIOPULMONARY BYPASS <i>In collaboration with ITACTAIC</i> Chairpersons: G. Paternoster, C. Vandenbriele</p> <p>14.30 Goal-directed perfusion during cardiopulmonary bypass M. Ranucci</p> <p>14.50 AKI prevention during cardiopulmonary bypass M. Sadjadi</p> <p>15.10 Difficult weaning V. Von Dossow</p> <p>15.30 Cardiopulmonary bypass guidelines 2024 M. Milojevic</p> <p>15.50 Discussion</p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>16.30 - 18.00 ROUND TABLE GLOBAL NEEDS IN SURGERY, ANESTHESIA AND CRITICAL CARE: TIME TO ACT Chairpersons: E.G. Bignami, R. Miccio Discussants: A. Bhangu, K. Blanchet, L. Pisani, G. Portella, J. Slavkovsky</p>	<p>ERAS PROGRAMS AND MULTIMODAL PRE-HABILITATION Chairpersons: H. Amirfarzan, F. Piccioni</p> <p>14.30 LECTURE From the first-steps to 2025 O. Ljungqvist</p> <p>15.00 Evidences and perspectives G. Baldini</p> <p>15.20 How to do it in practice O.D. Cambroner</p> <p>15.40 ERAS and multimodal pre-habilitation in cardio-thoracic surgery patients: mith or reality? H. Amirfarzan</p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>CHALLENGES IN THORACIC ANESTHESIA Chairpersons: F. Barbani, M. Senturk</p> <p>16.30 Gas exchange in one-lung ventilation F. Piccioni</p> <p>16.50 Perioperative analgesia management F. Valenza</p> <p>17.10 Airway management M. Senturk</p> <p>17.30 Mass in the chest, what to do A. Pedoto</p> <p>17.50 Discussion</p>	<p>TUTORIALS NEUROLOGICAL EMERGENCIES Presenter: F. Rasulo</p> <p>14.30 Coma R. Helbok</p> <p>15.00 Brain imaging in the comatose patient V. Newcombe</p> <p>15.30 EEG in ICU A. Addis</p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>TUTORIALS ORGAN PERFUSION AND FUNCTION Presenter: C. Ichai</p> <p>16.30 Inflammation in critically ill patients D. Payen</p> <p>17.00 Acid-base equilibrium in a nutshell L. Giosa</p> <p>17.30 Pathophysiology of gas exchange derangements M. Busana</p>	<p>SETTING VENTILATOR PARAMETERS IN ASSISTED VENTILATION Chairpersons: G. Bellani, J.J. Marini</p> <p>14.30 Can we measure driving pressure in assisted ventilation? G. Bellani</p> <p>14.50 Pressure control + spontaneous breathing vs. volume assist control in ARDS: what's best? J.C. Richard</p> <p>15.10 Detecting respiratory muscle fatigue and weakness in ARDS O. Roca Gas</p> <p>15.30 High occlusion pressure and mortality in mechanically ventilated patients S. Jaber</p> <p>15.50 Discussion</p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>HOW TO SET PEEP IN ARDS Chairpersons: L. Brochard, T. Mauri</p> <p>16.30 PEEP by the ARDS network table and oxygenation D. Talmor</p> <p>16.50 PEEP selection based on CT-scan D. Chiumello</p> <p>17.10 PEEP guided by lung mechanics and recruitment potential D.L. Grieco</p> <p>17.30 EIT for PEEP optimization T. Mauri</p> <p>17.50 Discussion</p>

AQUA 3 HALL	SKY 2 HALL	WESMART SPACE	AQUA 1 HALL
<p>12.45 - 14.15 LUNCH SESSION SEPSIS 2025: EVOLVING CONCEPTS AND CHALLENGES <i>Supported by GRIFOLS</i> Chairpersons: E. Giamarellos-Bourboulis, M. Girardis</p> <p>12.45 Pathophysiology of the damages in sepsis before multiorgan dysfunction: the key role of IgM A. Nierhaus</p> <p>13.00 Personalized approach to sepsis: from bench to bedside E. Giamarellos-Bourboulis</p> <p>13.15 The e-IgM in MDR infections: data from a long-lasting experience in clinical practice S. Busani</p> <p>13.30 How to identify patients who might benefit from e-IgM G. Montrucchio</p> <p>13.45 Round Table All Speakers</p> <p>ALTERNATIVE VENTILATION STRATEGIES & RESCUE TREATMENTS Chairpersons: G. Foti, A. Pesenti</p> <p>14.30 Airway Pressure Release Ventilation (TCAV): my preferred strategy! L. Camporota</p> <p>14.50 APRV: reasons to be cautious D. Talmor</p> <p>15.10 Sigh breaths: can they reduce VILI? E. Rezoagli</p> <p>15.30 Esophageal pressure-guided ventilation: the next step? F. Collino</p> <p>15.50 Discussion</p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>THE CUTTING EDGE IN NEUROINTENSIVE CARE Chairpersons: G. Citerio, V. Newcombe</p> <p>16.30 EEG in neurointensive care A. Addis</p> <p>16.50 ICP 2.0: toward a personalized approach G. Meyfroidt</p> <p>17.10 Noninvasive ICP monitoring: fact or fiction? C. Robba</p> <p>17.30 Brain oxygenation: useful or not? R. Helbok</p> <p>17.50 Discussion</p>	<p>SEVERE COMMUNITY ACQUIRED PNEUMONIA IN 2025 Chairpersons: A. Bandera, I. Martin-Loeches</p> <p>14.30 Which are the bugs... outside the box? C. Tascini</p> <p>14.50 Beyond first-line anti-infective therapy P. Povoa</p> <p>15.10 Shall we really need fast and molecular microbiology? G. De Pascale</p> <p>15.30 Role of steroids and other adjuvants S. Busani</p> <p>15.50 Discussion</p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>HOW TO IMPROVE TISSUE PERFUSION IN SEPTIC SHOCK Chairpersons: M. Antonelli, M. Singer</p> <p>16.30 DO2 optimization: still the polar star A. Messina</p> <p>16.50 Vasopressors: two is better than one M. Leone</p> <p>17.10 I prefer to optimize microcirculation A. Donati</p> <p>17.30 Mitochondrial resuscitation M. Singer</p> <p>17.50 Discussion</p>	<p>SEPSIS ACADEMY 13.30 - 14.30 SESSION 2 ANTIBIOTIC THERAPY Experts: G. De Pascale, M. Giannella, G. Montrucchio, B. Viaggi</p> <p>► Empiric antibiotic therapy <i>Interactive lectures</i></p> <p>► Tailored antibiotic therapy in CAP/VAP and abdominal infections <i>Microsimulation with ballot</i></p> <p>► Fungal infections in ICU <i>Academic</i></p> <p>SEPSIS ACADEMY 15.00 - 16.00 SESSION 3 CARDIOVASCULAR MANAGEMENT Experts: K. Donadello, A. Donati, M. Girardis, G. Grasselli</p> <p>► Fluid therapy <i>Interactive lectures</i></p> <p>► Monitoring <i>Workshop: theory and practice</i></p> <p>► Vasopressors and inotropes <i>Microsimulation with ballot</i></p> <p>16.00 <i>Break and Exhibition Visit</i></p> <p>SEPSIS ACADEMY 16.30 - 17.30 SESSION 4 ADJUNCTIVE THERAPIES Experts: S. Busani, S. De Rosa, A. Donati, F. Forfori</p> <p>► Steroids <i>Interactive lectures</i></p> <p>► Immunoglobulins <i>Microsimulation</i></p> <p>► Blood purification <i>Workshop: theory and practice</i></p> <p>For all details see page 27</p>	<p>FORUM SPACE 13.00 - 14.00 WORKSHOP CLINICAL ARTIFICIAL INTELLIGENCE & ACUTE KIDNEY INJURY Chairperson: A. Ancona <i>Supported by U-CARE MEDICAL</i></p> <p>Acute kidney injury: epidemiology and prevention strategies G. Villa</p> <p>Clinical validation and implementation of an AI-based solution for acute kidney injury C. Votta</p> <p>Demonstration of the U-Care Renal Platform, a software for AKI prevention and management E. Perpignano</p> <p><i>A Lunch Bag will be offered to participants.</i></p> <p>15.00 - 16.30 SIMULATION SESSION OVERVIEW OF E-CPR CONCEPTS AND ITS CLINICAL RELEVANCE. CANNULATION TECHNIQUES TIPS AND TRICKS Speakers: M. Belliato, J. Bulmer, L. Camporota, C. Meadows, D. Taylor <i>Supported by EUROSETS</i></p> <p>17.00 - 18.00 SIMULATION SESSION OPTIFLOW THRIVE™: TRICKS AND TIPS FOR IMPROVED PRACTICE Speakers: A. Patel, S. Romagnoli <i>Supported by FISHER & PAYKEL</i></p> <p>For all details see page 32</p>

OCEAN 1 HALL	OCEAN 2 HALL	OCEAN 3 HALL	OCEAN 4 HALL
NEUROINTENSIVE CARE REINVENTED Chairpersons: G. Meyfroidt, E. Zanier	ANESTHESIA IN CO-EXISTING DISEASE Chairpersons: A. De Gasperi, A. Pedoto	TUTORIALS INFECTIONS Presenter: P. Povia	9.00 - 11.00 ROUND TABLE OPEN QUESTIONS IN ARDS Chairpersons: A. Pesenti, A. Slutsky Panel: L. Brochard, S. Gattarello, T. Mauri, V.M. Ranieri
9.00 Rethinking TBI treatment strategies: the ACS TQIP Best Practices Guidelines G. Citerio	9.00 Arrhythmias A. Morelli	9.00 How to interpret an antibiogram C. Tascini	Lung fibrosis in ARDS: irreversible or reversible?
9.20 Blood biomarkers: the new compass in TBI phenotyping, treatment, and prognosis V. Newcombe	9.20 Hemostasis M. Ranucci	9.30 Steroids in sepsis N. Nielsen	Does recruitment promote lung healing?
9.40 Fluids and transfusions in TBI and SAH: advancing care F.S. Taccone	9.40 Shock F. Michard	10.00 When to start antibiotics A. Bandera	Hemodynamic effects of PEEP: does it increase blood volume or the need for inotropes?
10.00 Ventibrain results explained C. Robba	10.00 Hypoxemic patient S. Jaber	10.30 When to stop antibiotics M. Giannella	Can ARDS be predicted?
10.20 Lumbar drainage in SAH S. Wolf	10.20 Renal failure S. Romagnoli	11.00 Break and Exhibition Visit	11.00 Break and Exhibition Visit
10.40 Discussion	10.40 Discussion	TUTORIALS ORGAN DONATION IN ICU Presenter: F. Valenza	SAFETY IN NORA AND SEDATION Chairpersons: L. Brazzi, R. Monzani
11.00 Break and Exhibition Visit	11.00 Break and Exhibition Visit	11.30 Donation after Brain Death: management A. Zanella	11.30 Drugs F. Barbani
UNLOCKING THE BRAIN: BREAKTHROUGHS IN DISORDERS OF CONSCIOUSNESS Chairpersons: F. Rasulo, C. Robba	MECHANICAL VENTILATION AND THE KIDNEY Chairpersons: M. Ostermann, S. Romagnoli	12.00 Donation after Circulatory Death: management M. Sacchi	11.50 Technology A. Patel
11.30 The future of consciousness diagnosis: neuroimaging and beyond V. Newcombe	11.30 Lung-kidney crosstalk M. Ostermann	12.30 Lunch Break	12.10 Logistics and professionals R. Monzani
11.50 Covert consciousness: the silent mind unveiled R. Helbok	11.50 Determinants of acute kidney injury during mechanical ventilation T. Pozzi		12.30 Lunch Break
12.10 From shadows to light: strategies to facilitate awakening G. Citerio	12.10 Fluid balance and lung function during mechanical ventilation: what's new? S. Gattarello		
12.30 Lunch Break	12.30 Lunch Break		

AQUA 3 HALL	SKY 2 HALL	WESMART SPACE	AQUA 1 HALL
THE SCIENCE OF VILI & PROTECTIVE VENTILATION Chairpersons: O. Moerer, M. Quintel	TREATMENT BUNDLE IN HEMORRHAGIC SHOCK Chairpersons: R. Fumagalli, M. Panigada	SEPSIS ACADEMY 10.00 - 11.00 SESSION 1 IDENTIFICATION OF PATIENTS AND MICROORGANISMS Experts: S. Busani, M. Giannella, G. Montrucchio, B. Viaggi	FORUM SPACE 10.00 - 11.30 SIMULATION SESSION E-CPR <i>In collaboration with ITACTAIC Supported by GETINGE</i>
9.00 VILI: the role of energy, plateau pressure and driving pressure J.J. Marini	9.00 Source control in trauma patient O. Chiara	► Clinical signs and triggering score <i>Interactive lectures</i>	How to set up an E-CPR program in your hospital G. Paternoster
9.20 Driving pressure: simple and effective or an oversimplification? D. Talmor	9.20 Assessment of bleeding and coagulopathy N. Juffermans	► Biomarkers <i>Microsimulation with ballot</i>	Indication and contraindication F. Sangalli
9.40 Is power the best indicator of lung injury? D. Chiumello	9.40 The rules of small volume resuscitation P. Caironi	► Fast microbiology <i>Practical issues</i>	Cannulation: sites and techniques P. Bertini
10.00 Can P-SILI be recognized at the bedside? G. Bellani	10.00 The place of RBC, plasma or all bloods: time and quantity N. Nielsen	11.00 Break and Exhibition Visit	The first 12 hours in ICU: how to treat my patients L. Grazioli
10.20 Does ARDS severity determine VILI risk? F. Collino	10.20 Fibrinogen, prothrombin concentrate, desmopressin V. Agostini	SEPSIS ACADEMY 11.30 - 12.30 SESSION 2 ANTIBIOTIC THERAPY Experts: G. De Pascale, M. Giannella, G. Montrucchio, B. Viaggi	Wrap up
10.40 Discussion	10.40 Discussion	► Empiric antibiotic therapy <i>Interactive lectures</i>	12.30 - 13.30 WORKSHOP BALANCED ANESTHESIA: THE ROLE OF VOLATILE GASES BETWEEN CLINICAL EFFICACY AND ENVIRONMENTAL SUSTAINABILITY Presenters: E. De Robertis, F.L. Lorini Speaker: M. Rossi <i>Supported by BAXTER</i>
11.00 Break and Exhibition Visit	11.00 Break and Exhibition Visit	► Tailored antibiotic therapy in CAP/VAP and abdominal infections <i>Microsimulation with ballot</i>	<i>A Lunch Bag will be offered to participants.</i>
HEMOADSORPTION IN SEPSIS, WHAT'S NEW? Chairpersons: A. Donati, A. Pesenti	HOT TOPICS IN ARDS Chairpersons: G. Bellani, D. Talmor	► Fungal infections in ICU <i>Academic</i>	
11.30 It's time to change point of view: where we need to go V.M. Ranieri	11.30 ARDS, 50 years later: what have we learned? A. Slutsky	12.30 Lunch Break	
11.45 Real life use of sorbents: patient, timing and dose G. Berlot	11.50 Extracorporeal CO2 removal to achieve ultraprotective ventilation! S. Jaber		
12.00 Antibiotics management: not just to do or not to do, but how to do G. Bottari	12.10 Bedside monitoring of the severity of acute lung damage J.J. Marini		
12.15 Discussion	12.30 Lunch Break		
12.30 Lunch Break			
		For all details see page 27	For all details see page 32

OCEAN 1 HALL	OCEAN 2 HALL	OCEAN 3 HALL	OCEAN 4 HALL
<div>12.45 - 14.15</div> <div>LUNCH SESSION</div> <div>VASOPLEGIC SHOCK MANAGEMENT</div> <div>With the non-conditioning support of VIATRIS</div> <div>Chairpersons: M. Leone, M. Singer</div> <div>Vasopressors: timing, dosing, and the role of combination therapy</div> <div>M. Cecconi</div> <div>More than just simple pressors: the systemic effects of vasopressors</div> <div>M. Ostermann</div> <div>From theory to practice: individualized vasopressor strategies</div> <div>M. Girardis</div> <div>CEREBROVASCULAR DISEASES IN ICU</div> <div>Chairpersons: G. Citerio, V. Newcombe</div> <div>14.30 Update in stroke management</div> <div>R. Helbok</div> <div>14.50 Anesthesia for thrombectomy</div> <div>A. Caricato</div> <div>15.10 DCI in SAH: identification and treatment</div> <div>S. Wolf</div> <div>15.30 The ICH bundle</div> <div>P. Mangili</div> <div>15.50 Discussion</div>	<div>NEW DEVELOPMENTS IN ANESTHESIA</div> <div>Chairpersons: H. Amirfarzan, V. Russotto</div> <div>14.30 Awake anesthesia</div> <div>F. Piccioni</div> <div>14.50 Hypnotics and analgesia</div> <div>M. Senturk</div> <div>15.10 Anesthesia and cancer recurrency</div> <div>A. Pedoto</div> <div>15.30 Management of intraoperative cardiac arrest</div> <div>C. Sandroni</div> <div>15.50 Discussion</div>	<div>TUTORIALS</div> <div>RESPIRATORY MANAGEMENT</div> <div>Presenter: D. Chiumello</div> <div>14.30 Noninvasive respiratory support</div> <div>D.L. Grieco</div> <div>15.00 Helmet CPAP, the devil is in the details!</div> <div>A. Coppadoro</div> <div>15.30 Tips & tricks for an effective weaning</div> <div>S. Grasso</div>	<div>ACID-BASE EQUILIBRIUM AND BLOOD GASES: AGAIN, AND YET SOMETHING NEW</div> <div>Chairpersons: S. Brusatori, P. Caironi</div> <div>14.30 Acid-base balance and CRRT: fundamental concepts</div> <div>F. Zadek</div> <div>14.45 Ethanol, methanol, ethylene glycol: key concepts of alcohol intoxications</div> <div>T. Langer</div> <div>15.00 Acid-base disorders in diabetic patients: from DKA to lactic acidosis</div> <div>F. Duska</div> <div>15.15 Oxygen delivery gone wrong: meth-, carboxy- & more</div> <div>T. Pozzi</div> <div>15.30 Normal saline or buffered solutions: from physiology to clinical evidence</div> <div>P. Caironi</div> <div>15.45 Discussion</div>

AQUA 3 HALL	SKY 2 HALL	WESMART SPACE
<div>OBSTETRIC ANESTHESIA</div> <div>Chairpersons: E.G. Bignami, A. De Gasperi</div> <div>14.30 Difficult airways in caesarean delivery: algorithms and solutions</div> <div>A. Andreotti</div> <div>14.50 Cardiovascular emergencies during the peripartum period</div> <div>G. Rosano</div> <div>15.10 Key components of early recovery after cesarean delivery (ERAC)</div> <div>S. Narcisi</div> <div>15.30 Prevention and treatment of severe obstetric hemorrhage</div> <div>V. Agostini</div> <div>15.50 Discussion</div>	<div>VENTILATION AND RESPIRATORY SUPPORT INNOVATIONS</div> <div>Chairpersons: G. Bellani, A. Pesenti</div> <div>14.30 The ventilator of the future</div> <div>J.J. Marini</div> <div>14.50 Future developments of low flow extracorporeal respiratory support</div> <div>A. Zanella</div> <div>15.10 HFNO in COPD patients</div> <div>L. Brochard</div> <div>15.30 Best predictors of post-extubation effort</div> <div>T. Tonetti</div> <div>15.50 Discussion</div>	<div>SEPSIS ACADEMY</div> <div>13.30 - 14.30</div> <div>SESSION 4</div> <div>ADJUNCTIVE THERAPIES</div> <div>Experts: S. Busani, S. De Rosa, A. Donati, F. Forfori</div> <div>► Steroids</div> <div>Interactive lectures</div> <div>► Immunoglobulins</div> <div>Microsimulation</div> <div>► Blood purification</div> <div>Workshop: theory and practice</div> <div>SEPSIS ACADEMY</div> <div>15.00 - 16.00</div> <div>SESSION 3</div> <div>CARDIOVASCULAR MANAGEMENT</div> <div>Experts: K. Donadello, A. Donati, M. Girardis, G. Grasselli</div> <div>► Fluid therapy</div> <div>Interactive lectures</div> <div>► Monitoring</div> <div>Workshop: theory and practice</div> <div>► Vasopressors and inotropes</div> <div>Microsimulation with ballot</div> <div>For all details see page 27</div>

SMART NURSING

SMART NURSING | Friday May 9

AQUA 4 HALL | MORNING

ICU IN 2030

Chairpersons: I. Comisso, A. Galazzi

- 9.30 **Green ICU**
G. Nava
- 9.45 **Improving the intensive care experience**
J. Latour
- 10.00 **The future of critical care nursing**
S. Bambi
- 10.15 **Nursing as a career choice:
growth or decline?**
S. Blot
- 10.30 **Discussion**

11.00 *Break and Exhibition Visit*

REMEMBERING THE OLD TIME AND LOOKING TO THE FUTURE

Chairpersons: C. Genna, J. Latour

- 11.30 **Gastric residual volume measurement**
L.N. Tume
- 11.45 **Endotracheal suctioning**
A. Lucchini
- 12.00 **Glycaemic control**
I. Comisso
- 12.15 **Discussion**
- 12.30 *Lunch Break*

AQUA 4 HALL | AFTERNOON

13.00 - 14.00

LUNCH SESSION

EARLY PATIENT MOBILIZATION IN ICU

Supported by BAXTER

Chairpersons: S. Bambi, S. Blot

Early mobilization of ICU patients
A. Lucchini

Keep your patient awake and moving
B. Fazzini

Follow-up of critically ill patients
M. Villa

WHAT'S NEW IN CRITICAL CARE NURSING

Chairpersons: D. Ausili, S. Bambi

- 14.30 **Medical Emergency Team
inside and outside Italy**
B. Fazzini
- 14.45 **ESICM Guidelines on end-of-life
and palliative care in the ICU**
A. Galazzi
- 15.00 **How to build and manage a follow-up
program for ICU survivors**
M. Villa
- 15.15 **Family and parent escalation**
C. Genna
- 15.30 **Score Systems and protocols for
discharging patients from recovery rooms**
C. Forciniti
- 15.45 **Simulation training and skill
assessment in critical care**
P. Iozzo
- 16.00 **Discussion**

SMART NURSING

Languages: English or Italian, no simultaneous translation

Lingue: Inglese o Italiano, senza traduzione simultanea

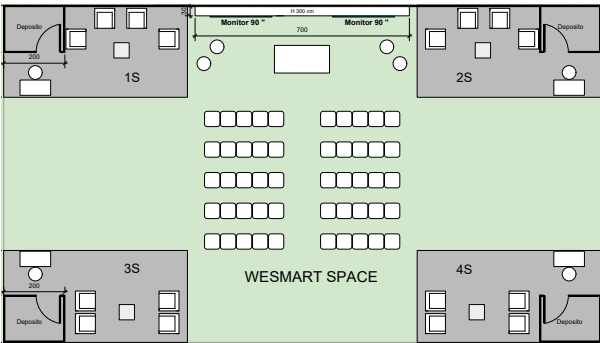
SEPSIS ACADEMY

SMART SPECIAL 2025 Sepsis Academy

The Sepsis Academy is a new SMART initiative with a scientific-practical approach, entirely focused on the management of sepsis. It is hosted in the **WeSmart Space**, in the heart of the Exhibition Area, providing 4 expert-led sessions which will be replicated in the three days of the meeting according to the calendar below.

Each session is dedicated to a topic of interest and can be attended by a maximum of 50 participants who will approach the topic by different experiences (interactive lectures, microsimulation with ballot, practical workshops).

Participation is free with mandatory pre-registration to be applied online (first come-first served). Given the limited number of participants, it is recommended to promptly inform the Secretariat of any unforeseen impediments. The online pre-registration must be reconfirmed onsite at least 2 hours before the event; otherwise registration will be cancelled and the place reassigned. Registration to the SMART Meeting is required to participate.



La Sepsis Academy è una nuova iniziativa SMART di taglio scientifico-pratico interamente dedicata alla gestione della sepsi. Si svolge all'interno del **WeSmart Space**, nel cuore dell'Area Espositiva, e prevede un percorso di 4 sessioni guidate da esperti e replicate nelle tre giornate congressuali secondo il calendario sotto riportato.

Ogni sessione è dedicata ad una tematica di interesse e prevede un massimo di 50 partecipanti che affronteranno la tematica con esperienze diverse (sessioni interattive, microsimulazione con votazione, workshop pratici).

La partecipazione è gratuita con preiscrizione obbligatoria da effettuarsi online (first come-first served). Visto il numero limitato di posti, si raccomanda di comunicare tempestivamente alla segreteria eventuali impedimenti sopraggiunti. La preiscrizione online dovrà essere riconfermata in sede almeno 2 ore prima dell'evento; in caso contrario, l'iscrizione sarà cancellata e il posto riassegnato. Per partecipare è necessario essere iscritti allo SMART.

1 SESSION 1 Identification of patients and microorganisms EXPERTS: S. Busani, M. Giannella, G. Montrucchio, B. Viaggi

MAY 7	10.00 - 11.00
MAY 8	10.00 - 11.00
MAY 9	10.00 - 11.00

2 SESSION 2 Antibiotic therapy EXPERTS: G. De Pascale, M. Giannella, G. Montrucchio, B. Viaggi

MAY 7	13.30 - 14.30
MAY 8	13.30 - 14.30
MAY 9	11.30 - 12.30

3 SESSION 3 Cardiovascular management EXPERTS: K. Donadello, A. Donati, M. Girardis, G. Grasselli

MAY 7	15.00 - 16.00
MAY 8	15.00 - 16.00
MAY 9	15.00 - 16.00

4 SESSION 4 Adjunctive therapies EXPERTS: S. Busani, S. De Rosa, A. Donati, F. Forfori

MAY 7	16.30 - 17.30
MAY 8	16.30 - 17.30
MAY 9	13.30 - 14.30

We are grateful to the following Companies for their non-conditioning contributions to Sepsis Academy



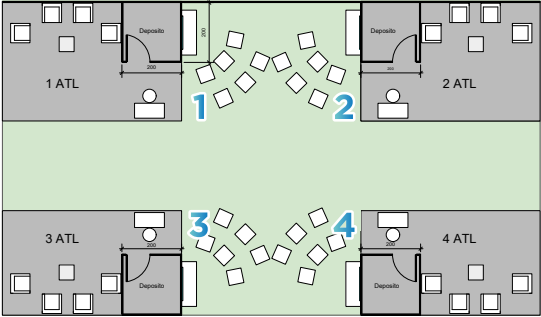
Languages: English or Italian, no simultaneous translation. *Lingue: Inglese o Italiano, senza traduzione simultanea.*

AIRWAY
TRAINING LAB

Airway Training Lab



An 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”.



Uno 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”.

Participation is free with mandatory pre-registration to be applied onsite at the appropriate desk. Admission to each session is limited to max 6 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.

La partecipazione è gratuita con preiscrizione obbligatoria da effettuarsi in sede congressuale presso l'apposito desk. Visto il numero limitato di posti (max 6 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

From airway prediction to strategy...

key word: planning!

TRAINERS: R. Cataldo, M. Leo
- 2

WORKSTATION 2

Please, let me breathe! Awake intubation as a standard clinical practice

TRAINERS: G. Cortese, M. Leo
- 3

WORKSTATION 3

Remember: we can't live without oxygen!

TRAINERS: M. Carron, V. Russotto
- 4

WORKSTATION 4

Front of neck access: an airway emergency scenario... to be planned!

TRAINERS: M. Crisman, M. Sorbello

MAY 7	11.30 - 12.30	15.00 - 16.00
MAY 8	11.30 - 12.30	15.00 - 16.00
MAY 9	11.30 - 12.30	

MAY 7	11.30 - 12.30	15.00 - 16.00
MAY 8	11.30 - 12.30	15.00 - 16.00
MAY 9	11.30 - 12.30	

May 7	11.30 - 12.30	15.00 - 16.00
MAY 8	11.30 - 12.30	15.00 - 16.00
MAY 9	11.30 - 12.30	

MAY 7	11.30 - 12.30	15.00 - 16.00
MAY 8	11.30 - 12.30	15.00 - 16.00
MAY 9	11.30 - 12.30	

We are grateful to the following Companies for their non-conditioning contributions to Airway Training Lab



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



FORUM SESSIONS

FORUM SESSIONS

The new Forum is a large, versatile and multifunctional space designed to host simulation sessions and hands-on initiatives. Participation to the Forum Sessions is free with mandatory pre-registration to be applied online. Registrations will be accepted on a first-come-first served basis, depending on availability (**max 80 participants**). Registration to the SMART Meeting is required to participate. See details on page 73.

Il nuovo Forum è uno spazio ampio, versatile e multifunzionale pensato per ospitare simulation session ed iniziative tecnico-pratiche. La partecipazione alle Forum Sessions è gratuita con preiscrizione obbligatoria da effettuarsi online. Le iscrizioni saranno accettate in base al principio first-come-first served, fino ad esaurimento posti (**max 80 partecipanti**). Per partecipare è necessario essere iscritti allo SMART. Dettagli a pagina 73.

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

WEDNESDAY MAY 7

Aqua 1 Hall - Forum Space

WEDNESDAY MAY 7

10.00 - 11.00

A

SIMULATION SESSION

MECHANICAL VENTILATION

Supported by

Sidam

BIOMEDICAL SOLUTIONS

&

SEDA

SEDA S.p.A.

PRESENTER: L. Camporota

SPEAKERS: F. Collino, S. Coppola

ASSESSMENT OF ESOPHAGEAL PRESSURE AND RESPIRATORY EFFORT

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 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.

FORUM SESSIONS

WEDNESDAY MAY 7

Aqua 1 Hall - Forum Space

WEDNESDAY MAY 7

11.30 - 12.30

B

SIMULATION SESSION

MECHANICAL VENTILATION

Supported by

Dräger

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.

Aqua 1 Hall - Forum Space

WEDNESDAY MAY 7

13.00 - 14.00

C

WORKSHOP

AIRWAY MANAGEMENT

Supported by

SEDA

SEDA S.p.A.

CHAIRPERSONS: S. Runnels, V. Russotto

SPEAKERS: G. Cortese, S. Runnels, M. Sorbello

OLD TECHNIQUES AND NEW ADJUNCTS IN AIRWAY MANAGEMENT

The aim of this session is to support clinicians with new devices to be used in difficult intubations, including awake intubation with old and new introducers. The main focus will be the evolution of Bougies which has been designed to enable clinicians to best address the challenges associated with videolaryngoscopy.

Lo scopo di questa sessione è supportare i medici con nuovi dispositivi da utilizzare nelle intubazioni difficili, compresa l'intubazione da sveglio con introduttori vecchi e nuovi. L'attenzione sarà focalizzata principalmente sull'evoluzione dei Bougies, sviluppata per consentire ai medici di affrontare al meglio le sfide associate alla videolaringoscopia.

The evolution of Bougies – 80 years on - M. Sorbello


The new friend: Bougie 2.0 - S. Runnels

Awake intubation: old and new - G. Cortese

A Lunch bag will be offered to participants

33

WEDNESDAY MAY 7

Aqua 1 Hall - Forum Space	WEDNESDAY MAY 7	14.30 - 15.30
D	Supported by 	
	SPEAKERS: P. Caironi, D. Chiumello, S. Romagnoli	
	CONTINUOUS URINARY ELECTROLYTE MONITORING BY K.I.NG.®: CLINICAL APPLICATIONS	
	<p>The aim of this workshop is to evaluate the potential clinical application of the novel K.I.NG system (Kidney Instant monitoriNG), which allows continuous monitoring of urinary electrolytes and pH. Through the discussion of different clinical scenarios, attendees will learn the physiological rationale behind this technology, and its potential application both in the operating room and in critical care settings. Continuous monitoring of urinary electrolytes is fundamental in integrating cardiovascular and metabolic monitoring.</p> <p>Why real-time monitoring of urinary electrolytes? Needs, applications and potentialities P. Caironi</p> <p>Urinary electrolyte monitoring in acute decompensated heart failure D. Chiumello</p> <p>Urinary ammonium: a new biomarker of kidney dysfunction? S. Romagnoli</p>	
Aqua 1 Hall - Forum Space	WEDNESDAY MAY 7	16.00 - 17.00

E

SIMULATION SESSION

CARDIOGENIC SHOCK

Supported by

**Johnson & Johnson
MedTech**

SPEAKERS: G. Tavazzi, A.M. Scandroglio, C. Vandenbriele


IMPELLA® IN CARDIOGENIC SHOCK: INDICATION, MANAGEMENT AND TROUBLESHOOTING


The relevance of the micro-axial flow pump application in the management of cardiogenic shock (CS) is growing from the latest studies and trials. However, there is still lack of robust data on different aspects of the daily management of patient-device interaction, including timing of implantation, appropriate CS phenotype, ICU management and timing for weaning. The aim of this simulation session is to illustrate the clinical application of the Impella®, show the tips & tricks for troubleshooting during daily management and discuss weaning protocols. This will be done through simulation of scenarios and discussion of real-life clinical cases.

- Rationale for Axial Pump use
- How to initiate the support
- How to troubleshoot – managing the alarms
- Clinical cases of Impella® application in different settings

A Coffee Bag will be offered to participants.

THURSDAY MAY 8

Aqua 1 Hall - Forum Space	THURSDAY MAY 8	9.30 - 11.00
F	Supported by 	
	SPEAKERS: M. Belliato, J. Bulmer, L. Camporota, 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.	
SIMULATION SESSION	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.	
EMERGENCY		
Aqua 1 Hall - Forum Space	THURSDAY MAY 8	13.00 - 14.00

H	Supported by 	
	CHAIRPERSON: A. Ancona	
	SPEAKERS: E. Perpignano, G. Villa, C.D. Votta	
	CLINICAL ARTIFICIAL INTELLIGENCE & ACUTE KIDNEY INJURY	
WORKSHOP ARTIFICIAL INTELLIGENCE	<p>The aim of this workshop is to demonstrate how a Software as a Medical Device (SaMD), powered by artificial intelligence, can support intensivists in automatically and continuously monitoring ICU patients. By identifying in advance those at higher risk of developing acute kidney failure, the software facilitates the tailored implementation of KDIGO recommendations for early AKI prevention. During the workshop, participants will learn about the clinical need for such solutions and explore the clinical validation process of the AI algorithm for early AKI prediction. A hands-on session will offer direct experience, including a live demonstration of the software on a real patient.</p> <p>Acute kidney injury: epidemiology and prevention strategies G. Villa</p> <p>Clinical validation and implementation of an AI-based solution for acute kidney injury C. Votta</p> <p>Demonstration of the U-Care Renal Platform, a software for AKI prevention and management E. Perpignano</p> <p><i>A Lunch Bag will be offered to participants.</i></p>	

THURSDAY MAY 8

Aqua 1 Hall - Forum Space

THURSDAY MAY 8

15.00 - 16.30

I

SIMULATION
SESSION

EMERGENCY

Supported by



EVERY LIFE MATTERS

SPEAKERS: M. Belliato, J. Bulmer, L. Camporota, 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.

Aqua 1 Hall - Forum Space

THURSDAY MAY 8

17.00 - 18.00

L

SIMULATION
SESSION

OXYGEN
THERAPY

Supported by



SPEAKERS: A. Patel, S. Romagnoli

OPTIFLOW THRIVE™: TRICKS AND TIPS FOR IMPROVED PRACTICE

The aim of this simulation session is to train attendees on the best application of HFNC in anesthesia and sedation procedures by using the Optiflow THRIVE™ system. This innovative system enables users to deliver transnasal humidified rapid-insufflation ventilatory exchange and nasal high flow (NHF) therapy, which has been shown to optimize oxygenation during general anesthesia, procedural sedation and post-anesthesia recovery.

FRIDAY MAY 9

Aqua 1 Hall - Forum Space

FRIDAY MAY 9


10.00 - 11.30

M

SIMULATION
SESSION


EMERGENCY

In collaboration with



Italian Association of Cardiothoracic Anesthesiology and Intensive Care

Supported by



SPEAKERS: P. Bertini, L. Grazioli, G. Paternoster, F. Sangalli

E-CPR

The aim of this simulation scenario is to provide participants with the practical basis for the management of a patient admitted to the Emergency Department for refractory cardiac arrest and considered for E-CPR. The simulation scenario will include a MegaCode-style cannulation followed by debriefing.

Lo scopo di questo scenario di simulazione è fornire le basi pratiche per la gestione del paziente che giunge in arresto cardiaco refrattario in Pronto Soccorso ed è candidato ad eCPR. Lo scenario prevederà una simulazione di incannulazione in stile MegaCode seguita da debriefing.

How to set up an E-CPR program in your hospital - G. Paternoster

Indication and contraindication - F. Sangalli

Cannulation: sites and techniques - P. Bertini

The first 12 hours in ICU: how to treat my patients - L. Grazioli

Wrap up

Aqua 1 Hall - Forum Space

FRIDAY MAY 9


12.30 - 13.30

N

WORKSHOP

SEDATION

Supported by



PRESENTERS: E. De Robertis, F.L. Lorini

SPEAKER: M. Rossi

**BALANCED ANESTHESIA: THE ROLE OF VOLATILE GASES BETWEEN
CLINICAL EFFICACY AND ENVIRONMENTAL SUSTAINABILITY**
*ANESTESIA BILANCIATA: IL RUOLO DEI GAS VOLATILI TRA EFFICACIA
CLINICA E SOSTENIBILITÀ AMBIENTALE*

A Lunch Bag will be offered to participants.

36

37

HIGH FIDELITY SIMULATION SESSIONS

Faculty

Andreotti A., *Modena (I)*
Barbarelli A., *Milano (i)*
Campani S., *Firenze (I)*
Camporota L., *London (UK)*
Carbone D., *Roma (I)*
Chiumello D., *Milano (I)*
Compagni L., *Modena (I)*
Costamagna A., *Torino (I)*
Dall'Ara L., *Modena (I)*
Donadello K., *Verona (I)*
Faso C., *Firenze (I)*
Lombardi J., *Lausanne (CH)*
Magnani A., *Modena (I)*
Narcisi S., *Milano (I)*
Placci M., *Firenze (I)*
Povoa P., *Lisbon (P)*
Quintel M., *Deggendorf (D)*
Robba C., *Genova (I)*
Rovellini C., *Modena (I)*
Sales G., *Torino (I)*
Sbaraglia F., *Roma (I)*
Taccone F.S., *Bruxelles (B)*

THURSDAY MAY 8 - FRIDAY MAY 9

ESCAPE ROOM CODE KID

Scenario: Pediatric Emergency Inside an Ambulance

This is not a drill.
A critically ill child is fighting for life inside a moving ambulance. Vital signs are crashing. Resources are limited. The environment is chaotic... And you — a team of doctors and nurses — have only **15 minutes** to save the patient.

Inside this **high-fidelity simulation**, every beep, every breath, every action matters. You'll need sharp clinical thinking, rapid problem solving, and flawless teamwork to face a series of unpredictable challenges — all within the tight, high-pressure space of a real ambulance.

This is healthcare outside the comfort zone: dynamic, immersive, and unforgiving. Adapt fast, think SMART, work together — or risk losing it all.

Participation is free. Teams of max 3 participants will be admitted. Registrations will be collected onsite (first come-first served) on May 7 at the High-Fidelity Simulation Center.

The Escape Room will be open throughout May 8 and on the morning of May 9.

Are you ready to push your limits where every second counts?
No room for fear. No time for doubt. Only the bold will make it out. See you inside.

We are grateful to AVPA MODENA CROCE BLU
for their essential contribution to the Escape Room





ROCKET SCIENCE IN HIGH FIDELITY SIMULATION
Troubleshooting in critically ill patients - Tips & tricks on organ dysfunctions

Scientific Technical Coordinator: A. ANDREOTTI
Simulation Experts: A. COSTAMAGNA, L. DALL'ARA, J. LOMBARDI, G. SALES

Step into a session like no other- a deep dive into the complex and dynamic world of critically ill patients through the power of cutting-edge medical simulation. This isn't just another learning opportunity; it's a chance to sharpen your skills, challenge your instincts, share invaluable experiences, and elevate your expertise in managing intricate clinical challenges. Led by seasoned simulation experts and featuring leading authorities in the field, this session offers unparalleled insights into the latest advancements and best practices. The Simulation Room brings the chaos of real-life crises into a controlled, high-fidelity environment, where every decision matters. You'll tackle scenarios that test the limits of your decision-making, teamwork, and technical precision, all while uncovering innovative strategies to improve patient outcomes. Join us and discover how simulation, guided by the expertise of world-class professionals, can transform your approach to critical care, empowering you to lead with confidence when every second counts.

The initiative includes 6 main sessions, in addition to the 2 Semi-finals and the Final of the Simulation Champions League. Each main session will last 2h 30' with two leading experts on the topic each giving one of the following special lectures:
- *Lectio Magistralis*, at the opening of the session
- *Lectio Secundaria* (in-depth lecture), halfway through the session

After each lecture, a High Fidelity Simulation session is planned, followed by an interactive debriefing with the Simulation instructors, the participants and the experts who will also chair the session.

Admission to the High Fidelity Simulation Sessions is limited to 60 participants, with mandatory pre-registration. Registrations will be accepted on a first-come first-served basis. Registration to the SMART Meeting is required to participate. See details on page 73.

Languages: English or Italian, no simultaneous translation.

III SIMULATION CHAMPIONS LEAGUE
ROAD TO SMART 2025

The III Simulation Champions League provides an engaging educational formula based on an exciting team competition reserved for medical residents. The qualifying rounds of the competition will take place in **Parma** at the **Simula Hub Simulation Center**.

The 4 teams gaining the highest scores will advance to the semi-finals which will be played in **Milan** on **Wednesday May 7** during the **36th SMART**. The 2 winning teams will then face off in the final on **Thursday May 8**. The Award Ceremony will follow on the same date.

The semi-finals, the final and the Award Ceremony will all be hosted in the **High Fidelity Simulation Center** set up at Level 2 of the **Allianz MiCo North Wing**.

SIMULATORS & TECHNOLOGIES



WEDNESDAY MAY 7

High Fidelity Simulation Center	WEDNESDAY MAY 7	9.30 - 10.30
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CHAMPIONS
LEAGUE

SIMULATION TEAM: A. Barbarello, S. Campani, L. Compagni, A. Costamagna, L. Dall'Ara, C. Faso, J. Lombardi, A. Magnani, C. Rovellini, G. Sales

CHAMPIONS LEAGUE SMART 2025
SEMI-FINAL 1

First semi-final of the team competition **CHAMPIONS LEAGUE - SMART 2025** reserved for teams of medical residents. In the first semi-final, two of the 4 teams getting the highest scores in the qualifying rounds will compete.

The winning team of the semi-final will play the final scheduled on **Thursday May 8** at **9:30 am** in the same location.

Welcome to the advanced medical simulation competition, where the best of the best come to prove their skills. In this thrilling semifinal round, teams will face intricate and high-stakes clinical cases designed to push their expertise, teamwork, and decision-making to the border edge.

High Fidelity Simulation Center	WEDNESDAY MAY 7	11.00 - 13.30
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HIGH FIDELITY
SIMULATION
1

LEADING EXPERTS: K. Donadello, P. Pova

SEPSIS BLIZARD & CYTOKINE STORM

Lectio Magistralis: BIOMARKERS & SEPSIS FORWARD
Lectio Secundaria: MENINGOENCEPHALITIS

"Sepsis Blizzard and Cytokine Storms" present a unique and deadly challenge in critical care. In this session, we will simulate the rapid progression of these life-threatening conditions, focusing on the latest diagnostic tools, treatment protocols, and interventions. Engage in dynamic scenarios that emphasize the urgency of early recognition and intervention, and refine your ability to manage these complex, evolving situations under pressure.

WEDNESDAY MAY 7

High Fidelity Simulation Center	WEDNESDAY MAY 7	14.00 - 15.00
CHAMPIONS LEAGUE	SIMULATION TEAM: A. Barbarello, S. Campani, L. Compagni, A. Costamagna, L. Dall'Ara, C. Faso, J. Lombardi, A. Magnani, C. Rovellini, G. Sales	
	CHAMPIONS LEAGUE SMART 2025 SEMI-FINAL 2	
	Second semi-final of the team competition CHAMPIONS LEAGUE - SMART 2025 reserved for teams of medical residents. In the second semi-final, two of the 4 teams getting the highest scores in the qualifying rounds will compete. The winning team of the semi-final will play the final scheduled on Thursday May 8 at 9:30 am in the same location. <i>Welcome to the advanced medical simulation competition, where the best of the best come to prove their skills. In this thrilling semifinal round, teams will face intricate and high-stakes clinical cases designed to push their expertise, teamwork, and decision-making to the border edge.</i>	
High Fidelity Simulation Center	WEDNESDAY MAY 7	15.30 - 18.00

HIGH FIDELITY SIMULATION 2	LEADING EXPERTS: D. Chiumello, M. Quintel	
	BRIDGING THE GAP IN ARDS: BETWEEN EVIDENCE AND PRACTICE	
	Lectio Magistralis: MECHANICAL POWER: WHAT SHOULD WE LEARN? Lectio Secundaria: ULTRAFILTRATION & DECAP IN SEVERE ARDS <i>In this session, we'll bridge the gap between cutting-edge research and real-world application in the management of Acute Respiratory Distress Syndrome (ARDS). Using advanced simulation, we'll explore the latest evidence-based strategies and the challenges of applying them in critical care settings. Prepare to engage in high-stakes scenarios that test your clinical judgment and refine your ability to manage ARDS with precision and confidence.</i>	

THURSDAY MAY 8

High Fidelity Simulation Center	THURSDAY MAY 8	9.30 - 10.30
CHAMPIONS LEAGUE	SIMULATION TEAM: A. Barbarello, S. Campani, L. Compagni, A. Costamagna, L. Dall'Ara, C. Faso, J. Lombardi, A. Magnani, C. Rovellini, G. Sales	
	CHAMPIONS LEAGUE SMART 2025 FINAL	
	Final of the CHAMPIONS LEAGUE - SMART 2025 team competition reserved for teams of medical residents. The 2 best teams will face off in this final that will crown the champion... Public and fans are welcome! Stay tuned. <i>This is more than a challenge—it's an opportunity to showcase your ability to navigate complexity, adapt under pressure, and deliver exceptional patient care in the most demanding scenarios. May the best team rise to the occasion and demonstrate what it truly means to excel in the art and science of medicine. Let the Final begin!</i>	
High Fidelity Simulation Center	THURSDAY MAY 8	11.00 - 13.30
HIGH FIDELITY SIMULATION 3	LEADING EXPERTS: L. Camporota, A. Costamagna	
	NAVIGATING SHOCK: INNOVATIONS AND CHALLENGES IN ACUTE CARE	
	Lectio Magistralis: WHAT ABOUT ECMO AND CARDIAC SHOCK... Lectio Secundaria: ECLS & ORGAN DONORS" <i>Haemodynamic shock is one of the most critical conditions encountered in acute care. In this session, we will navigate through the latest innovations and emerging challenges in extra-cardiac life support & shock management. Through realistic simulation scenarios, you'll experience the complexities of diagnosing and treating shock in its various forms, honing your skills in decision-making, team coordination, and advanced therapeutic interventions.</i>	
High Fidelity Simulation Center	THURSDAY MAY 8	14.30 - 17.00
HIGH FIDELITY SIMULATION 4	LEADING EXPERTS: C. Robba, F.S. Taccone	
	KEEP IN MIND: NEUROLOGICAL DISORDERS	
	Lectio Magistralis: ISCHEMIC VS BLEEDING STROKE IN THE CRITICALLY ILL Lectio Secundaria: PEDIATRIC TRAUMA BRAIN INJURY <i>Welcome to the "KEEP in MIND: Neurological Disorders" session, where we delve into the critical world of neurological emergencies. In this session, we will explore the complexities of diagnosing and managing neurological disorders in high-pressure, time-sensitive situations. Through advanced medical simulation, you'll experience real-life scenarios that challenge your decision-making, enhance your clinical skills, and reinforce your ability to act swiftly and accurately.</i>	

FRIDAY MAY 9

High Fidelity Simulation Center	FRIDAY MAY 9	10.00 - 12.30
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HIGH FIDELITY
SIMULATION
5

LEADING EXPERTS: **S. Narcisi, F. Sbaraglia**

HOSTILE ENVIRONMENT I - IN DELIVERY ROOM...

Lectio Magistralis: WHY DO MOTHERS DIE? (ItOSS)
Lectio Secundaria: EMERGENCY CESAREAN IN THE CRITICALLY ILL

The Delivery Room can be a high-stress, high-stakes environment where the unexpected can occur at any moment. This session will immerse you in simulated scenarios of obstetric emergencies, from fetal distress to maternal complications. Work alongside your team to develop strategies for managing these challenges, ensuring both mother and child receive the best possible care in even the most hard conditions! Welcome to the "Real" Hostile Environment!

High Fidelity Simulation Center	FRIDAY MAY 9	14.00 - 16.30
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HIGH FIDELITY
SIMULATION
6

LEADING EXPERTS: **D. Carbone, M. Placci** Operatori SOCM-18D

HOSTILE ENVIRONEMT II - IN WAR MEDICAL OUTPOST...

Lectio Magistralis: NATO DOCTRINE ON T3C & PROLONGED FIELD CARE
Lectio Secundaria: ROLE DEPLOYMENTS IN MILITARY-CIVIL INTEROPERABILITY

In this session, we will simulate the intense and unpredictable conditions of a War Medical Outpost. You will face the unique challenges of providing critical care in a resource-limited, high-pressure environment, where life-and-death decisions must be made quickly and effectively. Learn to adapt to the chaos of battlefield medicine, enhancing your skills in trauma management, triage, and rapid decision-making under extreme stress... until the Medevac has landed.

ACKNOWLEDGEMENTS

We are grateful to the following Companies for their contributions to the Champions League SMART 2025 & High Fidelity Simulation Sessions





ORAL --- PRESENTATIONS

OCEAN 2 HALL

WEDNESDAY MAY 7 | 13.00 - 14.00

MAY 7

ANESTHESIA

Chairpersons: E.G. Bignami, A. Pedoto

Multiple vs. single sedation in paediatric MRI: a comparative analysis of adverse events and procedure outcomes

L. Dall'Ara, I. Coloretti, A. Genovese, M. Girardis

Less is more for bleeding management algorithms in cardiac surgery.

A network meta-analysis and meta-regression of randomized and non-randomized studies
A. Barbaria, E. Baryshnikova, M. Anguissola, G. Landi, T. Aloisio, S. Casalino, M. Ranucci

Invasive arterial pressure vs. non-invasive ClearSight® and impact on the hypotension prediction index applicability. An observational study in cardiovascular surgery

L.M. Consalvo, F.M. Russo, S. Cenci, M. Pitre, G.L. Pedrazzini, R. Nardella, M. Vitale, G. Grasselli, G. Ristagno

Risk factors for PPCs in laparoscopic non-robotic vs. laparoscopic robotic abdominal surgery (LapRAS): a patient-level analysis of LAS VEGAS and AVATaR

S.C. Serafini, S.N.T. Hemmes, A. Serpa Neto, C. Gregoretti, E. Tschernko, M. Gama De Abreu, N. Patroniti, M.J. Schultz, G. Mazzinari, L. Ball

Efficacy of postoperative oxygen therapy using high-flow nasal cannulas (HFNC) in the prevention of immediate postoperative respiratory complications

G. Paladini, A. Di Filippo, G. Villa, S. Romagnoli

OCEAN 3 HALL

WEDNESDAY MAY 7 | 13.00 - 14.00

MAY 7

CASE REPORTS

Chairpersons: C. Gregoretti, G.A. Iotti

The strange case of unresolving respiratory failure due to isolated pauci-immune pulmonary capillaritis

G. Giannini, G. Zanata, M. Antonaci, J.J. Falco, M.P.H. Toti, J. Fumagalli, A. Meli, A. Caccioppola, S. Crotti, M. Panigada, G. Grasselli

A rare case of meningitis caused by *Mycoplasma hominis*: diagnostic and therapeutic challenges

E. Sartori, A. Shinde, F. Daniele, S. Benedetti, M.C. Laganà, M. Hurpet, M. Corbani, G.M. Mazza, A.R. Aliberti, A. Bolongaro, A. D'Arcamo, M. Voltini, M. Erba, F. Sciutti, M. Pagani, A. Guglielmi, G. Tavazzi

Stroke and STEMI: a clinical case report

G. Ravasio, V. Prussiani, R. Cumetti, M. Vedovello, O. Zucchetti, G.G. Cavalleri, N. Colonetti

The use of NIRS monitoring in a toxic shock patient

D. Valaderio, F. Mazza, F. Zerba, E. Borotto, B. Franchi, N. Pedroni, F. Giuffrida, D. Gasberti, L. Cabrini, F. Martignoni

One lung ultra-protective ventilation with ECCO₂R in a critically ill patient with persistent pneumothorax

C.D. Votta, G.L. Formicola, L. Mariconti, L. Maderna, R. Dossena, L. Castellazzi, G. Russo

Erector spinae plane block facilitating rapid weaning in an anticoagulated VV-ECMO patient with chest trauma

R. Silhi, C. Langrish, L. Camporota

OCEAN 4 HALL

WEDNESDAY MAY 7 | 13.00 - 14.00

MAY 7

ECMO

Chairpersons: V. Fanelli, N. Patroniti

Decoding ATIII: novel insights on thromboembolic risk in VV-ECMO patients

S. Shetty, R. Del Signore, M. Chioccola, B. Sanderson, F. Pugliese, P.D. Collins, L. Giosa, L. Camporota

Optimizing anticoagulation monitoring in ECMO: a novel algorithm integrating anti-Xa and viscoelastic coagulation monitoring (VCM™)

E.A. Anton, A. Caccioppola, A. Rosati, A. Motta, E. Bellavia, G. Corica, G. Zimei, F. Cappelli, A. Meli, G. Grasselli, M. Panigada

Protection from non-ventilated lung injury by reduced tidal volume, with and without extracorporeal lung support

A. Maretti, A. Castelli, E. Spinelli, I. Marongiu, A. Damia, M. Leali, A.M. Storaci, N. Mansour, F. Damarco, A. Zanella, L. Rosso, G. Grasselli, V. Vaira, T. Mauri

Impact of derecruitment on V/Q mismatch and oxygenation in hypoxemic lung injury: a comparison of ECMO and ECCO₂R

Z. Li, M. Caronna, B. Donati, G. Gazzè, C. Chiumiento, I. Grava, L.M. Titherington, W. Gallese, E. Rollo, K. Meissner, M. Busana, Z. Zhao, G. Hahn, M. Quintel, O. Moerer, S. Gattarello

Comparison of hypoxemic pulmonary vasoconstriction preservation between ECCO₂R and ECMO in hypoxic lung injury with electrical impedance tomography

E. Rollo, Z. Li, M. Caronna, B. Donati, G. Gazzè, C. Chiumiento, I. Grava, L.M. Titherington, W. Gallese, K. Meissner, M. Busana, Z. Zhao, G. Hahn, M. Quintel, S. Gattarello, O. Moerer

A UK consensus statement on the withdrawal process of veno-venous extra corporeal membrane support (VV-ECMO)

R. Lewis, E. Jackson, P. Collins, E. Tomarchio, C. Remington, L. Giosa, V. Camarda, K. Cowan, L. Camporota, L. Rose

OCEAN 2 HALL

THURSDAY MAY 8 | 13.00 - 14.00

MAY 8

ICU

Chairpersons: F. Guarracino, G. Tavazzi

Bedside identification of biological phenotypes in lung transplant recipients: preliminary results of a prospective observational trial

V. Scaravilli, M. Bosone, D. Carrà, V. Vago, G. Turconi, S.M. Colombo, V. Beltrama, M. Brivio, L.C. Morlacchi, L. Rosso, M. Nosotti, F. Blasi, G. Grasselli

Heart rate control with an ultra-short-acting β 1- selective antagonist: a single-center experience with landiolol in a mixed population

C.N.J. Colombo, A. Guglielmi, M. Voltini, E. Intignano, A. Vecchione, A. Fasolino, R. Camporotondo, G. Tavecchia, A. Sacco, G. Tavazzi

Sodium nitroprusside in cardiogenic shock: insights from a multicenter registry

D. Cucchi, A. Fasolino, G. Maj, G. Viola, S. Frea, C. Sorini Dini, M. Marini, M. Briani, M. Bertaina, L. Potena, G.M. De Ferrari, N. Morici, F. Pappalardo, A. Sacco, G. Tavazzi

The forgotten valve: prognostic impact of tricuspid regurgitation in cardiogenic shock

V. Carini, R. Camporotondo, G. Viola, G. Maj, C. Sorini Dini, M. Marini, M. Briani, M. Bertaina, L. Potena, G.M. De Ferrari, N. Morici, F. Pappalardo, A. Sacco, S. Frea, G. Tavazzi

Integrating SCAI classification with SAPS II and SOFA in cardiogenic shock patients: results from a multicenter perspective observational registry

C.N.J. Colombo, A. Sacco, A. Montisci, G. Tavecchia, S. Frea, D. Bernasconi, E. Sartori, G. Viola, M. Briani, P.P. Bocchino, C. Sorini Dini, A. Fasolino, M. Bertaina, L. Potena, S. Valente, R. Camporotondo, M. Marini, M. Pagnesi, G. De Ferrari, N. Morici, F. Pappalardo, G. Tavazzi

OCEAN 3 HALL

THURSDAY MAY 8 | 13.00 - 14.00

MAY 8

NEURO

Chairpersons: A. Addis, D. Battaglini

Pre- and intrahospital airway management in trauma patients: an observational study
C. Petrò, B. Brunoni, G. Borriani, E. Porriani, M. Caponeri, F. Zadek, R. Giudici, G. Casella, T. Langer, R. Fumagalli

Seizures in children: could STEPSS be the key to triage in the out-of-hospital setting?
C. Dulama, G. Ristagno, A. Coppo, F. Izzo, D. Boghi, L. Farina, F. Fazzi

Contrast-enhanced diffuse optical tomography in acute traumatic brain injury: an observational study
M. Forcione, G. Perkins, A.M. Chiarelli, D. Perpetuini, A. Stevenson, D. Davies, A. Belli

Impact of TOTally transdErmal Sedation on weaning from remifentanil continuous infusion in acute brain injury patients during mechanical ventilation: the TOES randomized trial
T. Rosà, D. Natalini, A. Cardu, R. Xhemalaj, F. Pugliese, A. Pujary, L. Pisapia, E. Ioannoni, M. Cesarano, I. Melchionda, A. Scavone, E. Stival, S. Silva, C. Gelormini, D.L. Grieco, M. Antonelli, A. Caricato

NPi pupillometry trends preceding brain death determination
P. Spiandorello, G. Negri, A.P. Di Cristofano, A. Fornoni, F. Graziano, G. Ogliari, M. Baggiani, G. Citerio

OCEAN 4 HALL

THURSDAY MAY 8 | 13.00 - 14.00

MAY 8

VENTILATION : CLINICAL

Chairpersons: G. Foti, V. Russotto

Management of severe thoracic trauma: risk factors, scores and analgesic strategies associated with failure of non-invasive ventilatory support
F. Cipulli, S. Miori, E. Balzani, R. Zanella, F. Zanon, G. Bellani

Characteristics and outcomes of patients receiving volatile anaesthetics in near-fatal asthma: a retrospective observational cohort study
C. Remington, L. Camporota, D. Taylor, A. Sousa, B. Sanderson, G. Glover

Effects of trunk inclination on respiratory mechanics during controlled mechanical ventilation: a comparison between ARDS patients with and without obesity
E. Spinozzi, F. Marrazzo, S. Spina, M. Caramella, E. Porriani, F. Zadek, R. Fumagalli, T. Langer

Setting personalized PEEP in spontaneously breathing patients with ARDS: physiological comparison between increasingly invasive bedside approaches
V. Chiavieri, M. Leali, E. Spinelli, F. Madotto, G. Scaramuzzo, S. Spadaro, D.L. Grieco, M. Antonelli, G. Grasselli, T. Mauri

Pulmonary and extra-pulmonary effects of PEEP increase in ARDS patients according to lung recruitability
F. Panina, F. Festa, V. Di Benedetto, M. Passeri, S. Coppola, D. Chiumello

Driving pressure vs. oxygenation-based PEEP titration strategies in ARDS patients: a physiological study
A. Muscas, D. Biffi, G. Papa, A. Uslenghi, A. Colombo, S. Coppola, D. Chiumello

OCEAN 2 HALL

FRIDAY MAY 9 | 13.00 - 14.00

MAY 9

INFECTION AND SEPSIS

Chairpersons: A. Bandera, G. Berlot

Evaluation of the impact of diagnostic-therapeutic algorithms on the clinical management of bloodstream infections in the ICU. A single center, pre- post- experience at Policlinico Hospital, Milan
M. Petrone, V. Vago, M. Tomasello, C. Abbruzzese, D. Mangioni, V. Scaravilli, A. Bandera, G. Grasselli, M. Panigada

Incidence and microbiology characteristics of ventilation-associated pneumonia in a 10-years cohort of critically ill patients in Italy
R. Traversi, M. Colaneri, G. Scaglione, G. Monti, G. Tricella, C. Genovese, F. Agostini, F. Dore, B. Viaggi, V. Sanna, A. Gori, E. Palomba, M. Offer, S. Finazzi, L. Brazzi, G. Montrucchio

Efficacy of adjunctive therapy with polyclonal immunoglobulins in patients with septic shock from MDR bacteria
M. Tosi, J. Bertolini, I. Coloretti, F. Morselli, E. Biagioni, S. Busani, M. Girardis

The PEECS study: PiCCO-Echocardiographic Evaluation of Cardiomyopathy in septic shock
C. Cariddi, G. Paternoster, P. Innelli, C. Zimatore, A. Innamorato, L. Pisani, S. Grasso

Unmasking fibrinolysis impairment in septic shock with tPA-modified viscoelastic testing ($\geq 0.5 \mu\text{g/ml}$)
G. Zimei, A. Sofi, A. Caccioppola, A. Meli, F. Cappelli, M. Panigada, G. Grasselli

OCEAN 3 HALL

FRIDAY MAY 9 | 13.00 - 14.00

MAY 9

KIDNEY

Chairpersons: F. Duska, T. Langer

Correlation between serum phosphate and bicarbonate levels and severity of diabetic ketoacidosis in children
K. Aispure, A. Barzdina

Ammonium (NH_4^+): a new biomarker of renal tubular function? Investigation on renal transplant patients
L.M. Titherington, I. Mattei, V. Giglioni, V. Ghidoni, F. Peyronel, I. Gianassi, L. Malatesta, G. Baldini, G. Villa, Z. Ricci, F. Barbani, L. Foti, G. Lascialfari, L. Ricci, S. Romagnoli

Electrolyte and acid-base equilibrium during continuous renal replacement therapy: differences between hemofiltration and hemodialysis
M. Caramella, B. Brunoni, C. Forlini, C. Petrò, G. Borriani, R. Giudici, F. Zadek, R. Fumagalli, T. Langer

Sodium, chloride and SID variations induced by different CRRT modalities: an in-vitro study
E. Porriani, M. Caramella, B. Brunoni, C. Forlini, E. Spinozzi, C. Petrò, G. Borriani, F. Zadek, R. Fumagalli, T. Langer

Acute kidney injury in polytraumatized patients admitted to the intensive care unit: a retrospective analysis
G. Borriani, F. Zadek, B. Brunoni, C. Petrò, E. Spinozzi, G. Casella, R. Giudici, T. Langer, E.G. Bignami, R. Fumagalli

The effect of amino acids infusion duration on renal protection: a post-hoc exploratory analysis of the PROTECTION Trial
R. Losiggio, E. Ghirardi, S. Vietri, R. Germiniasi, K. Brav, P. Palla, M. Colombo, A. Fumagalli, G. Piersanti, G. Landoni

MAY 9

VENTILATION: FROM BENCH TO BEDSIDE

Chairpersons: S. Coppola, D.L. Grieco

Unplanned interruptions of prone positioning in patients with ARDS: an observational study
F. Binda, F. Marelli, L. Villa, D. De Chiara, G. Antonelli Libretti, A. Cislighi, G. Grasselli

Transpulmonary pressures estimation: do the direct and elastance-derived method agree?
E. Balzani, S. Giovanazzi , I. Grava, E. Rollo, G. Gazzé, B. Donati, M. Caronna, L.M. Titherington, C. Chiumiento, W. Gallese, G. Bellani, L. Brazzi, F. Collino

The role of pulmonary arterial capacitance in acute respiratory failure: insights from an endotoxic shock animal model
C. Chiumiento, L.M. Titherington, I. Grava, G. Gazzé, E. Rollo, B. Donati, M. Caronna, W. Gallese, Z. Li, S. Gattarello, M. Busana

Comprehensive early respiratory pathophysiology after lung transplantation to predict and guide primary graft dysfunction ventilation management
A. Vitalini, J. Fumagalli, V. Cattaneo, F. Balestreri, A. Bolchini, M. Bosone, M. Brivio, L. Rosso, M. Nosotti, F. Blasi, G. Grasselli, V. Scaravilli

Pathophysiological determinants of lung injury caused by unilateral pulmonary artery ligation
C. Fallarini, I. Marongiu, E. Spinelli, A. Damia, F. Damarco, A. Maretti, M. Leali, G. Lopez, A. Zanella, L. Rosso, V. Vaira, G. Grasselli, T. Mauri

Dying with or from ARDS? Uncovering the attributable mortality of ARDS
E. Balzani, C.F. Bianchi, G. Bellani

E-POSTERS

E-POSTER CORNER 1

Wednesday
MAY 7

DISCUSSION
h. 13.00 - 14.30

ANESTHESIA
Chairpersons: A. De Gasperi, F. Valenza

P 1 Implementing weekly in situ simulation in anesthesiology training: one-year outcomes from a competency-based curriculum
D. Winterton, F. Puerta Martinez, H. Hussain, L. Levy, R. Matyal, N. Levy

P 2 Relationship between preoperative hemoglobin concentration and functional capacity in the context of a multimodal prehabilitation program
G. Cocci, G. Senesi, P. Perrone, G.D. Testa, C. Fiorindi, G. Alpigiano, A. Di Gloria, A. Travelli, A. Tognaccini, S. Romanazzo, F. Cosci, F. Cianchi, F. Picciafuochi, S. Romagnoli, G. Baldini

P 3 Home-based prehabilitation: a systematic review and meta-analysis of randomised trials
F. D'Amico, B. Chiodi, D. Pontillo, M.F. Oliva, C. Nakhnoukh, M. Veneziano, R. Lembo, E. Ronca, S. Fiorito, S. Turi

P 4 Limiting the occurrence of intraoperative hypotension is not clearly associated with a safer postoperative outcome
R. Piscopo, F. Aurelli, M. Meco, S. Pugliese, F. Nisi, E. Giustiniano, F. Piccioni, M. Cecconi

P 5 Appropriate noradrenaline use during open abdominal aortic aneurysm repair: implications for postoperative kidney function
B. Lupo Pasinetti, G. Lionetti, E. Civilini, E. Giustiniano, F. Nisi, F. Piccioni, M. Cecconi

P 6 Hyperoxia during cardiopulmonary bypass: randomized controlled trial
M. Tocco, D. Pittarello, A. Boscolo Bozza, S. Congedi, P. Navalesi, N. Sella

P 7 Hemodynamic and inflammatory response of burn patients undergoing bromelain-based enzymatic debridement (Nexobrid®): preliminary results of a prospective observational study
L. Sommariva, F. Marrazzo, C. Forlini, M. Ferrari, F. Zadek, S. Ubiali, C. Deli, G.D. Casella, L. Gasparini, A.M. Citterio, F.W. Baruffaldi Preis, R. Fumagalli, T. Langer

P 8 Activated clotting time measured by Hemochron® Signature Elite in adult cardiac surgery: implications for clinical practice
M. Villano, S. Cenci, F.M. Russo, G. Pedrazzini, N. Di Tomasso, G. Veronese, G. Grasselli, A. Artoni, M. Cotza, M. Ranucci, C. Novembrino, M. Abbattista

P 9 The use of neuromuscular blocking agents and its reversal in adult, pediatric and pregnant patients: an Italian survey of current management
A. Federici, M. Ciuffreda, E. Pisello, L. Brugiaferri, C. Piangatelli, D. Galante

P 10 Cognitive function in cardiac surgery patients with postoperative delirium after ICU discharge: a systematic review
V. Giordano, F. Gravante, S. Amato, N. Simonelli, C. Mercuri, S. Bambi, M. Catone

P 11 Post-operative Intensive Surveillance (PoIS): a new score to predict ICU deserving admission
F. Aurelli, G. Lionetti, R. Piscopo, E. Giustiniano, F. Nisi, F. Piccioni, M. Cecconi

P 12 Pain as a driver of myocardial injury in hip fracture patients: a HIP fracture Accelerated surgical TreatMent And Care track (HIP ATTACK) Trial secondary analysis
F. Mulazzani, J. Khan, P. Devereaux, K. Balasubramanian, V. Harvey, Investigators Hip Attack-1, F. Borges

E-POSTER CORNER 2

Wednesday
MAY 7

DISCUSSION
h. 13.00 - 14.30

CASE REPORTS
Chairpersons: H. Amirfarzan, M. Senturk

P 13 Systemic mastocytosis presenting as Kounis Syndrome: a rare case of cardiac arrest triggered by allergic reaction
E. Mauri, M. Scaffidi, C. Forlini, I. Giovannini, R. Giudici, R. Fumagalli

P 14 Impact of echographic pulse check on resuscitation in cardiac arrest due to Kounis Syndrome: a case report
R. Pugliese, E. Crisafulli, M.G. Galli, C. Solieri, F. Luppi, I.M. Lattuada

P 15 A small bite, a big problem: a case of septic shock from *Capnocytophaga canimorsus* in an asplenic patient
G. Gavanna, S. Perletti, T.M. Valetti, A. Marino

P 16 Brain abscess following lung transplantation: cherchez la femme!
L. Favorito, C. Bonetto, G. Sales, M. Pignataro, S. Corcione, F. Canta, A. Curtoni, V. Fanelli, L. Brazzi, G. Montrucchio

P 17 Rituximab induced interstitial lung disease: a case report
L. Guidi, V. Punzi, I. Giovannini, E. Martino, R. Giudici, R. Fumagalli

P 18 Capillary leak syndrome: a case report
M.M. Souto Valadares, E. Momesso, N. Boffa, D. Santagati, E. Finotto, C. Guarente

P 19 A case of hepatic sinusoidal obstruction syndrome in a spoke intensive care unit
A. Vivaldo, M. Albore, G. Carlidi, I.M. Pabon, A. Della Selva

P 20 Anesthetic management of open abdominal aortic aneurysm repair using remimazolam: a case report
A. Monte, M. Pitimada, T. Pozzi, S. Coppola, D. Chiumello

P 21 Combined locoregional anesthesia for urgent surgery in mucopolysaccharidosis II (Hunter syndrome): a case report
A. De Simone, A. Sinagoga, O.P. Volino, M.E. Porcelli, G. Lauro, R. Villani, M. Mariani, A. Longobardi, S. Cotena, S. Alfieri, V. Schettini, R. Annunziata

P 22 Intra-arterial nimodipine for basilar vasospasm after subarachnoid hemorrhage: a case report
M. Hurpet, M.C. Laganà, F. Daniele, A. Guglielmi, G. Mazza

P 23 Anesthetic management for cesarean section in a patient with an intracranial arachnoid cyst: a case report
E. Croce, A. Barbaria, S. Poma, C. Baldi, I. Bitetti, F. Broglia, M. Ciceri, M.P. Delmonte, M. Fuardo, F. Morgante, S. Pellicori, E.M. Roldi, S. Natoli, A. Locatelli

P 24 Postoperatively developed pulmonary embolism in a patient with bilateral lower extremity DVT and duplication of the inferior vena cava: case report
M. Marjanović, S.M. Lovrenović, V. Hostić

E-POSTER CORNER 1

Thursday
MAY 8

DISCUSSION
h. 13.00 - 14.30

ECMO AND VENTILATION

Chairpersons: M. Belliato, T. Mauri

- P 25** Awake veno-venous extracorporeal membrane oxygenation for the management of right-to-left intra-cardiac shunt: a case report
C. Ripa, J. Murugachandran, P.A. Calvert, R. Gatherer
- P 26** ECMO weaning and physiotherapy as exercise equivalents in critical care
M. Lubian, L. Giosa, P.D. Collins, B. Sanderson, F. Pugliese, R. Del Signore, M. Chioccola, S. Shetty, L. Camporota
- P 27** Weaning from VA-ECMO in a patient with severe pulmonary hypertension and right ventricular failure: a case report
M. Hurpet, A. Bagliani, C.N.J. Colombo, G. Maggio, S. Mongodi, D.K. Radolovich, L. Civardi, F. Grandini, L. Perotti, L. Corrà, A. Guglielmi, F. Capra Marzani, G. Tavazzi
- P 28** Hemodynamic improvement in refractory respiratory failure after VV-ECMO implantation: the experience of a referral center
R. Labanca, M. Pieri, S. Fresilli, G. Monti, P. Nardelli, L. Baldetti, E. Fominskiy, M.A. Bonizzoni, A. Zangrillo, G. Landoni, A.M. Scandroglio
- P 29** ATIII deficiency and thrombotic risk in COVID-19 ECMO patients: insights from a subgroup analysis
R. Del Signore, S. Shetty, M. Chioccola, B. Sanderson, F. Pugliese, P.D. Collins, L. Giosa, L. Camporota
- P 30** Extracorporeal carbon dioxide removal (ECCO₂R): case series in the ASST Valcamonica Hospital
E. Zendra, G. Barboni, A. Tessadori, D. Fiumanò, S. Simoncini, G. Richini, R. Zanotti, C. Santorsola, F. Restuccia, I. Gatti, A. Corona
- P 31** EtCO₂ to PaCO₂ ratio: an indicator of lung gas exchange efficiency
I. Grava, S. Cattaneo, L.M. Titherington, B. Donati, M. Caronna, G. Gazzè, E. Rollo, C. Chiumiento, Z. Li, W. Gallese, M. Busana, S. Gattarello, F. Collino
- P 32** Ventilator-induced diaphragmatic dysfunction: the role of esophageal pressure-guided mechanical ventilation
C. Biuzzi, F. Anedda, F. Remiddi, S. Mori, E. Modica, D. Marianello, F. Franchi, S. Scolletta
- P 33** Decremental flow trial in hypoxemic patients on high-flow nasal cannula: comparison of physiological methods to select optimal flow
G. Bernasconi, A. Castelli, M. Leali, E. Spinelli, T. Rosà, M. Ciniero, M. Bonanni, D.L. Grieco, S. Spadaro, G. Grasselli, T. Mauri
- P 34** An emulated trial of airway pressure release ventilation (APRV) compared to conventional ventilation for patients with moderate to severe acute hypoxaemic respiratory failure
B. Sanderson, P. Ramesh, R. Keogh, L. Rose, L. Camporota
- P 35** Integrating arterial compliance with left ventricular performance in predicting VA-ECMO weaning: results from a monocentric prospective study
C.N.J. Colombo, F. Rossi, A. Bagliani, L. Perotti, L. Civardi, F. Capra Marzani, R. Totaro, S. Guida, M. Belliato, R. Camporotondo, C. Pellegrini, G. Tavazzi
- P 36** Ramp-down / ramp-up protocol for biventricular dysfunction management with Ecpella support
C. Dinale, B. Vitali Rosati, A. Barbaria, S. Todaro, E. Tomarchio, U. Di Dedda, T. Aloisio, G. Mondellini, C. Giordano, M. Ranucci, M. Mondino, M. Van Meighen, R. Lorusso, P. Meani

E-POSTER CORNER 2

Thursday
MAY 8

DISCUSSION
h. 13.00 - 14.30

ICU

Chairpersons: D. De Luca, S. De Rosa

- P 37** Assessing Frank's sign as a predictive marker for cardiovascular diseases in a clinical setting
A. Federici, M. Ciuffreda, E. Pisello, L. Brugiaferri, C. Piangatelli, D. Galante, A. Grilli
- P 38** Serum cholinesterase: a revisited nutritional marker in ICU?
L. Bea, F. Merlo, S. Bo, C. Filippini, M. Morscio, C. Bonetto, G. Sales, G. Montrucchio, L. Brazzi, F. Collino
- P 39** Albumin versus crystalloids: fluid distribution and albumin kinetics in pigs ventilated at different mechanical power
G. Gazzè, E. Rollo, B. Donati, M. Caronna, I. Grava, L.M. Titherington, C. Chiumiento, Z. Li, W. Gallese, F. Collino, M. Busana, M. Quintel, O. Moerer, S. Gattarello
- P 40** Urinary cell-cycle arrest proteins for early prediction of acute kidney injury after lung transplantation
D.P. Carrà, M. Bosone, G. Turconi, V. Vago, S.M. Colombo, V. Beltrama, M.A. Brivio, L.C. Morlacchi, L. Rosso, M. Nosotti, F. Blasi, G. Grasselli, V. Scaravilli
- P 41** Perioperative amino acids infusion in patients with prolonged cardiopulmonary bypass. A secondary analysis of the PROTECTION trial
A. Pruna, A. Nutta, L. Fossati, L. Notarianni, N. De Piccoli, G. Giardina, F. Consolo, K. Alm-Kruse, F. Monaco
- P 42** Long-term outcomes of acute kidney injury
Ö.Ö. Asiller, S. Fresilli, R. Losiggio, R. Labanca, A. Greco, F. Papale, B. Chiodi, F.M. Oliva, S. Fiorito, G. Landoni
- P 43** Acid-base status in critically ill patients: physicochemical vs. traditional approach
S. Mancusi, G. De Filpo, A. Bonaiti, A. Ciabattoni, S. Coppola, D. Chiumello
- P 44** Microcirculatory function and hemodynamic coherence are preserved in polytrauma patients treated with high or low doses of norepinephrine
C. Biuzzi, N. De Filippis, L. Sorelli, E. Modica, D. Pizzirani, B. Galgani, D. Marianello, F. Franchi, S. Scolletta
- P 45** Estimation of pleural pressure from central venous pressure: a prospective study
G. Ogliari, L. Mazzuca Mari, G. Pradissitto, S. Crisci, F. Fusina, F. Albani, M. Bertelli, A. Morandi, G. Natalini
- P 46** Fast-track approach in open abdominal aortic repair may reduce the predicted rate of postoperative complications
G. Vigliercio, S. Pugliese, G. Lionetti, F. Nisi, E. Civilini, E. Giustiniano, F. Piccioni, M. Cecconi
- P 47** The use of virtual reality as a management strategy for delirium in intensive care patients
S. Bianchi, M. Cardinali, F. Martini
- P 48** Designing a nursing minimum dataset model: a multi-round Delphi approach to validate "core" nursing-sensitive patient outcomes in intensive care settings
L. Cellura, S.G. Scaglia, R. Arioli, M. Cesari, A. Quaini, G. Grugnetti, A.M. Grugnetti
- P 49** A pragmatic model for quantifying CO₂ removal in a multiorgan extracorporeal support system (ADVOS)
B. Donati, S. Giovanazzi, D. Nocera, M. Caronna, I. Grava, G. Gazzè, E. Rollo, L.M. Titherington, C. Chiumiento, W. Gallese, Z. Li, M. Busana, M. Quintel, O. Moerer, S. Gattarello

E-POSTER CORNER 1

Friday
MAY 9

DISCUSSION
h. 13.00 - 14.30

INFECTION AND SEPSIS

Chairpersons: M. Antonelli, A. Messina

- P 50** **How to monitor infection control activity in the intensive care unit: a proposal of a systematic data collection framework on carbapenem resistant Enterobacterales gastrointestinal colonization**
M. Venitucci, E. Frassinelli, D. Mantoan, R. Traversi, K.C. Mendez, G. Angioni, F. Nicolosi, C. Silvestre, F. Grieco, V. Fanelli, G. Montrucchio, L. Brazzi
- P 51** **Intensive care unit-acquired bloodstream infections: preliminary data on outcomes and microbiologic characteristics in a 10-years cohort of Italian ICU**
R. Traversi, M. Colaneri, V. Sanna, C. Genovese, M. Offer, G. Tricella, G. Scaglione, E. Palomba, F. Agostini, F. Dore, G. Monti, B. Viaggi, A. Gori, L. Brazzi, G. Montrucchio
- P 52** **The importance of microbiological surveillance in transplant recipients: Clostridium beyond the gut. A case report**
A.P. Merli, G. Paolini, T.M. Valetti, A. Marino
- P 53** **Continuous vs. intermittent meropenem administration in critically ill patients and renal function. A secondary analysis of the MERCY trial**
M. Marmiere, E. Mongardini, G.M.L. Piemontese, M. Borello, G. Torraco, A. Greco, F. Papale, G. Todaro, M. Baiardo Redaelli, G. Monti
- P 54** **Pleural empyema treated with early surgical source control in children: a case series - Introduction**
M.M. Bitondo, T. Digiacomio, R. Ciruolo, L. Nocilli, F. Ceccaroni, J. Montomoli
- P 55** **Skin lesions and fungal infections in ICU: diagnostic and therapeutic challenges. A case report**
G. Carlin, R. Traversi, I. Verderosa, F. Collino, U. Simonetti, M. Morscio, F. Mafrica, M. Buzio, S. Mornese Pinna, A. Curtoni, V. Fanelli, L. Brazzi, G. Montrucchio
- P 56** **Effectiveness of early Angiotensin II infusion in catecholamine non responsive septic shock**
A. Tessadori, G. Barboni, E. Zendra, D. Fiumanò, S. Simoncini, G. Richini, R. Zanotti, C. Santorsola, F. Restuccia, I. Gatti, A. Corona
- P 57** **RUMSHOT (Risk Understanding Model in Sepsis / Refractory sepsis mUltiorgan Monitoring Scoring: an Holistic Observation Tool). A novel multiparametric mathematical model for advanced sepsis assessment and early identification of refractory septic shock**
E. Crisafulli, D. Saccone, V. D'Alessandro, M. Bizzi
- P 58** **Mechanical power as an indirect marker of severity in sepsis**
L.M. Titherington, I. Grava, C. Chiumiento, B. Donati, M. Caronna, G. Gazzé, E. Rollo, Z. Li, W. Gallese, O. Moerer, M. Busana, S. Gattarello
- P 59** **The PPI-SEPSIS randomized clinical trial**
M. Marmiere, D. Pontillo, C. Nakhnoukh, E. Ronca, M. Veneziano, A. Nutta, L. Fossati, G. Todaro, G. Landoni, G. Monti

E-POSTER CORNER 2

Friday
MAY 9

DISCUSSION
h. 13.00 - 14.30

NEURO AND PICS

Chairpersons: P. Mangili, F. Rasulo

- P 60** **Reversal wave in cerebral artery in mechanical circulatory support. It is not what it seems**
A. Bagliani, D. Radolovich, C.N.J. Colombo, A. Guglielmi, G. Tavazzi
- P 61** **Early detection of low cardiac output syndrome using amplitude-integrated EEG in postoperative pediatric cardiac patients**
G. Castelli, A. Barbaria, G. Isgrò, T. Aloisio, M. Mastrangelo, A. Giamberti, M. Ranucci
- P 62** **Beyond N20: multimodal monitoring for neurological prognostication in severe trauma**
N. Gallina, C. Volpi, T.M. Valetti, A. Marino
- P 63** **Strengths and pitfalls of continuous electroencephalographic (EEG) monitoring with the Masimo SedLine System in Neuro-Intensive Care Unit**
M. Corbani, A. Guglielmi, M. Pagani, F. Daniele, M.C. Laganà, G.M. Mazza, A.R. Aliberti, A. Bolongaro, A. D'Arcamo, M. Voltini, M. Erba, F. Sciutti, M. Hupert, S. Abhishek, S. Benedetti, E. Sartori, G. Tavazzi
- P 64** **Treatment strategies in aneurysmal subarachnoid hemorrhage: a retrospective single-center study**
F. Moretto, P. Miletta, L. Mesiano, M. Maddaluno, C. Coda, L.V. Vanni, C. Stanca, E. Crobeddu, G. Cammarota, F. Grossi, A. Carriero, C. Cossandi, P. Panni, R. Vaschetto
- P 65** **Waxing and waning consciousness in a patient with a midbrain cavernous malformation: illustrative case**
G. Mazzaglia, J. Falco, D.S. Rossi, A.P. Savoldi, F.G. Magnani, A. Castelli, E.P. Farina, P. Ferroli, M. Gemma
- P 66** **Advanced intracranial pressure analysis: from raw data to clinical synthesis**
G. Ogliari, F. Graziano, A. Fornoni, P. Spiandorello, M. Baggiani, G. Citerio
- P 67** **Long-term outcomes and quality of life after VV-ECMO support for ARDS**
R. Labanca, M. Pieri, S. Fresilli, E. Fominskiy, P. Nardelli, M.G. Calabrò, A. Franco, A. Ortalda, C. Francescon, A. Gambirasio, T. Scaglia, S. Ajello, A.M. Scandroglio
- P 68** **Lived experiences of PICS in ICU survivors: a qualitative study**
F. Gravante, S. Simeone, G. Pucciarelli
- P 69** **Live or survive? Narrative review of the literature on post-cardiac arrest quality of life and ECMO treatment**
A. Amati, R. Arioli, S.G. Scaglia, L. Cellura, S. Longo, A.M. Grugnetti, G. Grugnetti
- P 70** **Quality of life perception after ICU discharge in patients with heel pressure ulcers**
F. Binda, F. Marelli, V. Rossi, A. Ulisse, J. Pozzoli, P. Roselli, I. Adamini
- P 71** **Do clinical and sociodemographic variables predict the risk of malnutrition in patients with critical illness before 36h?**
F. Trotta, D. Bartoli, F. Petrosino, G. Pucciarelli

EDUCATIONAL COURSES

Faculty

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

- Corso Teorico-Pratico **VAM 2025
I FONDAMENTALI DELLA VENTILAZIONE
MECCANICA**
5-6 MAGGIO 2025
- Corso Teorico-Pratico
**ITACTAIC BeT - CERTIFICAZIONE IN
ECOCARDIOGRAFIA TRANSESOFOGEEA BASIC**
5-6 MAGGIO 2025
- Interactive Theoretical-Practical Course
**ACID-BASE EQUILIBRIUM:
TO REMEMBER YOU NEED TO UNDERSTAND...**
MAY 6, 2025
- Corso
**SOPRAVVIVERE ALLE INSUFFICIENZE VITALI
CRITICHE: RIANIMARE IL METABOLISMO TRA
NECESSITÀ, COMPLESSITÀ ED EFFICACIA**
7 MAGGIO 2025
- Corso Teorico-Pratico **NURSING
UPDATE VENTILAZIONE MECCANICA
PER INFERMIERI**
8 MAGGIO 2025

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

See details on page 74

Corso Teorico-Pratico **VAM 2025**
I FONDAMENTALI DELLA VENTILAZIONE MECCANICA

Direttore del Corso: **P. Navalesi** | Numero chiuso, max 80 partecipanti

OCEAN 2 - 4 HALL			
Lunedì 5 Maggio		Martedì 6 Maggio	
8.30	REGISTRAZIONE DEI PARTECIPANTI	8.30	La ventilazione non invasiva <ul style="list-style-type: none">I ventilatori, i circuiti, le interfacce - C. GregorettiLe indicazioni - M. Antonelli
8.45	Pump failure e lung failure: cause di insufficienza respiratoria acuta <ul style="list-style-type: none">Polmone - M. AntonelliVie aeree - S. NavaCuore - G. FotiSistema nervoso e muscoli - P. Navalesi	10.00	Lavorare sul polmone malato con le pressioni: caso clinico (ventilazione protettiva, PEEP, curva pressione-volume e reclutamento) G. Foti, C. Gregoretti
10.15	COFFEE BREAK	11.00	COFFEE BREAK
10.45	Supporto ventilatorio totale: modalità controllate <ul style="list-style-type: none">Volume - G.A. IottiPressione - C. Gregoretti	11.30	Supporto ventilatorio totale: modalità controllate <ul style="list-style-type: none">ARDS e VILI - V.M. Ranieri
11.30	Il circuito del ventilatore <ul style="list-style-type: none">Umidificazione - G. ContiNebulizzazione - G. A. Iotti	12.00	Come ventilo il paziente ostruttivo: caso clinico di stato di male asmatico M. Antonelli, G. Conti, S. Nava, P. Navalesi
12.00	Supporto ventilatorio parziale: modalità assistite <ul style="list-style-type: none">L'approccio USA: l'Assistita-Controllata - G.A. IottiL'approccio Europeo: il Pressure Support - G. Conti	12.45	Riduzione del carico ventilatorio: ruolo della LF-ECCO2-R - V.M. Ranieri
13.00	SNACK LUNCH	13.05	SNACK LUNCH
14.00	Supporto ventilatorio parziale: altre modalità assistite <ul style="list-style-type: none">Intermittent Mandatory Ventilation (IMV) - G.A. IottiBilevel / Airway Pressure Release Ventilation (APRV) - G. Foti	14.00	Il weaning - S. Nava
14.40	Valutazione della meccanica respiratoria passiva <ul style="list-style-type: none">Resistenza e AutoPEEP - G.A. IottiCompliance - G. Foti	14.30	L'estubazione - P. Navalesi
15.30	INCONTRO CON GLI ESPERTI Esercitazioni pratiche a rotazione Parte 1 - 4 Workstation - Docenti e Tutor	15.00	INCONTRO CON GLI ESPERTI Esercitazioni pratiche a rotazione Parte 2 - 3 Workstation - Docenti e Tutor
18.00	CHIUSURA DELLA GIORNATA	17.00	CHIUSURA DEL CORSO

ESERCITAZIONI PRATICHE

I partecipanti saranno suddivisi in gruppi di lavoro. Ciascun gruppo, guidato dai docenti e dai tutor, ruoterà su workstation con tappe di 30 minuti ciascuna nei due pomeriggi.

Corso Teorico-Pratico
ITACTAIC BeSt - CERTIFICAZIONE IN ECOCARDIOGRAFIA TRANSESOFAGEA BASIC



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

SKY 2 HALL			
Lunedì 5 Maggio		Martedì 6 Maggio	
8.30	REGISTRAZIONE DEI PARTECIPANTI	APPLICAZIONI TEE NEL PAZIENTE CRITICO (CASE-BASED LEARNING)	
BASI DI ECOCARDIOGRAFIA TRANSESOFAGEA		9.00	Warm-up: casi clinici sulle presentazioni del 1° giorno M. Lucchelli, F. Cislighi
9.00	Presentazione del Corso	9.30	Valvulopatie: le basi G. Tavazzi
9.15	Fisica degli ultrasuoni, impostazioni dell'ecografo, artefatti T. Aloisio	10.00	Sindromi aortiche acute F. Cislighi
9.45	L'esame BEsT: anatomia e proiezioni F. Sangalli	10.30	COFFEE BREAK
10.30	COFFEE BREAK	10.45	HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici Faculty
10.45	HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici Faculty	13.00	PAUSA PRANZO
13.00	PAUSA PRANZO	14.00	Arresto cardiaco ed E-CPR F. Sangalli
14.00	Il ventricolo sinistro: funzione sistolica e diastolica M. Lucchelli	14.30	Valutazione ecodinamica quotidiana nel paziente critico M. Lucchelli
14.30	Il ventricolo destro: funzione sistolica e diastolica G. Tavazzi	15.00	TEE nell'ipertensione polmonare acuta e cronica G. Tavazzi
15.00	Calcoli emodinamici e valutazione della volemia T. Aloisio	15.30	BREAK
15.30	BREAK	15.45	HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici Faculty
15.45	HANDS-ON Esercitazioni pratiche su simulatore e discussione di casi clinici Faculty	17.15	Valutazione finale
18.00	CHIUSURA DELLA GIORNATA	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 TRANSESOFAGEA 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.itacta.org/itactaic-best/

Interactive Theoretical-Practical Course

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

Course Director: T. Langer | Max 80 participants

OCEAN 1 HALL			
Tuesday May 6			
8.30	REGISTRATION	14.15	Metabolic acidosis: diagnosis and treatment with alkalinizing agents <i>N. Van Regenmortel</i>
8.40	Opening greetings and presentation of the Course <i>T. Langer</i>	14.35	Metabolic alkalosis: what produces and what maintains it <i>T. Langer</i>
8.50	Warm-up case <i>S. Brusatori</i>	14.55	Respiratory acidosis: when and how to correct it <i>L. Giosa</i>
9.00	Gas exchange. Overall evaluation of oxygen and CO ₂ : similarities and differences <i>L. Giosa</i>	15.15	Boston rules revisited <i>F. Zadek</i>
9.30	Decoding Henderson-Hasselbalch: a classic acid-base perspective <i>T. Langer</i>	15.35	Acid-base alterations induced by intravenous fluid therapy <i>F. Duska</i>
10.05	Physicochemical approach to acid-base equilibrium: advantages and limitations <i>N. Van Regenmortel</i>	15.55	BREAK
10.40	Blood gas analysis: understanding the machine, the measurements, and the mistakes <i>F. Duska</i>	16.15	Cerebrospinal fluid acid-base equilibrium <i>F. Zadek</i>
11.10	Technological evolution in blood gas analysis <i>D. Colombo</i>	16.35	Diuretics and acid-base <i>P. Caironi</i>
11.30	COFFEE BREAK	16.55	INTERACTIVE CLINICAL CASES - Part 2
11.45	Beyond the arterial sample: the added value of venous blood analysis <i>S. Brusatori</i>	17.55	CLOSING REMARKS <i>T. Langer</i>
12.05	Base Excess: merits and pitfalls <i>L. Giosa</i>		
12.25	INTERACTIVE CLINICAL CASES - Part 1		
13.25	LUNCH BREAK		

Unrestricted grant of 

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

Corso

SOPRAVVIVERE ALLE INSUFFICIENZE VITALI CRITICHE: RIANIMARE
IL METABOLISMO TRA NECESSITÀ, COMPLESSITÀ ED EFFICACIA

Board Scientifico: G. Iapichino, D. Radrizzani, A. Tredese, M. Zanello | Numero chiuso, max 20 partecipanti

MEETING 4 HALL	
Mercoledì 7 Maggio	
8.30	REGISTRAZIONE DEI PARTECIPANTI
9.00	Il Corso affronterà le seguenti tematiche in sessione interattiva* con i partecipanti: - 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

RAZIONALE: La nutrizione del paziente critico viene sempre più spesso demandata a consulenti esterni ben poco consci della gravità e variabilità delle funzioni vitali critiche e della complessità delle terapie farmacologiche o strumentali utilizzate in questi pazienti. L'obiettivo del corso è riuscire a migliorare la pratica della terapia metabolica-energetico-plastica nel complesso scenario di cura intensiva polivalente superando i numerosi conflitti che si pongono e che ne determinano un'applicazione spesso inappropriata.

* **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 e/o a 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

MEETING 1 HALL
Giovedì 8 Maggio

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





GENERAL

INFORMATION

GENERAL INFORMATION

MEETING VENUE

Allianz MiCo - North Wing



ENTRANCE: GATE 6

Viale Scarampo / Viale Teodorico corner, Milano Italy

Website: www.micomilano.it



ORGANIZING SECRETARIAT

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

ON-SITE SECRETARIAT

The SMART Secretariat will be available on-site (Level 2 of the Allianz MiCo - North Wing), from 7.30 a.m. of Wednesday May 7 to the closing of the scientific sessions, according to the following opening hours:

Wednesday	May 7	7.30 - 18.30
Thursday	May 8	8.00 - 18.30
Friday	May 9	8.00 - 18.00

SECRETARIAT DESKS - LEVEL 2

Registration Area

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

Reception

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

OFFICIAL LANGUAGES

SMART MEETING

English, no simultaneous translation.

WeSMART SESSIONS

English or Italian, no simultaneous translation.

SIMULATION SESSIONS

English or Italian, no simultaneous translation.

ORAL PRESENTATIONS AND E-POSTERS

English, no simultaneous translation.

COMPLEMENTARY ACTIVITIES

English or Italian, no simultaneous translation.

EDUCATIONAL COURSES

English or Italian, no simultaneous translation.

SMART NURSING

English or Italian, no simultaneous translation..

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 2, page 81).

COFFEE STATIONS

Coffee Stations are located in the Exhibition Area (see Catering Areas on Layout Exhibition Area, page 79).

PRESS REGISTRATION

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

GENERAL INFORMATION

SCIENTIFIC INFORMATION

ORAL PRESENTATIONS

Oral presentations are scheduled on May 7-8-9 at different sessions as specified in the program.

Total time assigned to each presentation:

- 12 minutes, including 4 min for discussion for Sessions
ANESTHESIA • Wed May 7
ICU - NEURO • Thu May 8
INFECTIONS & SEPSIS • Fri May 9
- 10 minutes, including 3 min for discussion for Sessions:
CASE REPORTS - ECMO • Wed May 7
VENTILATION: CLINICAL • Thu May 8
KIDNEY - VENTILATION: FROM BENCH TO BEDSIDE • Fri May 9

E-POSTER SESSIONS

All posters presented at the 36th SMART Meeting are displayed as E-posters on touchscreen monitors located in the E-Poster Corners (see Layout Level 2, page 79) from h 9.00 of Wednesday May 7 to h 17.00 of Friday May 9. Poster discussion will take place in the E-Poster Corners as detailed below:

Wednesday May 7, H 13.00 - 14.00

- Anesthesia (*E-Poster Corner 1*)
- Case Reports (*E-Poster Corner 2*)

Thursday May 8, H 13.00 - 14.00

- ECMO & Ventilation (*E-Poster Corner 1*)
- ICU (*E-Poster Corner 2*)

Friday May 9, H 13.00 - 14.00

- Infections & Sepsis (*E-Poster Corner 1*)
- Neuro & Pics (*E-Poster Corner 2*)

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.

E-POSTER FORMAT

Posters will be displayed as e-posters on 46" touchscreen monitors located in the E-Poster corners.

ABSTRACT PUBLICATION

After the meeting, abstracts (pdf files) will be published on www.smartonweb.org.

Best Abstract Award

During the **36th 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 8 at h. 18.00 in the Exhibition Area.**

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

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

Prizes:

1st PRIZE

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

2nd PRIZE:

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

3rd PRIZE:

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

GENERAL INFORMATION

REGISTRATION FEES

	BEFORE MARCH 10	AFTER MARCH 10	ON-SITE
Physicians ESICM Members	€ 296	€ 352	€ 392
Physicians AAROI, EAMS, ESPNIC, SIAARTI Members	€ 320	€ 390	€ 420
Physicians Non Members	€ 370	€ 440	€ 490
Physicians from low and middle-income countries §	€ 220	€ 270	€ 300
Veterinarians	€ 200	€ 220	€ 250
Daily Fee Physicians / Veterinarians	-	-	€ 200
Nurses *	€ 130	€ 160	€ 180
Visitors #	€ 122	€ 122	€ 122
Residents/Students **	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 or www.startpromotion.it. During the pre-registration procedure, Nurses will be required to upload a document proving their status. The congress bag is guaranteed only to pre-registered participants.
- # Registration for Visitors is mandatory. The Visitor Badge gives access to all SMART areas/spaces except for Scientific Halls.
- ** Pre-registration should be submitted online at www.smartonweb.org or www.startpromotion.it. During the pre-registration procedure, Residents/Students will be required to upload a document proving their status. Free admittance does not entitle to the congress kit.

Online pre-registrations should be submitted before **April 23, 2025**. 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, Sepsis Academy, Forum Sessions, High Fidelity Simulation Sessions, Educational Courses) and hotel reservation should be submitted online at the websites www.smartonweb.org and/or www.startpromotion.it. Please read the instructions carefully before starting your registration/reservation.

INSTRUCTIONS FOR PAYMENT

Payment of the registration fees can be made as follows:

- Bank transfer** (free of charge for the beneficiary)
To: START PROMOTION S.r.l.
Bank: Banca Intesa San Paolo Spa
IBAN: IT21X0306911310000027269163
SWIFT/BIC CODE: BCITITMM
As payment description please enter: **SMART 2025, first & family name of the Registrant**. If payment includes a High Fidelity Simulation Session, an Educational Course and/or a hotel reservation, please specify the High Fidelity Simulation Session number, 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 7, 2025**. No refund is due for later cancellations

INVOICING

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

GENERAL INFORMATION

FORUM SESSIONS

Admission to the Forum Sessions is free with mandatory pre-registration to be applied online at www.smartonweb.org and/or www.startpromotion.it.

Registrations will be accepted on a first-come-first served basis, depending on availability (**max 80 participants**). Registration to the SMART Meeting is required to participate. See details on page 32.

FORUM SESSIONS
A SIMULATION SESSION <i>Assessment of esophageal pressure and respiratory effort</i> Supported by SIDAM & SEDA
B SIMULATION SESSION <i>Alveolar recruitment and PEEP setting based on respiratory mechanics</i> Supported by DRAEGER
C WORKSHOP <i>Old techniques and new adjuncts in airway management</i> Supported by SEDA
D WORKSHOP <i>Continuous urinary electrolyte monitoring by K.I.N.G.®: clinical applications</i> Supported by KURES
E SIMULATION SESSION <i>Impella® in cardiogenic shock: indication, management and troubleshooting</i> Supported by JOHNSON & JOHNSON MEDTECH
F SIMULATION SESSION <i>Overview of E-CPR concepts and its clinical relevance. Cannulation techniques tips and tricks. AM Edition</i> Supported by EUROSETS
H WORKSHOP <i>Clinical artificial intelligence & acute kidney injury</i> Supported by U-CARE MEDICAL
I SIMULATION SESSION <i>Overview of E-CPR concepts and its clinical relevance. Cannulation techniques tips and tricks. PM Edition</i> Supported by EUROSETS
L SIMULATION SESSION <i>Optiflow Thrive™: tricks and tips for improved practice</i> Supported by FISHER & PAYKEL
M SIMULATION SESSION <i>E-CPR</i> Supported by GETINGE
N WORKSHOP <i>Balanced anesthesia: the role of volatile gases between clinical efficacy and environmental sustainability</i> Supported by BAXTER

HIGH FIDELITY SIMULATION SESSIONS

Admission to the High Fidelity Simulation Sessions is limited to **60 participants**, with mandatory pre-registration to be applied online at www.smartonweb.org and/or www.startpromotion.it.

Registrations will be accepted on a first-come first-served basis, depending on availability. Registration to the SMART Meeting is required to participate. See details on page 40.

HIGH FIDELITY SIMULATION SESSIONS	FEE
1 Sepsis blizard & cytokine storm	€ 30
2 Bridging the gap in ARDS: between evidence and practice	€ 30
3 Navigating shock: innovations and challenges in acute care	€ 30
4 Keep in mind: neurological disorders	€ 30
5 Hostile environment I In delivery room...	€ 30
6 Hostile environemt II In war medical outpost...	€ 30

Current Italian VAT is included

GENERAL INFORMATION

EDUCATIONAL COURSES

Admission to Educational Courses is limited to a restricted number of registrants, with mandatory pre-registration and pre-payment. Online registrations should be submitted at the websites www.smartonweb.org and/ or www.startpromotion.it.

Deadline: April 23, 2025. 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 2025
I FONDAMENTALI DELLA VENTILAZIONE MECCANICA

May 5-6, 2025 - Max 80 participants	
Not coupled with SMART registration	€ 580
Coupled with SMART registration	€ 460
Residents	€ 280

CORSO TEORICO-PRATICO
ITACTAIC BeSt - CERTIFICAZIONE IN
ECOCARDIOGRAFIA TRANSESOFAGEA BASIC

May 5-6, 2025 - Max 30 participants	
Not coupled with SMART registration	€ 350
Coupled with SMART registration	€ 300
Residents	€ 250

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

May 6, 2025 - Max 80 participants	
Not coupled with SMART registration	€ 240
Coupled with SMART registration	€ 200
Residents	€ 120

CORSO
SOPRAVVIVERE ALLE INSUFFICIENZE VITALI
CRITICHE: RIANIMARE IL METABOLISMO TRA
NECESSITÀ, COMPLESSITÀ ED EFFICACIA

May 7, 2025 - Max 20 participants	€ 80
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CORSO TEORICO-PRATICO NURSING
UPDATE VENTILAZIONE MECCANICA
PER INFERMIERI

May 8, 2025 - Max 35 participants	
Not coupled with SMART registration	€ 180
Coupled with SMART registration	€ 120
ANIARTI/SIAARTI Members	€ 140

Current Italian VAT is included

GENERAL INFORMATION

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 (250 m from the meeting venue, Gate 6 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 (250 m from the meeting venue, Gate 6 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-Abbiategrosso direction) and get off at Garibaldi (one stop only). Take the Lilac Line M5 (San Siro direction) and get off at Portello stop (250 m from the meeting venue, Gate 6 entrance).

🚆 BY TRAIN

Central Station

Take the Metro Green Line M2 (Assago-Abbiategrosso direction) and get off at Garibaldi (one stop only). Take the Lilac Line M5 (San Siro direction) and get off at Portello stop (250 m from the meeting venue, Gate 6 entrance).

Garibaldi Station

Take the Metro Lilac Line M5 (San Siro direction) and get off at Portello stop (250 m from the meeting venue, Gate 6 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 (250 m from the meeting venue, Gate 6 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

TAXI SERVICE

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

PUBLIC TRANSPORT

RICARICAMI TICKET

RicaricaMi is the rechargeable ticket for public transport in Milan. The ticket is not nominative. You can buy and recharge it at automatic cash machines or at retailers. All information available at www.atm.it

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 6, Viale Scarampo /Viale Teodorico corner) by metro, follow the directions below:

LILAC LINE M5 - Get off at Portello stop (250 m from the meeting venue, Gate 6 entrance)

RED LINE M1 - Get off at Lotto stop. Then take the Metro Lilac Line M5 (Bignami direction) and get off at Portello stop (250 m from the meeting venue, Gate 6 entrance).

GREEN LINE M2 - Get off at Garibaldi stop, take the Lilac Line M5 (San Siro direction) and get off at Portello stop (250 m from the meeting venue, Gate 6 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 (250 m from the meeting venue, Gate 6 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 (250 m from the meeting venue, Gate 6 entrance).

PARKING

Rooftop parking - For Sponsors Staff only

Parking located on the terrace of the Allianz MiCo **reserved for Sponsors Staff**. 150 parking spaces available. Parking rate: € 16.50 (legal VAT is included). Booking and pre-payment required through the ExhibitorServices online portal. Entrance through Teodorico ramp, Viale Teodorico. Open from h. 7.30 to h. 20.30, overnight parking not allowed.

Parking Portello Fiera - Piazza Gino Valle

Via Aldo Rossi, 10, Milano Ph +39 02 89835890
Covered parking, open and monitored 24/7. Direct surveillance from h. 6.00 to h. 22.00. Access outside Area B from via Aldo Rossi 10, coming from the A4 and A8 highways (exit via Certosa/FieraMilanoCity) via the Gattamelata tunnel. No booking required.
Daily rate: € 13/day (up to 13 hours) - € 18/day (24 hours)
Hourly rates: € 2.50/h (first 3 hours) - € 2/h (4th and 5th hour) - € 1.50/h (6th hour)

EXHIBITION

The Exhibition is open from h 8.00 of Wednesday May 7 to h 18.00 of Friday May 9.
L'esposizione è aperta dalle ore 8.00 di Mercoledì 7 Maggio alle ore 18.00 di Venerdì 9 Maggio.

COMPANY	BOOTH No.	COMPANY	BOOTH No.
ACCURATE	31 32 34 35	LIBRERIA CORTINA EDITORE	T2 T3 T4
ADVITOS	26 29	LINAUS	60
AFERETICA	63 64 65	MEDICAL GRAPHICS ITALIA	T7
AIR LIQUIDE	15	MEDIGAS	47 48
AMBU	44 46	MEDTEC	61 62
B BRAUN	70 71 72 73	MEDTRONIC	35
BD	42	MEHOS	57
BAXTER	55	MINERVA MEDICA	T1
BURKE & BURKE	27 30	MOSS	13
DB MED	61 62	NIHON KOHDEN	43 45
DIASORIN	39	PICCIN NUOVA LIBRARIA	T8
DIMAR - HMC	18 19 20 21	POLIMED	49 51
DRAEGER ITALIA	22 23	SEDA	33 36 3ATL
EDWARDS LIFESCIENCE	58	SIAARTI	T9
EMERGENCY	T5	SIARE	37 38
EUROSETS	24	SIMULKARE	66 67 68 69
ESTOR	54 56	SOL MILLENIUM EUROPE	7 9
FISHER & PAYKEL HEALTHCARE	1ATL	STRYKER	14
FLEXICARE	2ATL	TELEFLEX	75 77
FRESENIUS MEDICAL CARE	25	THERMO FISHER SCIENTIFIC	39
GETINGE	15	U-CARE MEDICAL	40 41
GRIFOLS	74 76	VANTIVE	53
INTERSURGICAL	4ATL	VIATRIS	45
ITALIA 3B SCIENTIFIC	50 52	WERFEN	T6
KURES	16 17	ZERINTIA HEALTHTECH	61 62

LAYOUT EXHIBITION AREA

LEVEL 2

EXHIBITION AREA

- > **EXHIBITION**
- > **RECEPTION**
 - Pre-registered Physicians & Nurses
 - New registrations Physicians & Nurses
 - Faculty
 - Sponsoring Companies
 - Info Point
- > **WeSmart Space Sepsis Academy**
- > **High Fidelity Simulation Center**
- > **Forum Space**
- > **Airway Training Lab**
- > **E-Poster Corners 1-2**
- > **Smart Social Lounge**
- > **Catering Areas**
- > **Restaurant**
- > **Bar**
- > **REGISTRATION AREA**
 - Pre-registered Residents & Students
 - New registrations Residents & Students
 - Pre-registered Visitors
 - New registrations Visitors
- > **Cloakroom**

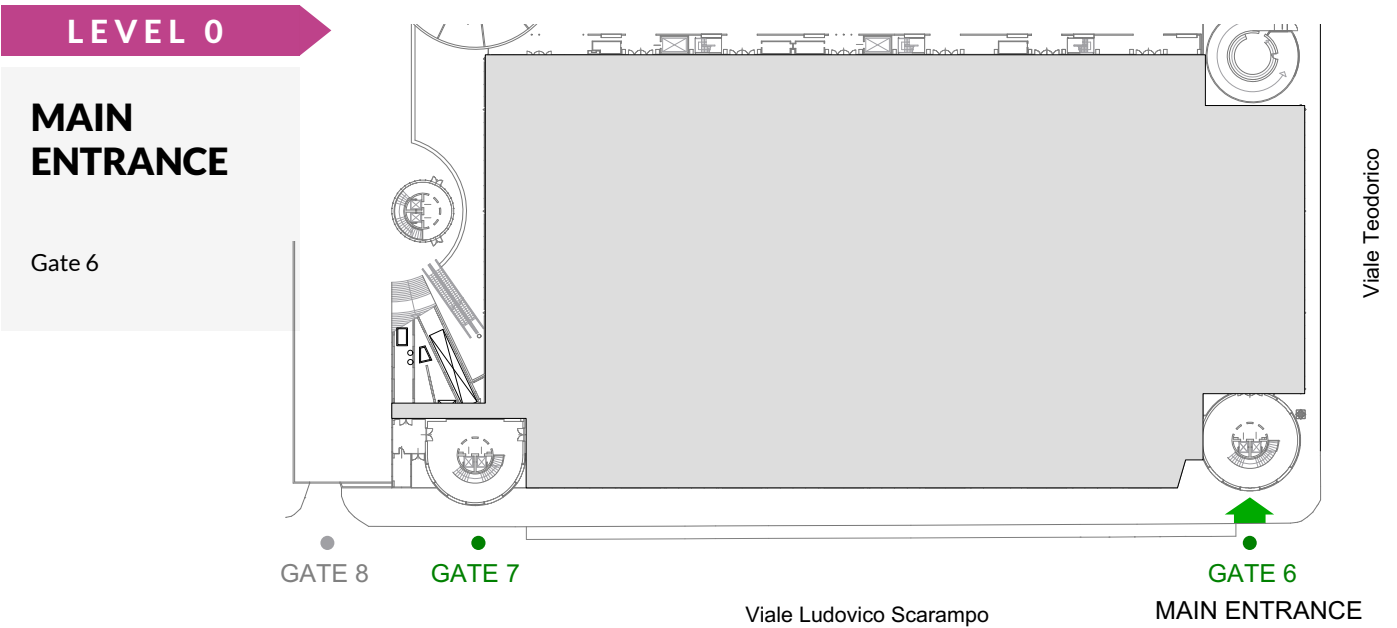
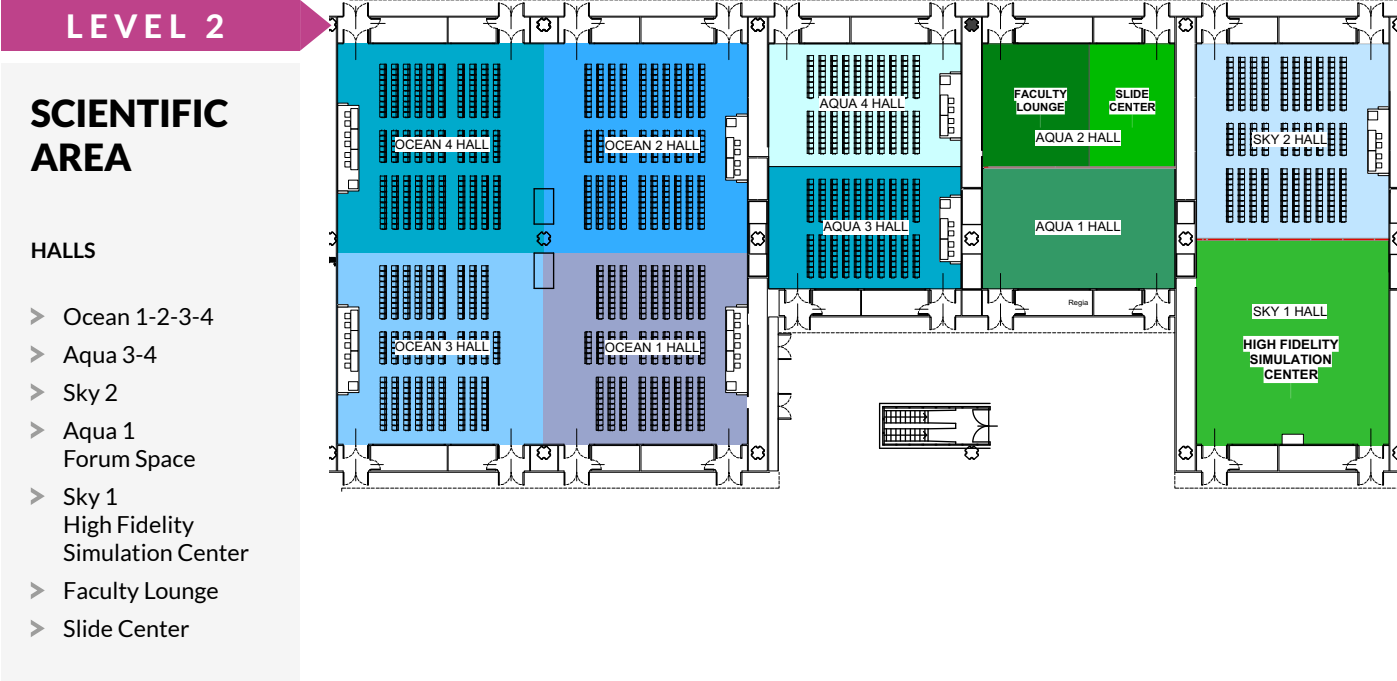


ACKNOWLEDGEMENTS

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



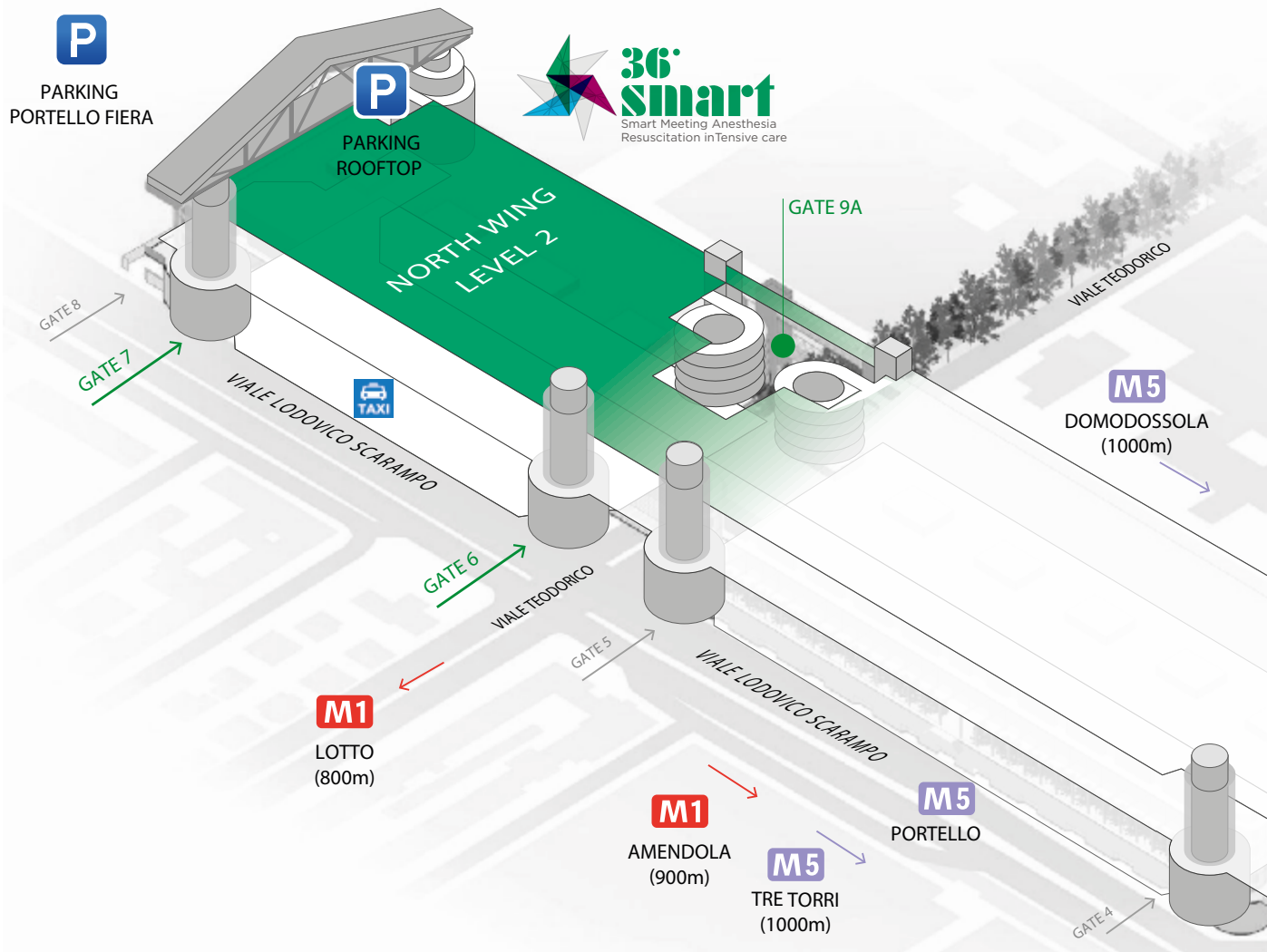
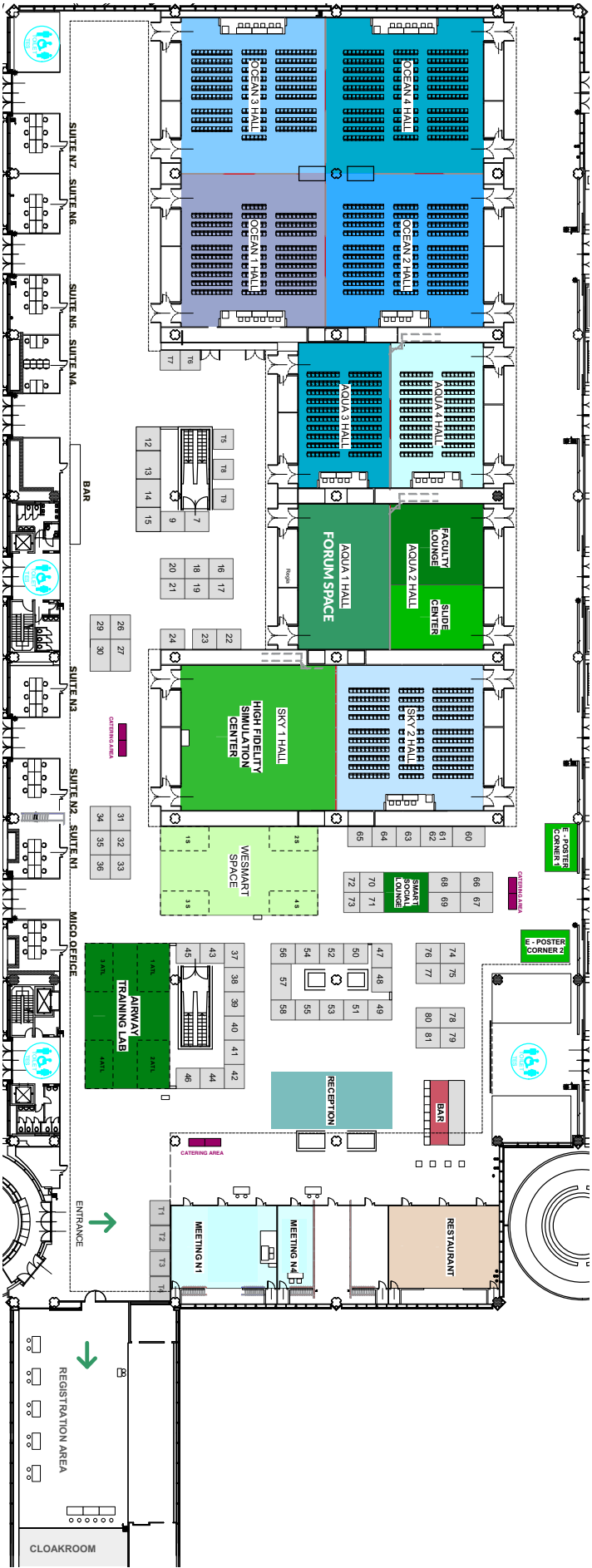
LAYOUT NORTH WING



LEVEL 2

> Scientific Area

> Exhibition Area



P Rooftop parking - For Sponsors Staff only
Parking located on the terrace of the Allianz MiCo reserved for Sponsors Staff. 150 parking spaces available. Parking rate: € 16.50 (legal VAT is included). Booking and pre-payment required through the Exhibitor Services online portal. Entrance through Teodorico ramp, Viale Teodorico. Open from h. 7.30 to h. 20.30, overnight parking not allowed.

Parking Portello Fiera - Piazza Gino Valle
Via Aldo Rossi, 10, Milano Ph +39 02 89835890
Covered parking, open and monitored 24/7. Direct surveillance from h. 6.00 to h. 22.00. Access outside Area B from via Aldo Rossi 10, coming from the A4 and A8 highways (exit via Certosa/FieraMilanoCity) via the Gattamelata tunnel. No booking required. Daily rate: € 13/day (up to 13 hours) - € 18/day (24 hours) Hourly rates: € 2.50/h (first 3 hours) - € 2/h (4th and 5th hour) - € 1.50/h (6th hour)



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