



31° smart

SMART MEETING ANESTHESIA RESUSCITATION INTENSIVE CARE

MILAN ITALY **MiCo**
MILANO CONGRESSI
SOUTH WING
2020 MAY 27-29





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Register now!

Online pre-registrations at www.smartonweb.org
Deadline: **May 8, 2020**

Call for Abstract

Online abstract submission at www.smartonweb.org
Deadline: **April 2, 2020**

Best Abstract Award

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



Meet the Expert Sessions

Sperimentate con successo nella scorsa Edizione, le Meet the Expert Sessions offrono la possibilità di una interazione veloce e diretta con esperti riconosciuti su alcuni temi di interesse. Si svolgono in uno spazio aperto situato nell'Area Espositiva, il Meet the Expert Corner, dotato di 40 posti a sedere provvisti di auricolari per l'isolamento acustico.

L'accesso è libero fino ad esaurimento posti.

Simulation Center più ampio

Per rispondere all'interesse crescente suscitato dalle sessioni di simulazione, sarà disponibile un Simulation Center di dimensioni più ampie.

Più Technical Forum

Alla luce del crescente successo delle edizioni precedenti, il numero di Technical Forum sarà ulteriormente incrementato.

I Technical Forum si svolgeranno nel Technical Forum Corner, uno spazio aperto situato nell'Area Espositiva, con 50 posti a sedere provvisti di auricolari per l'isolamento acustico.

L'accesso alle sessioni è libero, o ad invito, fino ad esaurimento posti.

Break pomeridiano

È stato introdotto un break di 30 minuti nelle sessioni pomeridiane, dalle 16.00 alle 16.30.



Incontro con l'Esperto

Le Aziende Espositrici potranno organizzare delle iniziative di "Incontro con l'Esperto" presso il proprio stand senza costi aggiuntivi, potendo contare sulla consulenza del Comitato SMART per la scelta dell'esperto e sul supporto della Segreteria Organizzativa per gli aspetti burocratici-amministrativi.

Smart Lab

Uno spazio all'interno dell'Area Espositiva potrà essere utilizzato dalle Aziende Espositrici a titolo gratuito per la realizzazione di sessioni Hands-On, gestite direttamente dalle Aziende.





HOT TOPICS IN CARDIAC INTENSIVE CARE

- Pharmacological or mechanical circulatory support in cardiogenic shock?
- Organ dysfunction after LVAD implantation
- Cardiac electrophysiology and the genesis of arrhythmias
- The importance of cardiovascular coupling in the daily management of critically ill patients
- Arterial stiffness: assessment and clinical implications

ADVANCED INTRAOPERATIVE ECHOCARDIOGRAPHY

- When is 3D essential, when useful, when it's a waste of time?
- LVAD evaluation: tricks and pitfalls
- Intraoperative TEE in minimally invasive cardiac surgery

HOT TOPICS IN VENOARTERIAL ECMO

- E-CPR: where are we going?
- Extracorporeal organ support for NHBD: perspective and limits
- Monitoring during VA-ECMO
- DCD heart retrieval and transplantation

HOT TOPICS IN CARDIOTHORACIC ANESTHESIA

- Tubeless thoracic surgery: myth or reality?
- Role of the anesthesiologist in minimally invasive cardiac surgery
- Neuromonitoring and neurocognitive outcomes in cardiac surgery



ALBUMIN IN 2020 AND BEYOND...

- Albumin oxidation: physiological meaning
- Albumin as an anti-infective agent
- Iso- vs. hyper-oncotic albumin-containing solutions
- Hypo-albuminemia as harmful factor: cause or effect?

TAILORING THERAPEUTIC STRATEGIES IN ACUTE BRAIN INJURY GUIDED BY...

- Pupillometry
- Brain ultrasound
- ICP-derived parameters
- Brain tissue oxygenation
- qEEG

TRAUMATIC BRAIN INJURY 2020: CENTER-TBI

- ICU patients: data from Center-TBI
- Imaging and biomarkers to improve phenotyping
- Extracranial complications: impact on outcome

OVERCOMING LIMITS IN NEUROINTENSIVE CARE

- Big Data and neurointensive care: how can they help us in clinical decision making
- Ischemic stroke 2020: more and more aggressive with treatments
- Mechanical ventilation in neurointensive care: is there a consensus?
- Decompressive craniotomy: did we overcome the limit?





SEPSIS CODE FROM ED TO ICU

- Is Clinical Signs enough?
- Antibiotic strategy: always fast and furious?
- Saline or balanced? Albumin is better
- Vasopressors: myths and evidences
- Source control: an essential but overlooked treatment

PRO-CON DEBATE SHOULD WE ALWAYS FOLLOW PHYSIOLOGY TO SET BEDSIDE THERAPY IN OUR PATIENTS?

NOVEL ASPECTS OF ANALGOSEDATION IN ICU

- Dexmedetomidine for sedation in ICU
- Volatile anesthetics
- Monitoring sedation in ICU
- Epidural analgesia in the ICU

ARTERIAL PRESSURE MONITORING: WHERE AND HOW?

- MAP-targeted fluid resuscitation should be abandoned!
- Optimal arterial pressure in septic patients
- The clinical interest of arterial elastance for the clinician
- Arterial pressure and cardiac output, just a matter of resistance?



UNSOLVED QUESTIONS IN TRAUMA

- Golden hour in trauma: is it still enough?
- Resuscitation and hemostasis: overload vs. under-resuscitation
- Hemorrhagic shock: to tube or not to tube?
- Pre-hospital use of REBOA in uncontrollable bleedings

TALKS ON TOMORROW IN ICU

- New therapy-related life-threatening toxicity in patients with malignancies. What the intensivist should know
- The role of the apps in anesthesia and critical care
- Is your smartphone the future of physiological monitoring?

ANESTHESIA AND COGNITION

- Advanced monitoring for brain protection
- Where frailty, neurocognition and delirium meet each other
- Novelties on neurocognition
- All we need to know about perioperative Brain Health Initiative

AIRWAY MANAGEMENT IN CRITICALLY ILL PATIENTS

- Intubation-related morbidity and mortality in critically ill patients - Intube study results
- When the target is at your fingertip but you do not succeed: role of videolaryngoscopes in the ICU
- Do high-flow nasal cannula reduce complications in hypoxic patients needing intubation?
- Human factors in airway management





HOT TOPICS IN PEDIATRIC ANESTHESIA

- Does rapid sequence induction have still a place in pediatric anesthesia?
- Reduction of risk in pediatric anesthesia: what should we know, what should we do
- Perioperative fluid management in children: can we sum it all up now?
- Perioperative care in pediatric anesthesia: it's better if we do it together
- Close-to-the-nerve vs. interfascial plane blocks: sniper rifle vs. shotgun

POINT-OF-CARE ULTRASOUND IN PICU AND NICU

- ESPNIC guidelines for point-of-care ultrasound in PICU and NICU
- How to optimize the use of ultrasound for vascular accesses
- Lung ultrasound in pediatric critical care: where are we?

WHAT'S NEW IN PEDIATRIC PAIN THERAPY

- Short and long term risks of opioids in children
- How NOT to run an acute pain service
- Can we prevent chronic postsurgical pain with regional anesthesia?
- How are you going to treat a child with persistent chronic postsurgical pain?



IS IT TIME FOR SUSTAINABILITY IN ANESTHESIA?

- The French experience
- Sustainability in the OR for beginners: a European toolkit
- Where are we?

ROUND DISCUSSION WHICH PEEP AND WHY?

GOING ABOVE THERAPY IN THE ICU

- Communication in the ICU
- Rounds at the bedside: we could do better
- Families and patients will never walk alone: tracheotomy in critically ill patients
- Early mobilization

WEANING FROM MECHANICAL VENTILATION: NEW ISSUES AND NEW SOLUTIONS?

- Where are we at with weaning?
A snapshot from the WEAN SAFE study
- Is P0.1 clinically useful in difficult weaning?
- Sedation-rehabilitation: a complex intervention in the ICU
- *Pro-Con Debate* - The role of pendelluft in weaning: any clinical relevance?

RECRUITING THE LUNG

- Lung recruitment. If, when, how
- Recruitment in ARDS: how to measure?
- Recruiting maneuvers during anesthesia: the good, the bad, the ugly!





ESOPHAGEAL PRESSURE AND PEEP TITRATION

- Determinants of esophageal-pleural pressure relationship in normal man
- The neglected variable in mechanical ventilation: lung volumes and transpulmonary pressures
- The pleural pressure distribution in the diseased lung
- Esophageal pressure to guide PEEP titration: does it make sense?

ELECTROLYTES IN ICU: ANYTHING NEW?

- Low concentration in the critically ill: when to worry?
- Electrolytes in the urine: how to use them?
- Electrolytes and acid-base equilibrium: where is the linkage?
- Hyperchloremic acidosis: a new way to control it

EXTRACORPOREAL LIFE SUPPORT: NEW EVIDENCES

- ECCO₂R for COPD. Time for a new star: the ORION study
- Lung recruitability in ECMO-treated ARDS patients
- EOLIA was the most positive 'negative' trial
- The future of ECMO trials

ABDOMINAL ISSUES IN THE ICU PATIENT

- Acute liver failure
- Abdominal infections as a sepsis source: diagnosis and management
- Microbiota in the ICU: not only a gut problem



ARTIFICIAL INTELLIGENCE AND BIG DATA

- Artificial intelligence: the way to go for Intensive Care Medicine
- Artificial intelligence in intensive care: are we there yet?
- *Pro-Con Debate* - Is research from Big Data reliable?

IMPROVING ORGAN AVAILABILITY FOR TRANSPLANT

- What can we do?
- What we actually do
- Optimizing the lung
- Optimizing the liver

DIFFICULT INFECTIONS IN DIFFICULT PATIENTS

- Co-infection in influenza
- How to improve antibiotic effectiveness in ICU: TDM approach
- Infections in ECMO patients
- Oncology and hematology patients
- Fungal recommendations. What if patient is critically ill?

PERIOPERATIVE MANAGEMENT OF VENTILATION

- *Pro-Con Debate* - Protective ventilation during anesthesia: is it relevant?
- The issue of perioperative hyperoxia
- Noninvasive oxygenation support in preoperative medicine





SEPSIS SCIENCE: PEARLS and PITFALLS

- The 12 elements that can improve outcome in sepsis
- Sepsis and fake news: putting data in perspective
- Has Sepsis-3 changed my approach to septic patient?
- Sepsis phenotypes: a step forward to personalized treatments

ACUTE RESPIRATORY DISTRESS SYNDROME OR SIMPLY ARF?

- Lessons from the LUNG SAFE study
- Protective ventilation in non-ARDS patients: different rules?
- The Radiographic Assessment of Lung Edema (RALE) score, a new tool for quantifying pulmonary edema on the chest radiograph

LOOKING OUTSIDE THE USUAL BOX: NON ISCHEMIC CAUSES OF CARDIOGENIC SHOCK

- Stress cardiomyopathies
- Arrhythmogenic cardiomyopathies
- Fulminant myocarditis

ULTRASOUND IS MY BEDSIDE TOOL FOR...

- Neuromonitoring
- Pain management
- Lung monitoring
- Hemodynamic management
- Setting the ventilator
- Renal function assessment
- An integrated approach to the surgical patient



UPDATE ON MDR/XDR MICROORGANISMS: PREVENTION, FAST MICROBIOLOGY AND MANAGEMENT

- Reducing the risk: successful strategies in infection control
- Fast and syndromic approach to microorganisms
- How to identify patient at risk
- New mechanisms of resistance and novel antibiotics
- De-escalation: when and how

iFADmini SMART - FLUID STEWARDSHIP FLUID PHYSIOLOGY

- An overview of recent trials on fluid therapy
- Introduction and interactive voting
- Everything you need to know about fluid physiology: from Frank-Starling to Guyton-Hall
- Hemodynamic monitoring and fluid responsiveness
- Everything you need to know about fluid therapy: 4 D's – 4 indications – 4 questions – 4 phases

iFADmini SMART - FLUID STEWARDSHIP THE PARADIGM SHIFT IN FLUID THERAPY

- Case presentation + interactive voting
- Maintenance and resuscitation fluids
- How to set-up a fluid guideline?
- How to guide deresuscitation

PRO-CON DEBATE WHAT I LIKE AND WHAT I DO NOT LIKE ABOUT THE SURVIVING SEPSIS CAMPAIGN GUIDELINES





ENERGY AND FEEDING ROUTE

- Glutamine: why should we give it
- Hypophosphatemia : a frequent life-threatening issue
- Glucose control: still actual?
- Overfeeding : a killer

METABOLIC SUPPORT: WHAT AND HOW MUCH

- Intermittent enteral feeding the first week?
- Optimal feeding route in sepsis
- How to use indirect calorimetry
- Individualized feeding

MECHANICAL VENTILATION AND VILI

- Impact of PEEP on RV function
- Reverse triggering: a highly prevalent dyssynchrony
- Why and how to measure respiratory effort
- Mechanical power and VILI: the final answer
- Intraoperative mechanical ventilation

PRO-CON DEBATE PLASMA FIRST

ACID BASE/ELECTROLYTES

- Yes, again Stewart. But, do you remember it?
- Boston rules: what's really behind these numbers?
- Diagnosis and management of hypernatremia in the ICU
- Potassium everywhere: intravenous fluids in renal failure



SEPSIS BEYOND THE FIRST HOUR

- SvO₂ in septic shock: from early goal directed therapy to late(r) ScvO₂ checks
- Is it time for small volume and low pressure approach?
- When I need more: rationale for adjunctive therapies
- Blood purification: evidences and hopes
- The long-term effects of sepsis

PRO-CON DEBATE CARBAPENEM SPARING STRATEGY IN CRITICALLY ILL PATIENTS: YES, WE CAN! NO, IT IS RISKY!

INNOVATION IN THORACIC ANESTHESIA

- Uniportal thoracoscopic surgery
- Should we follow the driving pressure for optimal management of OLV?
- Bioengineered lung: is that the future?

ACUTE RENAL FAILURE

- AKI biomarkers
- Acute kidney injury and ventilator settings
- *Pro-Con Debate* - Furosemide: when and how?

INTERACTIVE SESSION CHALLENGING SCENARIO

- Necrotising fasciitis beyond first hours
- How to treat severe CAP
- Patients with cardiac dysfunction and sepsis





- Respiratory physiology: the essential to manage a critical patient
- Setting and monitoring mechanical ventilation in the restrictive patient
- Setting and monitoring mechanical ventilation in the obstructive patient
- How to improve patient-ventilator synchrony
- High flow nasal cannula: indications and technique
- Understanding a gas analysis: from numbers to the respiratory and cardiocirculatory status
- The Mechanical Power as a target for VILI prevention
- Cardiocirculatory physiology: the essential to manage a critical patient
- Cardiac output measurement techniques
- Basic echocardiographic evaluation of the cardiac function
- Echocardiography in the management of septic shock
- Correct use of cardiovascular drugs in the critical patient
- Basic interpretation of acid base balance
- Optimal use of antibiotics in ICU
- Nutritional strategy in the critically ill
- Fluid management
- Managing electrolytes in the critically ill
- Management of brain injury
- Diagnosis of cerebral or cardiac death for organ donation
- Sedation in ICU
- Perioperative optimization
- Reducing opioids use as much as possible
- Recreational drugs: an update on what can affect anesthesia
- Procedural sedation
- Perioperative thromboprophylaxis



- Arterial pressure control during general anesthesia to prevent postoperative organ damage
- Anesthesia for interventional cardiac procedures
- Anaphylaxis in anesthesia
- Strategy for the difficult-to-intubate patient
- Managing postoperative pain
- Cardiocirculatory evaluation and management of the non-cardiac surgical patient
- Fluids should be treated as drugs: it is time to consider the 4 D's of fluid management: drug – dose – duration and de-escalation
- Management of oliguria: a pragmatic approach
- The 5 key points in the physiology of systemic venous return with a direct impact on hemodynamic management
- Challenges in pre-hospital trauma management
- Fluid management in hemorrhagic shock

Work in Progress

CARDIAC ARREST

GENERAL ANESTHESIA

REGIONAL ANESTHESIA

HIGH FLOW OXYGEN THERAPY

COAGULATION

PAIN MANAGEMENT

SMART NURSING



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