



**e-smart**  
SMART MEETING ANESTHESIA RESUSCITATION INTENSIVE CARE

MAY 24-28  
**2021**



**Program**



[www.e-smart2021.org](http://www.e-smart2021.org)



ENDORSED BY



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**ALL TIMES STATED IN CEST (Central European Summer Time)**





**LIVE HALL 1**

- 14.30 **DEBATE**  
**PSILI AND VILI IN COVID-19: FACT OR FICTION?**  
Chairpersons: M. Cecconi, L.B. Ware  
Discussants: L. Brochard, L. Gattinoni, P. Rocco, M. Tobin  
**Questions for discussion**
- What are the bases of PSILI?
  - Is PSILI an experimental model or a clinical reality?
  - Relative dangers of PSILI and VILI
  - Can we consider the hemodynamic behaviour as part of VILI?
- 15.45 *Break*
- 16.00 **LIVE SESSION**  
**USE OF IMMUNOGLOBULINS ENRICHED IN IgM IN PATIENTS WITH SEVERE PNEUMONIA**  
Supported by BIOTEST  
Chairperson: M. Girardis  
**Role of immunoglobulin in critically ill patients**  
A. Nierhaus  
**Use of IgM in severe community-acquired pneumonia**  
A. Torres  
**COVID-19 and IgM**  
F. Forfori
- 17.00 *Break*
- 17.15 **DEBATE**  
**NONINVASIVE OPTIONS FOR COVID-19: ADVANTAGES AND LIMITATIONS**  
Chairpersons: M. Antonelli, A. De Jong  
Discussants: D. Chiumello, S. Nava, L. Piquilloud, J.D. Ricard  
**Questions for discussion**
- What are the roles of HFNC and CPAP?
  - CPAP or NIV?
  - How to monitor patients on noninvasive support and where?
  - How do we recognize failure and what is the impact on outcome?
  - Prone position during CPAP/invasive ventilation

**LIVE HALL 2**

- 14.30 **DEBATE**  
**PREOPERATIVE EVALUATION IN 2021. CURRENT EVIDENCE AND OPEN QUESTIONS**  
Chairpersons: L. Brazzi, E. Minnella  
Discussants: A. De Gasperi, P. Pelosi, C.M. Samama  
**Questions for discussion**
- Which test / examinations are necessary and in what clinical context?
  - What are the comorbidities to identify? How to deal with them?
  - Obese patient: diagnostic approach and management
  - Frail patient: diagnostic approach and management
  - How does the COVID-19 patient differ from the others?
- 15.45 *Break*
- 16.00 **LIVE SESSION**  
**OVERWHELMING INFLAMMATION IN INFECTION: SEPSIS AND COVID-19**  
Supported by AFERETICA  
Chairperson: A. Zanella  
**Pancreatic stone protein as biomarker of sepsis and COVID-19**  
F. Ventura  
**Remodulation of cytokines in sepsis and COVID-19: evidence and clinical experience**  
G. Berlot  
**ECMO and inflammation**  
L. Gottin
- 17.00 *Break*
- 17.15 **DEBATE**  
**AIRWAY MANAGEMENT IN 2021. CURRENT EVIDENCE AND OPEN QUESTIONS**  
Chairpersons: G. Cortese, F. Petrini  
Discussants: T. Cook, R. Greif, S. Jaber, M. Sorbello  
**Questions for discussion**
- Awake or sleep induction? When? Why? How?
  - Which devices must be available? Which ones should be used? How?
  - What are the decision-making algorithms to know and implement?
  - What strategy to use to optimize pre-induction oxygenation?
  - What changes in the COVID-19 patient?

The following supplementary materials (**bricks**) focused on the topics of the Live Sessions will be available in the On-Demand Area of the platform starting from a few days before the live event.

**BRICKS**

- PSILI AND VILI IN COVID-19: FACT OR FICTION?**
- Measuring respiratory drive and effort in ARDS - L. Heunks
  - VILI: lessons from experimental models - N. Juffermans
  - Why the Berlin definition of ARDS should be expanded to include High Flow Nasal Oxygen - M. Matthay
  - Clinical manifestations of VILI - P. Pelosi
  - VILI: vascular stress and vascular injury - J.J. Marini
  - PSILI: pathophysiological bases - T. Yoshida
  - PSILI: clinical evidence - L. Camporota

**NONINVASIVE OPTIONS FOR COVID-19: ADVANTAGES AND LIMITATIONS**

- HFNC in acute hypoxemic respiratory failure - J.P. Frat
- HFNC in pre- and post-extubation respiratory failure - S.M. Maggiore
- Noninvasive management of COVID-19 - S. Grasso
- CPAP and NIV interface - D.L. Grieco
- Monitoring of patient on CPAP - G. Foti
- CPAP in prone position - G. Bellani

**BRICKS**

**PREOPERATIVE EVALUATION IN 2021. CURRENT EVIDENCE AND OPEN QUESTIONS**

- The role of perioperative echocardiography in 2020 - F. Sangalli
- Perioperative management of patients on anticoagulant/antithrombotic therapy - C.M. Samama
- Which drugs should I stop before anesthesia? - A. De Gasperi
- Allergy and anesthesia: managing the risk - P.M. Mertes
- Cardiopathic patient undergoing non-cardiac surgery - F. Guarracino
- The OSAS (Obstructive Sleep Apnea Syndrome) patient - F. Petrini
- Anesthetic management of severe obese patient - M. Margaron

**AIRWAY MANAGEMENT IN 2021. CURRENT EVIDENCE AND OPEN QUESTIONS**

- Awake tracheal intubation in adults - R.M. Corso
- Devices for airway visualization: state of the art - S. Falcetta
- Universal principles for extubation - S.N. Myatra
- How do I manage the bleeding airway - A. Patel
- Pre-oxygenation: too little, too much or just right - M. Margaron
- HFNO: preoxygenation - M. Sorbello
- Head & neck airway management and anesthesia in COVID-19 - S.N. Myatra

**LIVE HALL 1**

14.30 **DEBATE**  
**SECONDARY INFECTIONS IN COVID-19: PREVENTION AND MANAGEMENT**

Chairpersons: M. Girardis, N. Nielsen  
Discussants: J. De Waele, R. Ferrer Roca, I. Martin Loeches

**Questions for discussion**

- High incidence and infection control
- Role of surveillance
- Potential role of prophylaxis, SDD
- Appropriate therapy
- Role of fungal infections

15.45 *Break*

16.00 **LIVE SESSION**  
**ORGAN CROSS TALK IN THE CRITICALLY ILL PATIENT: THE NEXT GENERATION EXTRACORPOREAL ORGAN SUPPORT THERAPY (ECOS)**

Supported by BAXTER

Chairpersons: M. Antonelli, C. Ronco

Lung-Kidney interaction: benefits of ECCO<sub>2</sub>R combined with Renal Replacement Therapy  
P. Terragni

New ECOS platform to manage multiple and combined organ dysfunction  
F. Turani

17.00 *Break*

17.15 **DEBATE**  
**IMMUNE-MODULATION IN COVID-19: WHEN, HOW AND WHY?**

Chairpersons: J.F. Bermejo Martin, D. Payen  
Discussants: L. Derde, M. Shankar-Hari, J. Villar

**Questions for discussion**

- Pathophysiology and evolution of COVID-19
- Immune signature of COVID-19
- Role of steroids
- Cytokine blocking agents
- Endothelium and coagulation

**LIVE HALL 2**

14.30 **DEBATE**  
**FLUID STRATEGIES DURING SURGERY: WHICH AND HOW MUCH?**

Chairpersons: L. Gattinoni, A. Slutsky  
Discussants: D. Annane, M. Cecconi, T. Langer, M. Mythen

**Questions for discussion**

- Fluids or vasopressors?
- Which fluid?
- What guides the choice?
- What are the goals and therapeutic targets?

15.45 *Break*

16.00 **LIVE SESSION**  
**GUIDING LUNG PROTECTIVE VENTILATION USING ELECTRICAL IMPEDANCE TOMOGRAPHY (EIT)**

Supported by DRAEGER

Chairperson: G. Bellani

EIT for PEEP selection and assessment of lung recruitability  
T. Mauri

EIT and setting ventilation in COVID-19  
D. Gommers

EIT and assessment of lung perfusion  
M. Bodenstern

Discussion

17.00 *Break*

17.15 **DEBATE**  
**INTRAOPERATIVE ANESTHESIA MANAGEMENT IN 2021. WHERE ARE WE?**

Chairpersons: M. Gama de Abreu, P. Pelosi  
Discussants: E. Futier, J. Hunter, A. Pedoto, M.F. Vidal Melo

**Questions for discussion**

- Which vascular access to prefer? What is the most appropriate positioning and removal strategy?
- Secrets of optimal ventilation in the operating room
- What monitoring? For what procedure? In which patient?
- When is neuromuscular block needed? What is the adequate depth? What administration and withdrawal strategy? Where are we with monitoring?
- What needs to be changed in the COVID-19 patient?

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**BRICKS**

**SECONDARY INFECTIONS IN COVID-19: PREVENTION AND MANAGEMENT**

- Should I have to use prophylaxis in COVID-19? - J. Edgeworth
- COVID-19 associated pulmonary aspergillosis: identification and management - M. Giannella
- ICU-acquired infections and appropriate use of new antibiotics - P. Povo
- Role of viral reactivation in COVID-19 - L. Papazian
- Infection or colonization: when do I need to treat? - G. Montrucchio
- Ventilator-associated pneumonia and blood stream infections in COVID-19: risk factors and early identification - M. Leone

**IMMUNE-MODULATION IN COVID-19: WHEN, HOW AND WHY?**

- Prolonged glucocorticoid treatment in ARDS and severe COVID-19 - U. Meduri
- Cytokine blocking agents in critically ill patients - M. Shankar-Hari
- Blood purification in cytokine storm: time and benefits - V. Fanelli
- How to support immune-suppressed patients - E. Azoulay
- Immunoglobulins in severe CAP and COVID-19 - F. Forfori
- Clotting in COVID-19: treat endothelium disease - M. Marietta

**BRICKS**

**FLUID STRATEGIES DURING SURGERY: WHICH AND HOW MUCH?**

- Liberal, restrictive or goal-directed fluid management? - D. Annane
- Perioperative goal-directed hemodynamic therapy: what fluids should we use? - T. Langer
- What's new in fluid responsiveness assessment? - T. Scheeren
- Fluid therapy after surgery: which maintenance fluids in which patient? - N. Van Regenmortel

**INTRAOPERATIVE ANESTHESIA MANAGEMENT IN 2021. WHERE ARE WE?**

- Ultrasound guided vascular access and regional blocks - M. Lamperti
- Protective ventilation during general anesthesia - P. Pelosi
- Ventilatory management in the obese - G. Cortese
- Perioperative goal-directed hemodynamic therapy: new evidence - M. Mythen
- Role of perioperative pressure modification on myocardial injury - D. Wijeyesundera
- Optimization of the microcirculation: ready to be used in the operating room? - J. Duranteau
- Neuromuscular blocking agent: state of the art - M. Blobner



## LIVE HALL 1

- 14.30 **DEBATE**  
**EXTRACORPOREAL SUPPORT IN ARDS: WHAT IS NEW IN 2021?**  
Chairpersons: L. Camporota, A. Pesenti  
Discussants: C.L. Agerstrand, D. Brodie, A. Combes, R. Lorusso  
**Questions for discussion**
- Trends in ECMO in COVID-19
  - Have the indications changed? Should they change?
  - Organization of ECMO Services: what is the sensible approach
  - Clinical differences in ARDS or COVID-19 patients and in the two waves – what are the changes?
- 15.45 *Break*
- 16.00 **LIVE SESSION**  
**HIGH FLOW NASAL CANNULA (HFNC): FROM PHYSIOLOGY TO APPLICATION**  
Supported by FISHER & PAYKEL HEALTHCARE  
Chairperson: A. Pesenti
- Pathophysiology of HFNC application in adult patients  
T. Mauri
- HFNC in immunocompromised patients  
E. Azoulay
- HFNC use outside the ICU in COVID-19 patients  
G. Grasselli
- HFNC: can it prevent reintubation in extubation failure patients?  
G. Hernandez Martinez
- Discussion
- 17.00 *Break*
- 17.15 **LIVE SESSION**  
**ALBUMIN: WHERE ARE WE?**  
Supported by CSL BEHRING, GRIFOLS, KEDRION BIOPHARMA, TAKEDA  
Chairperson: L. Gattinoni
- Waiting for answer: the ALBIOSS-BALANCED study  
P. Caironi
- Waiting for answer: the ARISS study  
Y. Sakr
- Albumin oxidation in sepsis  
L. Gattinoni
- Albumin binding properties in the critically ill  
S. Di Bella
- My recipe for using albumin  
J.L. Vincent
- Discussion

## LIVE HALL 2

- 14.30 **LIVE SESSION**  
**STATE OF THE ART ON PERIOPERATIVE ANALGESIA**  
Chairpersons: A. Pedoto, G. Rosboch
- Perioperative opioids: friends or foe?  
F. Rubulotta
- What is the role of loco-regional anesthesia?  
A. Fanelli
- Anesthesia and cancer recurrence  
G. Rosboch
- Analgesic techniques in the elderly  
P. Grossi
- 15.45 *Break*
- KEYNOTE LECTURES**  
16.30 **TRAUMATIC BRAIN INJURY**  
G. Citerio
- 17.00 *Break*
- 17.15 **DEBATE**  
**POSTOPERATIVE MANAGEMENT IN 2021. WHERE ARE WE?**  
Chairpersons: R. Monzani, M. Quintel  
Discussants: H. Amirfarzan, F. Rubulotta, M. Senturk
- Questions for discussion**
- Is it time to focus on early mobilization and nutrition? In which patients? How?
  - What are the criteria for choosing the most appropriate postoperative care?
  - What is known about the long-term consequences of anesthesia? What can be done to prevent them?
  - What to focus on in the postoperative course of COVID-19 patients?

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## BRICKS

EXTRACORPOREAL SUPPORT IN ARDS:  
WHAT IS NEW IN 2021?

- Indications and outcomes of ECMO post EOLIA - A. Combes
- ECCO<sub>2</sub>R in ARDS - D. Chiumello
- Extracorporeal purification in ARDS - V.M. Ranieri
- ECMO in COVID-19 - V. Fanelli
- Physiology of gas exchange in ECMO - L. Camporota
- Coagulation management in ECMO - M. Panigada
- ECMO education & training in times of COVID-19 - M.V. Antonini
- Infections in ECMO - G. Grasselli
- Respiratory physiology: the essential to manage a critical patient - J.J. Marini
- Setting and monitoring the mechanical ventilation in a difficult-to-ventilate patient - N. Patroniti

## BRICKS

POSTOPERATIVE MANAGEMENT  
IN 2021. WHERE ARE WE?

- Perioperative monitoring 4.0 - F. Michard
- Postoperative delirium - H. Amirfarzan
- Chronic postoperative pain - G. Russo



## LIVE HALL 1

14.30 **DEBATE**  
**WHICH ALTERNATIVES IN PATIENTS  
REQUIRING VASOACTIVE DRUGS?**

Chairpersons: M. Cecconi, X. Monnet  
Discussants: L. Abrahao Hajjar, F. Guarracino,  
S. Price, A. Vieillard-Baron

**Questions for discussion**

- Common approach to shock
- Drawbacks of common approach
- Concept of deaminization
- Role of the new drugs

15.45 *Break*16.00 **KEYNOTE LECTURES**  
**TOP TRIALS IN CRITICAL  
MEDICINE IN 2020**  
K. Rowan16.30 **INNATE IMMUNITY, INFLAMMATION  
AND COVID-19: FROM GENETICS  
TO BIOMARKERS**  
A. Mantovani17.00 *Break*17.15 **LIVE SESSION**  
**THE MANY FACES OF ENDOTOXIC SHOCK:  
ROLE OF POLYMYXIN B HEMOPERFUSION**

Supported by ESTOR

Chairpersons: M. Antonelli, R. Ferrer Roca

Superinfections and endotoxemia in septic  
and COVID-19 patients  
R. Ferrer Roca

Endotoxic shock and Polymyxin B  
hemoperfusion in pulmonary  
and COVID-19 patients  
C. Ronco

New frontiers in septic-AKI: the dialysis  
membrane as therapeutic strategy  
G. Castellano

Discussion

## LIVE HALL 2

14.30 **LIVE SESSION**  
**SAFETY AND MONITORING  
OF THE INTUBATED PATIENT**

Chairpersons: L. Gattinoni, P. Pelosi  
Discussants: C. Carozzi, G. Li Bassi, B.A. McGrath

Elements for optimal endotracheal  
tube management  
G. Li Bassi

Tracheostomy care in ICU inside  
and outside the pandemic  
B.A. McGrath

VAP prevention and tracheostomy care  
G. Li Bassi

Bispectral index (BIS) monitoring: validity,  
uses and targets in critically ill patients  
C. Carozzi

Questions & Answers  
All

15.45 *Break*16.00 **LIVE SESSION**  
**ELECTRICAL ACTIVITY OF  
THE DIAPHRAGM (EAdi)**

Supported by GETINGE

Chairperson: A. Pesenti

Monitoring EAdi in real life: what for?  
G. Bellani

Monitoring EAdi in specific conditions  
P. Navalesi

EAdi triggered pressure support  
D. Colombo

Discussion

17.00 *Break*17.15 **LIVE SESSION**  
**CURRENT TRENDS IN EMERGENCY  
NEURO CRITICAL CARE**

Chairpersons: G. Citerio, M. Oddo

How to monitor brain tissue oxygenation?  
F.S. Taccone

Ischemic stroke: it is time for a more  
aggressive approach?  
P. Bouzat

Management of infectious meningitis  
and encephalitis  
R. Sonnevile

New frontiers for cerebral vasospasm treatment  
N. Bruder

The following supplementary materials (**bricks**) focused on the topics of the Live Sessions will be available in the On-Demand Area of the platform starting from a few days before the live event.

## BRICKS

**WHICH ALTERNATIVES IN PATIENTS  
REQUIRING VASOACTIVE DRUGS?**

- **Shocked patients: I prefer old drugs** - D. De Backer
- **Why I want to deaminize?** - F. Guarracino
- **Vasopressin in my daily practice** - G. Landoni
- **Inotropes are not similar** - A. Herpain
- **Cardiovascular physiology: the essential to manage a critical patient** - M. Pinsky
- **Evaluating and monitoring the myocardial function** - A. Mebazaa
- **Evaluating the volemic status and fluid management** - J.L. Teboul

**LIVE HALL 1**

14.30 **DEBATE**  
**TIMING AND DOSE OF RENAL REPLACEMENT IN THE CRITICAL PATIENT: ALWAYS EARLY AND INTENSE?**

Chairpersons: M. Ostermann, Z. Ricci  
Discussants: S.M. Bagshaw, L.G. Forni, C. Ronco, A. Schneider

**Questions for discussion**

- Early vs. delayed in surgical patient and in sepsis
- Which modality in which populations
- Which dose in which populations
- Antibiotics and nutrition in RRT
- Timing to stop RRT

15.45 *Break*

16.00 **PRO-CON DEBATE**  
**ONLY RCTs GIVE US CLINICAL EVIDENCE IN PANDEMICS**

Chairperson: M. Girardis  
Agree: A. Slutsky  
Disagree: J.L. Vincent, M. Singer

17.00 *Break*

17.15 **DEBATE**  
**SETTING PEEP AND TIDAL VOLUME IN COVID-19 PNEUMONIA**

Chairpersons: L. Gattinoni, A. Pesenti  
Discussants: L. Camporota, D. Chiumello, G. Grasselli, A. Protti

**Questions for discussion**

- What is the relationship between choice tidal volume and lung compliance (lung volume)?
- Ventilator parameters and variables useful to guide tidal volume selection?
- What are the risks of too high or too low tidal volume in COVID-19?
- Ventilator parameters and variables useful to guide PEEP selection?
- What is the relationship between PEEP, P/F ratio, compliance and timing of disease?

**LIVE HALL 2**

14.30 **DEBATE**  
**RESUSCITATION TARGET AND BLEEDING MANAGEMENT IN MAJOR TRAUMA**

Chairpersons: B. Prunet, N. Rachedi  
Discussants: V. Agostini, P.C. Spinella, K.C. Thies, T. Woolley, P. Young

**Questions for discussion**

- Which perfusion parameters to consider? To which target value?
- Which are the fluids to use?
- What else is needed to optimize the management?
- Optimizing coagulation. Where are we?
- Whole blood? Selective component? Specific factors?

15.45 *Break*

16.00 **KEYNOTE LECTURES**  
**UPDATE IN THORACIC SURGERY ANESTHESIA**

A. Pedoto

17.00 *Break*

17.15 **LIVE SESSION**  
**NEW EVIDENCE IN CARDIOPULMONARY RESUSCITATION IN 2021**

Chairpersons: B. Boettiger, G. Ristagno

**Advanced reperfusion strategies**  
M. Zanierato

**Targets for brain injured patients**  
G. Citerio

**Temperature management in post-cardiac arrest**  
T. Olasveegen

**Delirium and neurocognitive dysfunction**  
V.J. Page

**How do I neuro-prognosticate?**  
M. Oddo

The following supplementary materials (**bricks**) focused on the topics of the Live Sessions will be available in the On-Demand Area of the platform starting from a few days before the live event.

**BRICKS**

**TIMING AND DOSE OF RENAL REPLACEMENT IN THE CRITICAL PATIENT: ALWAYS EARLY AND INTENSE?**

- **Timing of RRT in specified populations: which evidence** - S. De Rosa
- **Dose in septic patients** - Z. Ricci
- **Down-time and new technologies** - A. Schneider
- **Adjusting antibiotic dosage in RRT** - F. Pea
- **Contraindications in citrate anticoagulation** - S. Romagnoli
- **Nutrition in renal failure and RRT** - M. Ostermann
- **Use of special membranes in RRT** - G. Villa

**SETTING PEEP AND TIDAL VOLUME IN COVID-19 PNEUMONIA**

- **Setting tidal volume in ARDS: physiology and evidence** - J.J. Marini
- **PEEP and recruitment in ARDS** - S. Grasso
- **Driving pressure, mechanical power and VILI** - T. Tonetti

**BRICKS**

**RESUSCITATION TARGET AND BLEEDING MANAGEMENT IN MAJOR TRAUMA**

- **Fluid management in hemorrhagic shock** - T. Woolley
- **Could whole blood be the solution for traumatic hemorrhagic shock?** - P.C. Spinella
- **Whole-blood transfusions in trauma** - V. Agostini
- **A blood supplier's perspective on implementing LTOWB for severe bleeding** - P. Young
- **Managing severe metabolic acidosis after cardiac arrest** - A. Cariou
- **Which hemodynamic parameter should we target for resuscitation?** - Z. Molnar



## TUTORIALS

- **WHY WE SHOULD CONSIDER INHALED SEDATION IN THE ICU**  
The role of volatile anesthetics in the context of current challenges  
*K. Röhm*  
Supported by 
- **CONCETTO 0-29. L'UTILIZZO DEL PowerGlide Pro NEI PAZIENTI COVID-19: ESPERIENZA MULTICENTRICA**  
*B. Mussa*  
Supported by 
- **VISIT OUR DIGITAL ICU AND DISCOVER OUR SOLUTION FOR EXTRACORPOREAL LUNG SUPPORT**  
Supported by 
- **LECTIO RATIONALE AND POTENTIAL ROLE OF MINI-INVASIVE ECCO<sub>2</sub>-R IN ARDS AND COVID-19 PATIENTS**  
*P. Pelosi*  
Supported by 
- **Respiratory failure in pregnancy: tips and tricks**  
*C. Nelson-Piercy*
- **Setting and monitoring the mechanical ventilation in a difficult-to-ventilate patient**  
*S. Grasso*
- **CPAP and High Flow Nasal cannula Oxygen**  
*C. Gregoretti*
- **Understanding a gas analysis: from the numbers to the respiratory and cardiocirculatory status**  
*L. Camporota*
- **Lung and diaphragm ultrasound: the essential**  
*S. Mongodi*
- **Cardiocirculatory physiology: the essential to manage a critical patient**  
*D. De Backer*
- **Evaluating and monitoring the myocardial function by pulse contour methods**  
*S. Scolletta*

## TUTORIALS

- **Evaluating the volemic status and fluid management**  
*M. Cecconi*
- **The use of cardiovascular drugs in the critical patient**  
*D. Pasero*
- **Ultrasound for the cardiocirculatory assessment: the essential**  
*G. Tavazzi*
- **Prevention and assessment of AKI**  
*L.G. Forni*
- **Managing electrolytes in the critically ill**  
*P. Caironi*
- **Interpretation of acid base balance**  
*T. Langer*
- **Continuous Renal Replacement Therapy (CRRT)**  
*S. Romagnoli*
- **Sedation in the critically ill**  
*G. Conti*
- **Sepsis: pathophysiology and clinical picture**  
*M. Girardis*
- **Managing sepsis and septic shock**  
*M. Antonelli*
- **Optimal use of antibiotics in the critically ill**  
*P. Viale*
- **Managing the brain injury**  
*C. Robba*
- **Nutritional strategy in the critically ill**  
*M.M. Berger*
- **Measurement of esophageal pressure**  
*F. Mojoli*
- **New bedside assessment of mechanical power**  
*F. Collino*



# e-smart

## ABSTRACTS

### **ABSTRACTS E-SMART 2021**

Abstracts will be uploaded to the E-SMART online platform [www.e-smart2021.org](http://www.e-smart2021.org) (E-Poster Area) and displayed in the assigned E-Poster Corner.

Abstracts (pdf files) will be available in the assigned E-Poster Corner throughout the 5 meeting days (May 24 to 28, 2021) and subsequently on-demand until March 21, 2022.

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### **ABSTRACT E-SMART 2021**

*Gli abstract saranno caricati sulla piattaforma [www.e-smart2021.org](http://www.e-smart2021.org) (sezione E-Poster) e saranno visualizzabili nell'E-Poster Corner assegnato.*

*Gli abstract (file pdf) saranno visionabili all'interno dell'E-Poster Corner assegnato per tutta la durata del convegno (24 - 28 Maggio 2021), e successivamente on-demand fino al 21 Marzo 2022*



## E-POSTER CORNER

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- P1** **Perioperative use of IgM enriched -immunoglobulins in liver transplantation recipients at high risk for infections**  
E. Roat, G. Chiarego, M. Tosi, F. Di Benedetto, M. Girardis
- P2** **Evaluation of satisfaction level and variation in knowledge after high-fidelity simulation multidisciplinary activities for medical residents**  
A.C. del Pozo, E. Giustiniano, N. Fusilli, V. Simili, N. Stomeo, L. Calabrò, L. Pugliese, C. Ebm, S. Brusa
- P3** **Blended learning achievements compared to face-to-face learning achievements in clinical simulation-based teaching**  
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- P4** **Diaphragmatic excursion and esophageal pressure swing: data from non-intubated COVID-19 patients**  
I. Steinberg, E. Chiodaroli, S. Cappio Borlino, M. Pitimada, C. Granata, M. Busana, P. Palermo, S. Gattarello, S. Lazzari, F. Romitti, D. Chiumello
- P5** **Three-month health consequences in COVID-19 critical care patients: results from a cohort follow-up study**  
V. Bellin, D. Ferlicca, A. Bronco, S. Sosio, V. Meroni, A. Lucchini, P. Faverio, A. Pesci, R. Rona, L. Avalli, A. Benini, P. Bonfanti, G. Foti
- P6** **Mechanical cardiopulmonary resuscitation in simulated microgravity and hypergravity conditions: a manikin study during parabolic flight**  
A. Forti, M.J. Van Veelen, T. Scquizzato, T. Dal Cappello, M. Palma, G. Strapazzon
- P7** **A physiology based veno-venous ECMO weaning**  
S. Lazzari, F. Romitti, M. Busana, S. Gattarello, I. Steinberg, P. Palermo, M.M. Palumbo, M. Onnen, K. Meissner, M. Quintel, L. Gattinoni
- P8** **A new technique to reduce the risk of aerosolization in percutaneous tracheostomy**  
G. Monti, E. Moizo, A. Ortalda, M. Velati, M. Consonni, R. Maj, F. D'Amico, L. Zaraca, I. Belardinelli, A. Zangrillo
- P9** **7282 patients and five years of "fast track" in elective brain neurosurgery**  
G. Mazzaglia, D. Caldiroli, C. Carozzi
- P10** **Angiotensin II infusion and renal outcomes in invasively ventilated COVID-19 patients**  
G. Landoni, E. Scarparo, R. Maj, G. Sanchini, M. Saracino, S. Fresilli, G. Senarighi, A. Pruna, F. Orbosuè, N. Maimeri

## E-POSTER CORNER

# 2

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T. Scquizzato, S. Fresilli, F. D'Amico, B.C.M. Righetti, M. Tozzi, S. Sordoni, F. De Donato, C. Barberio, L. Quaggiotti, G.M. Casiraghi, A. Zangrillo
- P12** **Characteristics and outcomes of patients with SARS-CoV-2 infection and out-of-hospital cardiac arrest: a systematic review and meta-analysis**  
T. Scquizzato, S. Sordoni, G. Lombardi, A.C. Alba, C. Frassanito, M. Sartorelli, M. Marzaroli, P. Palermo, M.A. Bonizzoni, B.C.M. Righetti, A. Zangrillo
- P13** **Incidence of pneumothorax/pneumomediastinum in non-intubated COVID-19 patients between the first and the second Italian pandemic wave**  
A. Belletti, D. Palumbo, A. Ortalda, B.C.M. Righetti, M. Velati, M. Marmiere, G. Lombardi, M. Salvioni, M. Consonni, C. Faustini, A. Zangrillo
- P14** **IL-6 inhibitors in patients with COVID-19 pneumonia: a systematic review and meta-analysis of multicenter, randomized trials**  
A. Belletti, R. Lembo, G. Mascherpa, G. Sanchini, M. Rocchi, G. Valsecchi, G. Recca, M. Filippini, R. Sofia, A. Zangrillo
- P15** **Analysis of road traffic accidents involving standing electric scooters as reported in newspapers in Italy**  
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- P16** **Platelet prothrombotic activity as a predictor of clinical outcomes in COVID-19 patients**  
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- P17** **Maximizing the chances of success in medical decisions**  
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- P18** **PROPOSE (PRehabilitation in Oncologic Patients undergoing SurgEry)**  
S. Turi, N. Pecorelli, E.M. Minnella, F. D'Amico, F. Puccetti, A. Bandiera, G. Villa, L. Nespoli, M. Braga, S. Romagnoli
- P19** **The effect of diaries on post-intensive care unit syndrome: a systematic review and meta-analysis of randomized controlled trials**  
A. Gazzato, T. Scquizzato, M. Consonni, C. Galbiati, C. Nakhnoukh, R. Cuffaro, F. Morselli, C. Frassanito, A. Migliaro, A. Zangrillo
- P20** **Risks and benefits of Ventilatory Ratio**  
P. Palermo, M. Busana, S. Gattarello, S. Lazzari, M.M. Palumbo, F. Romitti, I. Steinberg, L. Gattinoni

- P21** **ECMO treatment for COVID-19 related ARDS: the experience of Turin (North Italy) ECMO center**  
M. Feltrin, M. Francesconi, G. Montrucchio, U. Simonetti, C. Bonetto, F. Collino, M. Autelli, M. Magliola, L. Pirazzoli, R. Urbino, L. Brazzi, G. Sales
- P22** **Prone position improves oxygenation but not respiratory mechanics in mechanically ventilated SARS-CoV-2 patients**  
M. Bonifazi, P. Simili, G. Zuanetti, E. Sterchele, M. Lucenteforte, E. Chiodaroli, L. Bolgiaghi, P. Formenti, S. Coppola, D. Chiumello
- P23** **Low level anti-factor Xa activity still efficient in decreasing D-dimer in COVID-19 patients**  
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A. Accogli, M. Mariani, G. Montrucchio, U. Simonetti, C. Bonetto, M. Feltrin, M. Francesconi, B. Gilardino, C. Zinnato, R. Urbino, L. Brazzi, G. Sales
- P25** **Indications and sustainability of ECMO support during COVID-19 pandemic: the Turin (North Italy) ECMO center experience**  
M. Mariani, A. Accogli, G. Montrucchio, C. Bonetto, U. Simonetti, E. Di Vita, C. Obert, M. Zagagnoni, A. Giachetti, V. Fanelli, L. Brazzi, G. Sales
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- P27** **Effect of prone position on respiratory work and gas exchange during spontaneous breathing in patients with acute hypoxemic respiratory failure due to COVID-19 pneumonia**  
E. Chiodaroli, P.D. Wendel Garcia, S. Cappio Borlino, M. Pitimada, C. Granata, G. Zuanetti, S. Roli, M. Bonifazi, P. Formenti, L. Bolgiaghi, S. Coppola, D. Chiumello
- P28** ***Acinetobacter Baumannii* in COVID-19: a double challenge. A single centre preliminary experience**  
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- P29** **FIBTEM MCF and EXTEM MCF in monitoring fibrinogen deficiencies during liver transplantation**  
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- P30** **Respiratory drive and effort in patients with sepsis and septic shock: determinants and modulation by High Flow Nasal Cannula**  
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- P31** **Where do COVID-19 patients die?**  
M. Marmiere, M. Rocchi, C. Rossignoli, R. Losiggio, M. Lodovici, C. Marchetti, N. Sella, C. Pretto, M. Tocco, F. Guzzo, A. Zangrillo
- P32** **1-year survival, quality of life and functional recovery of COVID-19 patients**  
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- P33** **Pronation in awake COVID-19 patients: a systematic review and meta-analysis**  
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- P34** **The effect of cytokine adsorption therapy on the outcome of 359 critically ill patients**  
M.A. Bonizzoni, A.M. Scandroglio, M. Pieri, M.G. Calabrò, A. Belletti, M. Marmiere, F. Nani, A. Pruna, M. Nava, A. Zangrillo
- P35** **Does a Ventilation-Induced Lung injury threshold exist? An experimental study**  
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- P36** **Pulmonary aspergillosis in COVID-19 ARDS patients: a case series from a single center experience**  
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L. Foti, M. Suppressa, G. Iacopetti, Z. Ricci, G. Villa, S. Romagnoli, A. Messina
- P38** **Characterization with EIT of regional ventilation distribution in experimental lung injury induced by unilateral ligation of the pulmonary artery**  
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- P39** **Superinfections, ventilator associated pneumonia and SARS-CoV-2 – do they relate? A single centre preliminary experience**  
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- P40** **Veno-venous extracorporeal membrane oxygenation (V-V ECMO) in COVID-19 patients: is there room for bivalirudin anticoagulation?**  
C. Forlini, F. Serra, I. Giovannini, M. Bottirollo, G. Bassi, R. Giudici, R. Fumagalli
- P41** **Orthodeoxia and its implications on awake proning in COVID-19 pneumonia**  
L. Giosa, P. Caironi, M. Busana, F. Collino, D. Payen, L. Brazzi
- P42** **Higher versus lower positive end-expiratory pressure in patients without acute respiratory distress syndrome: a meta-analysis of randomized controlled trials**  
M. Tocco, T. Pettenuzzo, N. Sella, C. Pretto, D. Dotto, G. Andreatta, F. Geraldini, E. Pesenti, G. Pacchiarini, M. Tassone, S. Piovesan, D. Iori, A. Trimarchi, P.F. Pirelli, P. Navalesi
- P43** **Timing of intubation in critically ill COVID-19 patients: a multicentre retrospective study**  
C. Pretto, L. Pasin, A. Boscolo, N. Sella, M. Tocco, D. Dotto, G. Andreatta, F. Geraldini, E. Pesenti, G. Pacchiarini, M. Tassone, S. Piovesan, D. Iori, A. Trimarchi, P.F. Pirelli, P. Navalesi



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## **WEBINAR FAD ECM**

### **Accreditamento ECM del Webinar**

Il Webinar è stato accreditato presso il Ministero della Salute come “FAD Sincrona - corsi in diretta su piattaforma multimediale dedicata (aula virtuale, webinar)”, **3 crediti ECM** per l'anno 2021.  
*Dettagli alla pagina seguente.*

La partecipazione è gratuita, con preiscrizione obbligatoria nell'apposita sezione della piattaforma [www.e-smart2021.org](http://www.e-smart2021.org)

Lingua: Italiano.



## SMART WEBINAR FAD ECM

### INFORMAZIONI ECM

Il Webinar è stato accreditato ECM presso il Ministero della Salute.

#### PROVIDER:

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317061

#### OBIETTIVO NAZIONALE DI RIFERIMENTO:

2 - Linee guida - protocolli - procedure

#### TIPOLOGIA:

Corsi in diretta su piattaforma multimediale dedicata (aula virtuale, webinar) FAD Sincrona

#### PIATTAFORMA FAD:

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#### DESTINATARI FORMAZIONE:

**Medico Chirurgo**

Discipline: Anestesia e Rianimazione; Medicina e Chirurgia di Accettazione e di Urgenza; Malattie Infettive; Medicina Interna

#### CREDITI ASSEGNATI:

**N. 3 Crediti ECM per l'anno 2021**

## FACULTY

Brazzi L., Torino

De Rosa F.G., Torino

Viaggi B., Firenze

Viale P., Bologna

### REGOLAMENTO

Il Webinar si svolgerà secondo il modello "FAD SINCRONA" e sarà trasmesso in diretta il giorno **18 Maggio dalle ore 17.00 alle ore 19.00** (CEST). Solo per i partecipanti che abbiano garantito la presenza al 90% del tempo totale, il Webinar sarà disponibile nella propria area riservata della piattaforma FAD per 72 ore successive al termine della diretta, termine entro cui i partecipanti potranno rivedere i contenuti che hanno seguito in diretta streaming e dovranno completare il questionario di valutazione dell'apprendimento, indispensabile per poter acquisire i crediti ECM.

Per avere diritto ai crediti formativi ECM è necessario:

- appartenere ad una delle discipline per le quali è stato accreditato l'evento;
- garantire la propria presenza al 90% del tempo totale;
- compilare il questionario di valutazione dell'apprendimento entro massimo 72 ore dal termine del Webinar;
- rispondere correttamente ad almeno il 75% delle domande del questionario.

**ATTENZIONE:** sarà possibile compilare il questionario solo fino alle ore 23.59 del 21 Maggio 2021. Si ricorda che il partecipante ha a disposizione 5 tentativi per superare il test di valutazione dell'apprendimento. Dopo 5 tentativi non sarà più possibile accedere al questionario e conseguire i crediti ECM.

**Termine dell'evento FAD: 21/05/2021**

Dopo tale termine non sarà più possibile accedere al questionario e conseguire i crediti ECM. La generazione dell'Attestato ECM è subordinata al superamento del questionario per la valutazione dell'apprendimento ed alla compilazione della scheda di valutazione dell'evento FAD.

Tutti i contenuti resteranno accessibili on-demand sulla piattaforma [www.e-smart2021.org](http://www.e-smart2021.org) alla sezione Webinar Collection, fino al 21 Marzo 2022 (senza crediti ECM).



## SMART WEBINAR FAD ECM

**TUESDAY MAY 18, 2021**

17.00 - 19.00 CEST

### LE MULTI-RESISTENZE BATTERICHE NEL PAZIENTE CRITICO

CHAIRPERSON: L. Brazzi

- 17.00 **Lo stato dell'arte sul problema della multi-resistenza in area critica**  
F.G. De Rosa
- 17.20 **L'impatto del COVID-19: qualcosa è cambiato?**  
B. Viaggi
- 17.40 **Possibili strategie gestionali: sorveglianza, diagnosi, terapia**  
P. Viale
- 18.00 **Tavola Rotonda con gli Esperti**  
F. G. De Rosa, B. Viaggi, P. Viale
- 18.30 **Discussione**

Con il contributo non condizionante di



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SMART Webinars are scheduled as live events throughout the year, as detailed in the following pages.

After the live Webinar, all contents will be accessible on-demand at [www.e-smart2021.org](http://www.e-smart2021.org), section **Webinar Collection**, until March 21, 2022.

Attendance is free with mandatory pre-registration at [www.e-smart2021.org](http://www.e-smart2021.org), **Smart Webinars** section.

Language: English or Italian, no simultaneous translation.

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*Gli SMART Webinar si svolgono in live streaming nell'arco dell'anno, come dettagliato nelle pagine che seguono.*

*Dopo l'evento live, tutti i contenuti resteranno accessibili on-demand sulla piattaforma [www.e-smart2021.org](http://www.e-smart2021.org), alla sezione **Webinar Collection**, fino al 21 Marzo 2022.*

*La partecipazione è gratuita, con preiscrizione obbligatoria nella sezione **Smart Webinars** della piattaforma [www.e-smart2021.org](http://www.e-smart2021.org)*

*Lingua: Inglese o Italiano, senza traduzione simultanea.*

# SMART WEBINAR

## SMART WEBINARS FACULTY

**Antonelli M.**, Roma (I)  
**Bassi F.**, Udine (I)  
**Bräunlich J.**, Leipzig (D)  
**Caironi P.**, Torino (I)  
**Camporota L.**, London (UK)  
**Chiumello D.**, Milano (I)  
**Colombo D.**, Milano (I)  
**Cortegiani A.**, Palermo (I)  
**Donati A.**, Ancona (I)  
**Foti G.**, Monza (I)  
**Gattinoni L.**, Goettingen (D)  
**Girardis M.**, Modena (I)  
**Grasselli G.**, Milano (I)  
**Grasso S.**, Bari (I)  
**Grieco D.L.**, Roma (I)

**Langer T.**, Milano (I)  
**Lucchini A.**, Monza (I)  
**Maggiore S.M.**, Chieti-Pescara (I)  
**Maino C.**, Monza (I)  
**Matta B.**, Cambridge (UK)  
**Meschiari M.**, Modena (I)  
**Minotti D.**, Monza (I)  
**Montrucchio G.**, Torino (I)  
**Navalesi P.**, Padova (I)  
**Robba C.**, Genova (I)  
**Ronco C.**, Vicenza (I)  
**Russotto V.**, Monza (I)  
**Stazi G.V.**, Roma (I)  
**Van Grunderbeeck N.**, Lens (F)



**TUESDAY MAY 4, 2021**  
17.00 - 18.30 CEST



## IL RUOLO DEI BIOMARCATORI IN AREA CRITICA

CHAIRPERSON: M. Girardis

- 17.00 **Lo stato dell'arte sull'impiego dei biomarcatori: dove siamo, dove vorremmo andare**  
M. Girardis
- 17.20 **Il ruolo della pro-adrenomedullina nel paziente di area critica: dalla teoria alla pratica**  
F. Bassi
- 17.40 **L'impatto del COVID-19: il ruolo dei biomarcatori e di pro-adrenomedullina**  
G. Montrucchio
- 18.00 **Discussione**

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# SMART WEBINAR



**MONDAY MAY 10, 2021**  
17.00 - 18.30 CEST



## LESSONS LEARNED FROM COVID-19: OPTIMIZING MONITORING AND TREATMENT FOR A BETTER OUTCOME

CHAIRPERSON: B. Matta

- 17.00 **Introduction**  
B. Matta
- 17.10 **Initial assessment, triage and remote monitoring  
in COVID-19**  
N. Van Grunderbeeck
- 17.35 **Alternatives to intubation for COVID-19 patients:  
the benefits of HFNO**  
J. Bräunlich
- 17.55 **COVID-19 patients in the ICU:  
optimizing oxygenation and sedation**  
C. Robba
- 18.15 Q&A



# SMART WEBINAR



**THURSDAY MAY 13, 2021**  
17.00 - 18.30 CEST



## GESTIRE LE VIE AEREE NEL PAZIENTE COVID-19

CHAIRPERSON: G. Foti

- 17.00 **Intubazione tracheale nel paziente critico COVID-19.  
Evidenza scientifica**  
V. Russotto
- 17.20 **Il carrello per le vie aeree**  
D. Minotti
- 17.40 **Discussione e wrap up**



# SMART WEBINAR



**WEDNESDAY MAY 19, 2021**  
17.00 - 18.30 CEST



## UPDATE ON CPAP THERAPY WITH HELMET INTERFACE

CHAIRPERSON: G. Grasselli

- 17.00 **Helmet or High Flow Nasal Cannula in hypoxemic patients? Or both?**  
P. Navalesi
- 17.20 **Helmet and prone positioning**  
G. Foti
- 17.40 **Helmet noninvasive ventilation for severe COVID-19 respiratory failure**  
D.L. Grieco
- 18.00 Discussion



# SMART WEBINAR



**THURSDAY MAY 20, 2021**  
17.00 - 18.45 CEST



## ACID-BASE AND ELECTROLYTES

CHAIRPERSON: L. Gattinoni

- 17.00 **Why to assess chloride**  
L. Gattinoni
- 17.15 **Base excess: meaning and use**  
T. Langer
- 17.30 **Alactic base excess: a rapid clinical tool**  
L. Camporota
- 17.45 **When to measure electrolytes in the urine**  
P. Caironi
- 18.00 **The technological evolution in blood gas analysis**  
D. Colombo
- 18.15 Discussion





# SMART WEBINAR

LIVE  
STREAMING

**THURSDAY JUNE 3, 2021**

17.00 - 18.30 CEST



## LE INFEZIONI FUNGINE IN TERAPIA INTENSIVA

CHAIRPERSON: M. Girardis

- 17.00 **Quali infezioni, quali pazienti: i patogeni e i fattori di rischio in area critica**  
G. Montrucchio
- 17.20 **Focus on candidemie e aspergillosi in terapia intensiva**  
A. Cortegiani
- 17.40 **L'impatto del COVID-19: dalla PIPA (Putative Invasive Pulmonary Aspergillosis) alla CAPA (Coronavirus-Associated Pulmonary Aspergillosis)**  
M. Meschiari
- 18.00 **Discussione**

Con il contributo non condizionante di



# SMART WEBINAR

LIVE  
STREAMING

**WEDNESDAY JUNE 9, 2021**

17.00 - 18.30 CEST



## USO DELL'OSSIGENOTERAPIA AD ALTO FLUSSO NEL PAZIENTE CRITICO

CHAIRPERSON: L. Gattinoni

- 17.00 **La cannula nasale ad alto flusso (HFNC) nell'insufficienza respiratoria ipossiémica acuta**  
M. Antonelli
- 17.20 **La cannula nasale ad alto flusso (HFNC) in peri-intubazione e in post estubazione**  
S.M. Maggiore
- 17.40 **Il trattamento del paziente con COVID-19**  
S. Grasso
- 18.00 **Discussione**

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# SMART WEBINAR

LIVE  
STREAMING

**THURSDAY JUNE 10, 2021**  
17.00 - 18.30 CEST



## LA RISCOPERTA DELLA POSTURA PRONA

CHAIRPERSON: G. Foti

- 17.00 **Postura prona: what's old, what's new**  
G. Foti
- 17.20 **Postura prona: trucchi & segreti**  
A. Lucchini
- 17.40 **Come gestire le lesioni da pressione**  
C. Maino
- 18.00 **Discussione**

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# SMART WEBINAR

LIVE  
STREAMING

**WEDNESDAY JUNE 16, 2021**  
16.30 - 17.30 CEST



## IL RUOLO DELLE TERAPIE DI SUPPORTO EXTRACORPOREO NELL'ERA DEL COVID-19: ESPERIENZE CLINICHE E APPROCCIO TERAPEUTICO

CHAIRPERSON: C. Ronco

- 16.30 **Terapia di supporto renale extracorporea:  
l'esperienza dell'IRCCS Lazzaro Spallanzani**  
G.V. Stazi
- 16.55 **Terapie di supporto polmonare extracorporeo:  
l'esperienza dell'AOU Ospedali Riuniti di Ancona**  
A. Donati
- 17.20 **Discussione**

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# SMART WEBINAR

**LIVE**  
STREAMING

**TUESDAY MAY 22, 2021**

17.00 - 18.30 CEST



## ARDS DUE TO COVID-19

CHAIRPERSON: L. Gattinoni

- 17.00 **Is ARDS due to COVID-19 a new entity?**  
L. Gattinoni
- 17.20 **Invasive mechanical ventilation**  
L. Camporota
- 17.40 **Lung imaging: CT and lung ultrasound**  
D. Chiumello
- 18.00 Discussion and wrap-up

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**ALL TIMES STATED IN CEST (Central European Summer Time)**





## General Information

### e-smart 2021

The **e-smart 2021** will be held on an online platform [www.e-smart2021.org](http://www.e-smart2021.org)

Pre-registration is needed to participate.

### Virtual ambience



Participants will be welcomed in the Lobby (see picture above) which is intended to be the crossroads of all the **e-smart 2021** activities. In the Lobby, you can register for the meeting, ask for organizational or technical info through a chat interface, view the Scientific Program and the list of Speakers.

The Webinar area on the left gives access to all Webinars that will be live-streamed as scheduled throughout the year.

During the live meeting, from the Lobby you can access the 2 Live Halls (on the left) for simultaneous live sessions. The On-Demand Area (on the right) includes the Tutorial Hall and the Brick Space, as well as the Webinar Collection where all the past recorded Webinars can be viewed.

### Meeting times

All meeting times are CEST (Central European Summer Time).

### Official languages

#### e-smart 2021

English, no simultaneous translation

#### Bricks

English or Italian, no simultaneous translation

#### Tutorials

English or Italian, no simultaneous translation

#### Webinars

English or Italian, no simultaneous translation

### Minimum system requirements for participating in the virtual meeting

#### Hardware

- PC with audio (PC, Mac, Tablet, Smartphone)
- ADSL/4G Mobile internet connection

#### Software

- Internet Browser, upgrade to the last 2 years. Recommended browser: Google Chrome. Microsoft® Internet Explorer is not supported anymore.

E-mail support: [info@e-smart2021.org](mailto:info@e-smart2021.org)

### Online registration

Online pre-registration is mandatory. Please submit your registration for the **e-smart 2021** at [www.e-smart2021.org](http://www.e-smart2021.org) and/or [www.smartonweb.org](http://www.smartonweb.org). Read the instructions carefully before starting registration.

### Webinars

All SMART Webinars scheduled will be free and not dependent on the **e-smart** registration.

## General Information

### Registration fees

	BEFORE MARCH 29	AFTER MARCH 29
ESICM - SIAARTI - AAROI MEMBERS	€ 50.00	€ 100.00
NON-MEMBERS	€ 100.00	€ 150.00
VETERINARIANS & PHARMACISTS	€ 50.00	€ 100.00
NURSES*	€ 30.00	€ 50.00
RESIDENTS/STUDENTS*	Free entrance, with mandatory pre-registration	

Legal VAT is included.

\* Pre-registration must be submitted online at [www.e-smart2021.org](http://www.e-smart2021.org) and/or [www.smartonweb.org](http://www.smartonweb.org). During the pre-registration procedure, Nurses and Residents/Students will be required to upload a document proving their status.

**REGISTRATION FEES INCLUDE:** attendance of the scientific sessions, attendance certificate, on-demand contents available until **March 21, 2022**. Access to the on-demand scientific contents after the meeting is strictly reserved to pre-registered participants.

**SPONSORS' STAFF REGISTRATION** Each Sponsoring Company will receive no. 2 free name accesses enabling access to the scientific contents of the meeting, with mandatory pre-registration. Additional accesses for staff members can be ordered at € 50.00/each VAT included, with mandatory pre-registration

### 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 Sanpaolo Spa

IBAN: IT21X0306911310000027269163

SWIFT/BIC CODE: BCITITMM

As payment description please enter: e-smart 2021, first & family name of the Registrant.

#### Credit Card (Visa, Mastercard, Maestro, Moneta)

### Invoicing

The invoice will be sent to the address entered during registration at [www.e-smart2021.org](http://www.e-smart2021.org) and/or [www.smartonweb.org](http://www.smartonweb.org). Receipt of the invoice will confirm registration.

### Organizing Secretariat

Start Promotion Srl - Provider ECM 622  
Via Mauro Macchi, 50 - 20124 Milano (Italy)  
Tel. +39 02 67 07 13 83 - Fax +39 02 67 07 22 94  
[info@startpromotion.it](mailto:info@startpromotion.it) - [www.startpromotion.it](http://www.startpromotion.it)  
[info@e-smart2021.org](mailto:info@e-smart2021.org) - [www.e-smart2021.org](http://www.e-smart2021.org)

## General Information

### BEST ABSTRACT AWARD



During the **e-smart 2021**, the best three abstracts presented will be awarded.

All participants who present an abstract at the meeting, 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 notified by email. The names of winners together with abstract titles will be disclosed on **Monday May 24 in the E-Poster Area**.

In order to receive the award, winners are requested to be registered to the **e-smart 2021**.

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

### PRIZES

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

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

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

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

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

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

Participants are invited to submit their scientific papers on anesthesia and/or intensive care topics by completing the online procedure available at **www.e-smart2021.org** (see details below).

Deadline for abstract submission: **April 30, 2021**

Please read the instructions below before submitting your abstract. Abstract submission is possible through the online procedure only. **Abstracts sent by fax or mail will not be accepted.** At least one of the Authors is required to be a registered participant to the **e-smart 2021**.

All abstracts received will be evaluated by the Scientific Board.

**Poster presentations will be held in English. No simultaneous translation will be provided.**

Contacts with the Authors will be by email only. Please verify that your email address has been correctly typewritten during the registration procedure and don't forget to check your email account regularly.

## General Information

### Abstract submission guidelines

Abstracts must be submitted by completing the online procedure available at **www.e-smart2021.org**

You will be directed to the **e-smart 2021** virtual ambience where you will find a dedicated section "Upload Abstract" in the Lobby. Please fill in all required entry fields and upload your file in PDF format (vertical PDF file, see details below).

After a correct submission, a confirmation message will be automatically sent to your email address. Please DON'T try to submit the same abstract more than once. Should you find errors after submission, please refer to the Organizing Secretariat (**info@e-smart2021.org**).

Abstracts must comply with the following guidelines:

**Abstract format:** Vertical PDF file

**Language:** English

**Structure:** Title, Authors, Affiliations, Text

**Title:** Poster title

**Authors:** Indicate Authors in the same order as that selected for print. First initial and complete last name. Please underline the name of the presenting Author (e.g.: M. Smith\*, D.A. Collins<sup>o</sup>, T. Brown\*).

**Affiliations:** Assign each institution a symbol and use the same symbol to identify the Author, as appropriate (e.g.: \* Dept of Critical Care Medicine, University Hospital, Freiburg D; <sup>o</sup>Dept. of Intensive Care, St. John Hospital, London UK).

**Text (first draft):** max 300 words + 1 image or 1 table

**Presentation format:** Poster only

### Guidelines for accepted abstracts

After confirmation of acceptance, Authors will be requested to upload the final version of their posters including all figures and charts (vertical PDF file).

All accepted posters will be made available in the E-Poster Area throughout the **e-smart 2021**.

### Poster publication

All accepted posters will be divided into groups and displayed in the E-Poster Area.

Abstracts (pdf files) will be available online throughout the 5 meeting days in the assigned corners and later on-demand until March 21, 2022.

The corner assigned to each poster will be communicated later.



[www.e-smart2021.org](http://www.e-smart2021.org)

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

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ORGANIZING SECRETARIAT

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