



The Intensive Connection

Minutes SIS section meeting 9th/Dec/2020

1. Welcome

- We met more than one year ago in Lives 2019, so a long time ago.

2. Activities of SIS section

- Master class in January 2020 was successful. 43 participants, excellent post-course evaluation.
- Next e-Masterclass 2021 sepsis and severe infections, together with INF section: 25-26 feb.
- After being postponed, next LIVES Forum, Trinity College, Dublin, 03-05 June 2021. Septic shock: From the bug to organ failure
- Academia (Nathan Nielsen, Academy Section Editor for SIS):
 - a) The SIS section continues to be a strong contributor to the activities of the ESICM Academy. One of the newest ACE Courses of the Academy "Disseminated Intravascular Coagulation" was authored by SIS members Nicole Juffermans and Marcia Muller, and this course is already in the Top 5 most viewed courses in the entire Academy despite only being released this year!
 - b) In the effort to ensure that all Academy material is "state of the art" and properly updated, we would like each significant course to be updated every two years. Of the core SIS-authored courses, the ACE course most in need of updating is the Sepsis and Septic Shock ACE Course. Volunteers interested in writing/updating this course should contact the SIS Section Editor for the Academy, Nathan Nielsen at nathan.nielsen@gmail.com
 - c) Suggestions and ideas for new Academy courses are always welcome! For example, the very popular DIC course came out of a suggestion at last year's Congress. If you have ideas for courses you would like to see added to the Academy, please contact Nathan Nielsen (nathan.nielsen@gmail.com).
- SSC Guidelines: Laura Evans reported at SCC meeting that the adult SSC guidelines are progressing. A bit behind schedule due to COVID pandemic. All the sections are complete. Current task is assembling the full document into one tone. Feedback from the panel in 10 days. Sponsoring societies have been notified of impending manuscript completion and their role in review. Projecting 30 - 45 days or so to get reviews completed and journal submission.
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There was an observation that in the SSC COVID guidelines there is no mention of COVID-19 is linked to sepsis













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- 3. Congress Committee:** Several Ideas for Lives 2021 has been discussed
- targetting complement system in sepsis? there is now a study ongoing with complement inhibition in covid.
 - -talk on sepsis-induced encefalopathy, how does this occur and do antipsychotic therapies help?
 - Covid and sepsis: Long term sequela
 - SIS and Covid: characterize/monitor inflammation
 - Update in albumin in sepsis
 - Covid: ethical issues
 - Sub phenotypes of sepsis and therapeutic strategies based on these phenotypes.
 - Endothelial permability in covid sepsis: target imatinib trial
 - Thrombosis en sepsis

Any other suggestion, please ontact Ricard Ferrer: r.ferrer@vhebron.net

4. Research Committee: Report by Marc Leone

2020 RESEARCH AWARDS:

Award	Project Title	Name		Country where the project will be initiated
Basic Research Award	Prehabilitation attenuates muscle failure by preserving Mitochondrial Function in Critically Ill Patients	Julius Grunow		Germany
Basic Research Award	Novel Diagnostic Markers for Intestinal Complications in Critically Ill Patients	Konstantin Krychiuk		Austria
Pr Burkhard Lachmann Award for Experimental Research	Extended application of cardio-respiratory interactions for optimizing hemodynamic and respiratory management. Experimental studies. (Experimental Opti-CaRe)	Arnoldo Santos Oviedo		Spain
Clinical Research Award	Machine learning to predict safely stopping antibiotics in the intensive care unit	Lucas Fleuren		The Netherlands
Clinical Research Award	Prone position in patients with de novo acute hypOxemic respiratory failure under nasal high Flow oxygen therapy (PRONELIFE)	Luis Morales		Spain
Established Investigator Award	Cholesterol therapy for sepsis (ChoRxuS)	Mervyn Singer		UK
Levi-Montalcini Biomedical Sciences Award	Optimal combination between extracorporeal and respiratory support in ARDS patients undergoing ECMO: a physiological study – BALANCE study	Elena Spinelli		Italy
Young Investigator Award	Predicting quality of life after ICU - an artificial intelligence approach (QoL - AI)	Martin Faltsys		Switzerland
Family partnership Award	Understanding the family and caregiver experience of COVID-19: a qualitative evaluation	Joanne McPeake		UK
Global ICU Award	Needs assessment for physicians working in intensive care units in Addis Ababa, Ethiopia	Sissi Cao		Ethiopia
NEXT start-up grant Award	Skin and soft tissue necrotizing INfections in the Intensive Care Unit: a prospective multi-national cohort study - SKIN-ICU	Nicolas De Prost		France

ESICM RESEARCH PROJECTS – ongoing:

- TRAIN: TRansfusion strategies in Acute brain INjured patients; 581 patients included
- EUROACT2: Epidemiology and Determinants of Outcomes of Hospitals Acquired Blood Stream Infections in the Intensive Care Ongoing - >2001 pts included (update Oct 2020). Pt inclusion to be stopped on 31 Jan. 2021
- VITDALIZE: Effect of high-dose vitamin D3 on 28-day mortality in adult critically ill patients with severe vitamin D deficiency. Enrolling is ongoing



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- ICU-Conservative O2: Ongoing
- SANDMAN: Sedation, Analgesia and Delirium MANAGEMENT. Registration closed – pt inclusion in the eCRF delayed due to COVID19
- COBALIDATION: A multicentre cluster randomised trial of 14 ICU Departments from 14 academic referral hospitals located in Spain. Project is nearing completion

SURVEY and PROJECT ENDORSEMENT:

- Recently endorsed surveys
 - PPE-SAFE (A. Tabah) - published
 - SURCOVID (E. Azoulay) - published
 - COBATRICE (I. Martin Loeches)
 - POC-ECHO (I Jammer)
 - COVISIT (A. Tabah)
- Recently endorsed projects
 - VENTIBRAIN (C. Robba)
 - Toxic-Europe (C. Hunault/D. De Lange)
 - COVIP (D. De Lange)
 - ProneLife (L. Morales)

EU Funding project applications :

- CICERO - Critical Illness Care for vERY Old Patients (Funding application to COST ongoing)
- D²ICE - Digital Diagnostics for the Intensive Care Environment (Funding application not successful)
- SUNSHINE - European Sepsis Academy grant initiative (Funding application not successful)

Systematic Review Group:

- Ongoing projects
 - Hypophosphatemia (MEN) – finalized and published (Clin Nutrition)
 - PEEP-induced lung recruitment in ARDS patients – finalized and published (ICM)
 - MAP and AKI (AKI) – ongoing
 - Palliative care interventions (ETH) – ongoing
- Support for
 - Transfusion guidelines
 - HFNC guidelines
 - Live SRG library through ESICM Academy

Please contact Marc Leone if you have interest in being involved or you have proposals for the Research Committee.



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5. Discussion:

- election of new chairman Lives 2021: Volunteers?

6. Closing:

- Next meeting: Probably next meeting in Brussels office in March?
- **Attendees:** Marc Leone, Konrad Reinhart, Benjamin Chousterman, Mervyn, Herwin Gerlach, Jordi Masip, Roman Zahorec, Eva Gomez, Barbara Tamowicz, Frank Bloos, Ramakanth Pata, Antonella Cudia, Sirisha Vanapalli, Stefania Bianzina, Rafael Zaragoza, Ricardo Rosenfeld, Nicole Juffermans, Nathan Nielsen and Ricard Ferrer.
- Chairman: Ricard Ferrer
- Deputy: Marce Leone