

## Minutes of the NIC section meeting, Lives Paris October 2022.

- Geert Meyfroidt (outgoing chair) presents to the section the program of Lives 2022, with description of the sessions dedicated to the NIC. He highlights the fact that the number of sessions at the Congress depends on the number of voting members of each section. In addition to those sessions, the congress committee promotes collaborative or 'joined' sessions with other sections, and NIC was quite successful in co-organising several of these sessions (with TEM, FREM, CD, BS, ...). Other activities of the section have been the recent congress on Trauma in Athens, in June, and a recent online webinar on "Coma of unknown origin" in March 2022
- Chiara Robba (incoming chair) presents the NIC representatives of the research, social media, educational, clinical and social network committees, who provide specific updates on their activities.  
In particular:
  - A better description of the section and its research projects has been implemented, with relevant articles review.
  - New courses have been implemented involving the section, in particular the Genius course, an "head to toes " course on Ultrasonography
  - Further ACE courses have been completed and now have been proposed. If you are interested in participating in this, please contact [carmen.lopezsoto@nhs.net](mailto:carmen.lopezsoto@nhs.net)
- GM and CR present the ongoing research within the NIC section

### Surveys

#### **Recently published surveys:**

- Ventilo survey, on mechanical ventilation in brain injured patients
- Strike, on management of stroke patients admitted to the ICU
- Hemobrain, on hemodynamic management of brain injured patients

#### **Ongoing surveys:**

- Sedation in neurocritical care

#### **New proposals:**

- Clinical response to intracranial pressure predictions at the bedside, from GM.

### Consensus and clinical recommendations

#### **Recently published :**

- Mechanical ventilation in brain injured patients

#### **Ongoing:**

- Temperature management in neurocritical care patients

#### **New proposals:**

- Hemodynamic management of brain injured patients
- Application of non-invasive ICP methods in low-income countries

### **Retrospective studies**

- Multicenter retrospective data collection, exploring the treatment used in case of refractory vasospasm. Status: center recruitment, if interested please contact [kiarobba@gmail.com](mailto:kiarobba@gmail.com)
- Multicenter retrospective data collection, exploring the tier three therapies used in case of refractory intracranial hypertension. Status: center recruitment, if interested please contact [kiarobba@gmail.com](mailto:kiarobba@gmail.com)

### **Ongoing prospective observational studies**

- ENIO study: just published on ICM. Ongoing sub-studies. Prof Cinotti
- SYNAPSE- ICU study: published in 2021, ongoing sub-studies. Prof Citerio
- SANDMAN: Sedation and analgesia in neurocritically ill patients. Prof S Mehta and Dr Lara Prisco.
- Eureka study: epidemiology and outcomes of patients admitted to the ICU with all-cause meningo-encephalitis. Prof Romain Sonnevile. Manuscript submitted for publication.
- Ventibrain: mechanical ventilation practice in acute brain injured patients. Prof Chiara Robba. Recruitment ongoing

### **Ongoing prospective randomized clinical trials (RCTs)**

- Train: randomized controlled trial on Hb targets. Prof Fabio Taccone. Recruitment ongoing
- BIKe: randomized controlled trial on safety and efficacy of ketamine in brain injured patients. Prof Geert Meyfroidt. Recruitment ongoing.

### **New proposals:**

- Compose study: Observational study to establish the natural history of recovery from coma. Prof Helbok
- Observational study on neuromonitoring during ECMO. Prof Sonnevile
- LIMIT-TBI study. Randomized controlled trial on fluid balance in acute brain injured patients. Prof Mathieu Van der Jagt. To be worked out.
- Slavika Kvolik: survey on brain-gut crosstalk in acute brain injury – to be worked out

**Finally, GM and CR announce a hybrid ESICM Master Class on Neurointensive Care (5-7 September 2023)**