

Minutes of the NIC section meeting, Brussels, March 21st, 2024.

- Chiara Robba (Chair) presents to the section the program of Lives 2024, in Barcelona, with the description of the sessions dedicated to the NIC. She highlights the fact that the number of sessions at the Congress depends on the number of voting members of each section, for a total of 4 sessions dedicated to NIC. In addition to those sessions, the congress committee promotes collaborative or 'joined' sessions with other sections, and NIC was quite successful in co-organizing several of these sessions (with TEM, FREM, CD, BS, ...).
- Other recent activities of the section include the Webinar on "Cerebral oxygenation" and two podcasts on Neuro-prognostication and Brain Ultrasonography.
- The NIC representatives of the research, social media, educational, clinical and social network committees, provide specific updates on their activities.
In particular:
 - A better description of the section and its research projects has been implemented, with a review of relevant articles.
 - New courses have been implemented involving the section, in particular the Genius course, a "head to toe" course on Ultrasonography, which is becoming a pathway for certification
 - The online course "Mastering the brain", scheduled every 2 years
 - The proposal for the creation of a specific pathway for Neuro-intensive Care within the Educational activities of the Societies
 - 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
- Romain Sonnevile (Chair-Elect) presents the ongoing research within the NIC section

Surveys

Recently published surveys:

- Ventilo survey, on mechanical ventilation in brain-injured patients
- Strike, on the 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 published on ICM

Ongoing:

- Temperature management in TBI patients (submitted)
- Hemodynamic management of brain-injured patients (systematic review ongoing)

- Application of non-invasive ICP methods in low-income countries (finalising of the manuscript)

Retrospective studies

- Multicenter retrospective data collection, exploring the treatment used in case of refractory vasospasm. Status: data analysis
- Multicenter retrospective data collection, exploring the tier three therapies used in the case of refractory intracranial hypertension. Status: data analysis

Ongoing prospective observational studies

- ENIO study: published on ICM. Ongoing sub-studies. Prof Cinotti
- SANDMAN: Sedation and analgesia in neuro-critically ill patients. Prof S Mehta and Dr Lara Prisco.
- Ventibrain: mechanical ventilation practice in acute brain-injured patients. Prof Chiara Robba. Recruitment is closed and data analysis ongoing

Ongoing prospective randomised clinical trials (RCTs)

- Train: a randomized controlled trial on Hb targets. Prof Fabio Taccone. Concluded
- BIKe: a randomized controlled trial on the safety and efficacy of ketamine in brain-injured patients, led by Prof Geert Meyfroidt. Recruitment is ongoing.

New proposals discussed:

- Compose study: Observational study to establish the natural history of recovery from coma. Prof Helbok
- LIMIT-TBI study. A randomized controlled trial on fluid balance in acute brain injured patients. Prof Mathieu Van der Jagt. Feasibility study submitted to the Ethical committee
- Survey: Current Acute Brain Injury Monitoring Practices within Intensive Care, Dr Richard Cashmore, Cambridge
- A randomised placebo-controlled double-blind exploratory trial within a cohort using wheat beer for the prevention of delirium in intensive care patients: the BABE-D (Basel Beer for Prevention of Delirium) clinical trial. If interested in participating, contact: alexa.hollinger@usb.ch
- Coma prevalence in LATAM Single Day Cross-Sectional Study, Andrés Giglio Jiménez