

The use of mechanical ventilation strategies
and its potential adverse events among ICU
patients with COVID-19 – a national-wide
retrospective observational study

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Background

- Limited evidence in COVID-19 patients
- Surviving Sepsis Campaign COVID-19 panel suggested that mechanically ventilated patients with COVID-19 should be managed similarly to other patients with acute respiratory failure in the ICU

Aim

- To describe the use of the core strategies for mechanical ventilation i.e. the use of lung protective ventilation, prone position, pulmonary vasodilators and spontaneous breathing in all ventilated COVID-19 patients in Denmark

Participants

- All 29 ICUs in Denmark that received patients with Covid-19 have contributed to this study
- Daily data on ventilator settings, use of adjuvants, pneumothorax, use of prone position, tracheostomy was registered for all patients.

Current status

- Data from a total of 1193 patients have been included.
- Data includes the first and the second wave of Covid -19 from 10th of March 2020 until 2nd of April 2021

Tak til

- Respiratorgruppen
- Nikolai Arnold-Larsen, Bodil Steen Rasmussen, George Michagin, Ricardo Sanchez Garcia, Lars Peter Kloster Andersen, Hanna Siegel, Jens Ulrik Jensen, Christian Hagdrup, Bo Westergaard, Aage Christiansen, Frederik Mølgaard Nielsen, Jacob Hjelmberg, Nicolai Rosenkrantz Segelcke Haase , Anders Perner

Tak til

- Alle fra de 29 intensiv afdelinger der hjulpet til med at taste
-vi ved det har været et kæmpe arbejde.