



UK NAVA: INCLUSION CRITERIA

- Age 18 years or over
- Receiving IMV
- Expected to stay on IMV for ≥ 48 hrs
- Any clinical risk factor for difficult or prolonged weaning from invasive ventilation

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UK NAVA: EXCLUSION CRITERIA

- Death or treatment withdrawal imminent within 48 hours
- Contraindication to nasogastric or orogastric tube insertion, such as upper airway or oesophageal trauma, bleeding or risk of bleeding due to recent surgery (e.g., oesophageal surgery), oesophageal varices and/or portal hypertension, and skull base fracture
- A temporary or permanent cardiac pacemaker (potential impact on the EDi signal)
- Phrenic nerve injury, Myasthenia Gravis or Guillain Barre Syndrome (potential impact on the EDi signal)
- Severe central neurologic disorder causing elevated intracranial pressure, impaired control of breathing, or requiring neuroprotective ventilation (e.g. severe traumatic brain injury, refractory status epilepticus)
- Known or suspected, severe or progressive neuromuscular disorder likely to result in prolonged or chronic ventilator dependence (e.g., Motor Neuron Disease, Duchenne Muscular Dystrophy, Amyotrophic Lateral Sclerosis, Multiple Sclerosis, spinal cord injury above C6, Kyphoscoliosis, or other restrictive disorder).
- Severe, end-stage, irreversible respiratory or cardiac disease with referral to a long-term weaning unit for likely chronic ventilator dependence, or referral to palliative care (e.g. severe irreversible pulmonary fibrosis or interstitial lung disease)
- Home ventilation prior to ICU admission, excluding nocturnal CPAP
- Previous participation in the UK NAVA trial