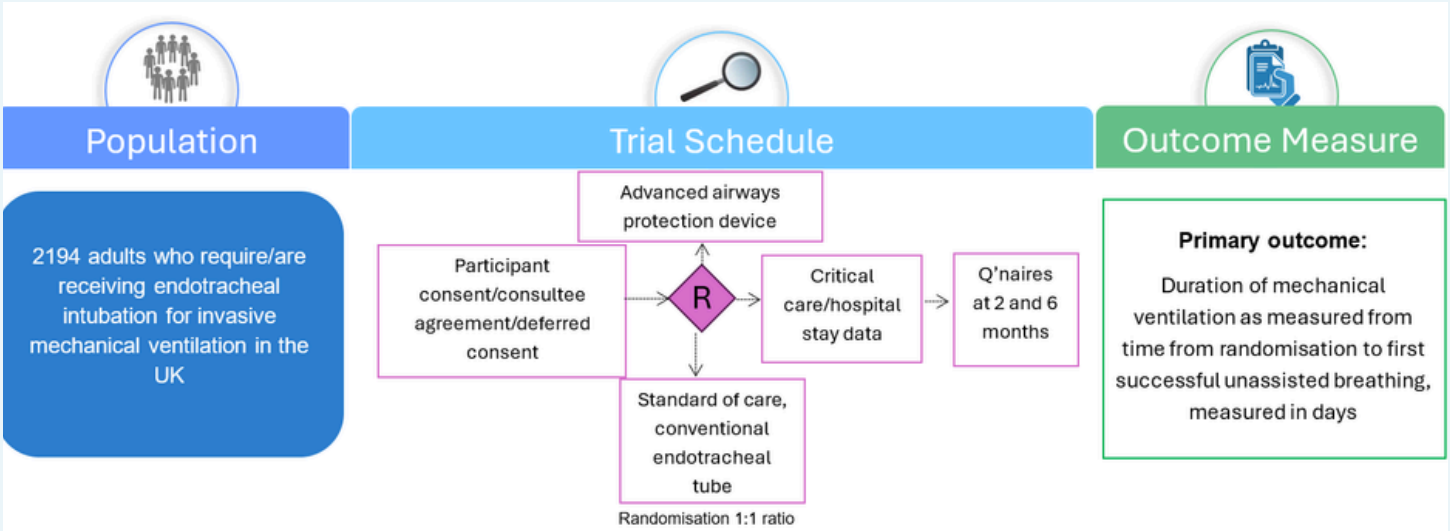
PROTECT Airways

Trial Overview

The clinical and cost effectiveness of advanced airways protection device (Venner PneuX™) versus conventional endotracheal tubes in intensive care unit patients requiring mechanical ventilation: a multi-centre, pragmatic randomised clinical trial

EXPECTING TO START RECRUITMENT IN JANUARY 2025- GET IN TOUCH TO EXPRESS INTEREST IN PARTICIPATION

Trial Design



Setting

-Emergency departments
-Critical care units
-Acute wards
-Operating theatres

Eligibility Criteria

Inclusion Criteria

1. Adult (age ≥18 years)
2. Need for invasive mechanical ventilation
3. Likely to remain ventilated for at least 24 hours post randomisation.

Exclusion Criteria

1. Intubated for more than 24 hours prior to randomisation
2. Treatment withdrawal anticipated within next 24 hours post randomisation
3. Presence of tracheostomy at screening

Patients who need intubating, or who have been intubated within the last 24 hours, at the time of eligibility assessment are eligible for the trial. If randomised to the intervention arm, this may necessitate a tube change. The tube change should occur within 24 hours of the patient initially being intubated.

V3.0, 22/10/2024

Intervention

Venner PneuX™ Endotracheal Tube (ETT)

- Silicone, flexible airway tube
- Low-volume, low-pressure cuff
- No folds or creases within the cuff wall, prevents fluids and leakages past the cuff.
- Multiple Subglottic Secretion Drainage (SSD) portsx 3 permits irrigation and drainage above the cuff.
- 14 mm grooves (Venner PneuX™ ETT), an enhanced feature to optimize securement

Venner PneuX TSM™ Cuff Pressure Controller

- Designed for monitoring, maintenance and regulation of the pressure within the cuffs of Venner PneuX™ ETT
- Maintains a constant cuff/tracheal wall seal pressure of 30 cmH2O, thus preventing aspiration and minimising damage to the airway.
- Detects leaks, blockages and malposition, within the system.

The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust have used Venner PneuX™ for more than 10 years

Devices will be supplied free of charge and full training provided

Scan to access videos

Comparator Standard of care endotracheal tube

Participant Consent | **Consultee Agreement** | **Deferred Consent**

For more information scan the QR code

Email us on Protectairways@warwick.ac.uk

PROTECT Airways is part of the Confederation of Respiratory Critical Care Trials (CoReCCT) which brings together 4 clinical trials along the NHS pathway for patients with acute respiratory failure. The other trials are investigating prone positioning to prevent intubation and different ventilation modes to reduce duration of ventilation.

For more information: https://warwick.ac.uk/fac/sci/med/research/ctu/trials/corecct/

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