

Endotracheal Tube (ETT) Cuff Pressure Monitoring And Regulation – a comparison between conventional, intermittent monitoring method using a handheld manometer and continuous ETT cuff pressure monitoring method using the Tracoe Smart Cuff Manager in an adult Intensive Care Unit setting

ACTRN12616000817448

Status RECRUITING
Sponsor University Malaya Medical Centre
Enrollment 68 participants

Plain Language Summary

This study is comparing two methods of monitoring the air pressure in the cuff (small inflatable balloon) of a breathing tube used in patients on a ventilator in intensive care. One method checks the pressure intermittently using a handheld device. The other uses a device called the Tracoe Smart Cuff Manager that monitors and adjusts the pressure continuously and automatically. Keeping the cuff pressure in the right range prevents both airway injury and risk of infection.

You may be eligible if:

- You are 18 years or older
- You are in the intensive care unit and have a breathing tube (endotracheal tube or tracheostomy tube)

You may NOT be eligible if:

- You have an upper airway problem or abnormality
- You have chronic lung disease or a restrictive lung condition
- There is reason to believe you may have inhaled food or fluids during intubation
- You have been on a ventilator in a general ward for more than 24 hours before ICU admission

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (1)

- All adult ICU patients above 18 years old who are intubated with an orotracheal tube or tracheostomy tube.

Exclusion (4)

- Patients with upper airway pathology
- Patients with underlying chronic lung disease or restrictive lung disease
- Patients who may have aspirated during intubation (e.g difficult intubation, food particles in oral cavity during intubation)
- Patient who are ventilated in the general ward or who have been ventilated in the general ward for more than 24 hours prior to ICU admission.

Locations (1 total)

— Kuala Lumpur, Malaysia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12616000817448>

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