

NIVOAD Study: Non Invasive Ventilation in Obstructive Airways Diseases Study

ACTRN12605000037606

Status RECRUITING
Sponsor Dr Anthony Cross
Enrollment 192 participants

Plain Language Summary

This study compares two types of breathing support masks (non-invasive ventilation, or NIV) used in the emergency department for people having a moderate to severe asthma or COPD attack. Both masks help push air into the lungs without needing a breathing tube. The study aims to find out which approach works best.

You may be eligible if:

- You are 18 years of age or older
- You are being treated in an emergency department for a moderate to severe flare-up of asthma or COPD (chronic obstructive pulmonary disease)
- Your breathing is laboured (rapid breathing, low oxygen levels, or difficulty speaking in full sentences)
- Your doctor has decided that non-invasive ventilation is needed

You may NOT be eligible if:

- You are too drowsy or confused to cooperate or protect your own airway
- Your breathing failure is caused by something other than asthma or COPD
- You have an untreated collapsed lung (pneumothorax)
- You need a breathing tube placed in your throat
- Your medical team has decided to withhold or withdraw treatment

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

Key Eligibility Criteria

Inclusion (1)

- All patients presenting to participating EDs with moderate to severe exacerbations of obstructive airways disease and judged by the clinical staff as requiring NIV. Criteria for this judgement include RR >23, SaO₂ <90% on room air or <93% on 15 lpm via Hudson mask or an inability to speak in sentences.

Exclusion (1)

- Obtundation (to the point of being unable to cooperate or protect the airway), primary cause of respiratory failure other than asthma or COAD, untreated pneumothorax, endotracheal intubation and a decision to withhold or withdraw treatment made by the clinician in consultation with the patient or next of kin.

Locations (1 total)

Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12605000037606>

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