

THE EFFECTS OF NUTRITIONAL SUPPORT OF CRITICALLY ILL PATIENTS REQUIRING MECHANICAL VENTILATION AS ASSESSED BY V/Q RATIO

ACTRN12605000571673

Status	RECRUITING
Sponsor	Intensive Care Unit, RMH
Enrollment	30 participants

Plain Language Summary

This study is looking at how tube feeding affects the lungs of critically ill patients on breathing machines (mechanical ventilators) in intensive care. Specifically, researchers are measuring the ratio of air to blood flow in the lungs (V/Q ratio) to see whether the type or amount of tube feeding affects how well the lungs work. This could help improve nutritional care for ICU patients.

You may be eligible if:

- You are 18 years or older
- You have been admitted to ICU with acute respiratory failure and need a breathing machine for more than 48 hours
- You are receiving or about to start tube feeding through the stomach or small bowel
- You or your next-of-kin have given consent to participate

You may NOT be eligible if:

- You have diabetes, kidney failure, or liver failure
- You are receiving nutrition through a vein (total parenteral nutrition)
- You are not expected to survive more than 24 hours, or are not receiving active medical treatment
- You are under 18 years old
- You have a condition that prevents tube feeding
- You are already enrolled in another study that might affect the results

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

Key Eligibility Criteria

Inclusion (1)

- Adult patients admitted with acute respiratory failure ($\text{PaO}_2/\text{FiO}_2 < 300$), needing mechanical ventilation and who are expected to require mechanical ventilation for more than 48 hours.2. Patients who are to receive enteral feeding via a gastric or post-pyloric feeding tube.3. Patients or next-of-kin who consent to participate in the study.

Exclusion (1)

- Patients under the age of 18 years.2. Patients with a contra-indication to enteral feeding.3. Patients receiving total parenteral nutrition.4. Patients who are not receiving active medical management or who are expected to die within 24 hours at the time of study entry.5. Patients with diabetes mellitus, renal failure or liver failure. 6. Patients who are already enrolled in another study that may influence the outcome of this study.7. Patients or next-of-kin who do not consent to participate in the study.

Locations (1 total)

Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12605000571673>

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