

# High-flow nasal oxygenation in sedated lung transplant patients during transbronchial biopsy

ACTRN12619000292178

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Status	RECRUITING
Sponsor	Dr Charles Cartwright
Enrollment	80 participants

## Plain Language Summary

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Lung transplant recipients require regular bronchoscopy procedures — where a flexible camera is passed through the airways — to check for complications such as rejection or infection. These procedures are typically performed under sedation, and patients sometimes experience drops in their oxygen levels (called desaturations) during the procedure. Standard care uses low-flow oxygen delivered through nasal prongs, but this may not always keep oxygen levels high enough.

High-flow nasal cannula (HFNC) therapy delivers warm, humidified oxygen at much higher flow rates and has been shown to improve oxygenation in various other clinical situations. This trial is testing whether using HFNC during bronchoscopy procedures in lung transplant patients reduces the frequency and duration of oxygen desaturations and the need for additional airway interventions.

You may be eligible if you are 18 or older, have received a lung transplant, are scheduled for a transbronchial biopsy procedure at the study site, and are able to communicate in English. People with active respiratory or cardiovascular failure, recent pneumothorax, significant nasal problems that would prevent nasal oxygen delivery, or those who require general anaesthesia with a breathing tube for the procedure would not be eligible.

## Key Eligibility Criteria

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### Inclusion (4)

- Aged  $\geq 18$  years old
- Lung transplant patients
- Undergoing transbronchial biopsy
- English speaking and able to provide informed consent

### Exclusion (12)

- Aged  $< 18$  years old
- Non-lung transplant patients
- Participants not having transbronchial biopsies conducted
- Non-English speaking and unable to provide informed consent
- Pre-procedure: respiratory failure/cardiovascular failure/recent pneumothorax ( $< 2$  weeks)
- ... and 7 more (see full listing online)

## Locations (1 total)

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St Vincent's Hospital (Darlinghurst) - Darlinghurst, NSW, Australia

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<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12619000292178>

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