

# Oxygen therapy and myocardial ischaemia during exercise testing

ACTRN12607000202460

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Status	RECRUITING
Phase	Phase 4
Sponsor	Dr Mark Simmonds
Enrollment	20 participants

## Plain Language Summary

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This study is for people with coronary artery disease (reduced blood flow to the heart) who experience chest pain during exercise testing (called an exercise treadmill test, or ETT). Standard practice routinely gives these patients high-flow oxygen, but this may not always be helpful — and it may even reduce blood flow to the heart in some cases. This study uses a careful crossover design to test the effect of high-flow versus controlled oxygen on the heart during exercise.

You may be eligible if:

- You are 18 years of age or older
- You have been shown to have inducible heart ischaemia (reduced blood flow to the heart) with chest pain during an exercise treadmill test

You may NOT be eligible if:

- Your resting heart tracing (ECG) is abnormal
- You have unstable angina (chest pain at rest, daily)
- You have congestive heart failure
- You have severe high blood pressure (systolic above 200 mmHg)
- You have COPD or another lung condition with low oxygen levels at rest
- You have a contraindication to aspirin, metoprolol, or simvastatin

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

## Key Eligibility Criteria

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### Inclusion (1)

- Inducible ischaemia on ETT with chest pain.

### Exclusion (1)

- Abnormal resting electrocardiogram (ECG)ST-elevation during the ETTGlobal ischaemia during the ETT suggesting a possible left main stem lesionArrhythmia during the ETTUnstable angina (daily episodes at rest)Left bundle branch block developing during the ETTCongestive heart failureSevere hypertension (systolic >200mmHg)Chronic obstructive respiratory disease or other respiratory disease with oxygen saturations measured at <92% on room airPatients who do not develop chest pain despite evidence of inducible ischaemiaUnstable gaitPatients with contraindication to aspirin, metoprolol or simvastatin.

## Locations (1 total)

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New Zealand

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<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12607000202460>

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