

Maternal OXYgen Immediately before birth: The MOXIE feasibility study

ACTRN12623001037695

Status	RECRUITING
Sponsor	Douglas Blank
Enrollment	45 participants

Plain Language Summary

Premature and near-term babies can sometimes need extra support with breathing and oxygen levels in the minutes immediately after birth — a critical window when medical teams need to act quickly. This feasibility study, called MOXIE, is exploring whether giving the mother extra oxygen through a high-flow nasal cannula just before delivery can improve the baby's oxygen levels at birth and reduce the need for resuscitation.

This is a small feasibility study, meaning its primary goal is to test whether the approach is safe and practical to use during both caesarean sections and vaginal births before a larger trial is designed. Researchers will track how well mothers tolerate the oxygen delivery method and observe the oxygen levels of newborns in the minutes after birth.

You may be eligible if you are pregnant and due to give birth between 32 and 41 weeks and 6 days of pregnancy. Women with certain nasal or sinus conditions, severe COPD exacerbation, or whose baby has specific congenital heart conditions are not eligible. The study is led by Dr Douglas Blank.

Key Eligibility Criteria

Inclusion (1)

- Expecting women between 32 weeks and 0 days to 41 weeks and 6 days gestational age giving birth

Exclusion (5)

- History of severe maternal epistaxis
- History of major nasal/sinus surgery or pathology
- Concurrent maternal chronic obstructive pulmonary disease (COPD) exacerbation
- Fetus with congenital abnormality that would alter the expected SpO2 targets in the minutes after birth; ie antenatal diagnosis of ductal dependant cardiac lesions, congenital diaphragmatic hernia, etc.
- Monochorionic twins with evidence of twin-to-twin transfusion syndrome or multiples of more than 2.

Locations (1 total)

Monash Medical Centre - Clayton campus - Clayton, VIC, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12623001037695>

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