

Baby-Breathing with non-Invasive Respiratory support During De-ferred umbilical cord clamping (A feasibility study).

ACTRN12625000790448

Status RECRUITING
Sponsor Dr. Doug Blank, Monash Health, Monash University, VIC
Enrollment 40 participants

Plain Language Summary

Very premature babies — born before 32 weeks — face significant challenges in the moments immediately after birth as they transition from relying on the placenta to breathing air on their own. Delaying the cutting of the umbilical cord (called deferred cord clamping) after birth allows blood to continue flowing from the placenta to the baby, which has been shown to improve outcomes. But most resuscitation and breathing support currently has to be given after the cord is cut.

This feasibility study is testing whether it is possible to provide nasal breathing support (CPAP or gentle non-invasive ventilation) to very preterm babies while the umbilical cord is still attached — potentially allowing a longer period of cord clamping and a smoother transition to independent breathing. The study is recruiting 40 premature babies born between 24 and 31 weeks at Monash Medical Centre.

Your baby may be eligible if they are born between 24 and 31 weeks gestation at Monash Medical Centre. Babies with known major heart or lung abnormalities or those receiving comfort care only would not be eligible.

Key Eligibility Criteria

Inclusion (1)

- Babies born between 24+0 and 31+6 weeks' gestation born at Monash Medical Centre (MMC) Clayton.

Exclusion (2)

- Neonates will be excluded if they have a known congenital abnormality that significantly affects the cardiorespiratory system, i.e. congenital diaphragmatic hernia or cyanotic congenital heart defect.
- Neonates that are planned to receive comfort care only, i.e. not to receive resuscitation or initiation of intensive care, will be excluded.

Locations (1 total)

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

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12625000790448>

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