

Comparison of two methods of continuous positive airway pressure (CPAP) to support successful extubation of infants of birth weights less than or equal to 1500 grams (C2CPAP)

ACTRN12605000400662

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| Status | RECRUITING |
| Phase | Phase 2 |
| Sponsor | Sunnybrook and Women's College Health Sciences Centre |
| Enrollment | 76 participants |

Plain Language Summary

This study is comparing two types of breathing support — called Bubble CPAP and Infant Flow System CPAP — used to help premature babies breathe after coming off a ventilator (breathing machine). CPAP (Continuous Positive Airway Pressure) delivers a steady stream of air to keep the tiny airways open. Researchers want to find out which type of CPAP is more effective at preventing premature babies from needing to go back on the ventilator.

You may be eligible if:

- Your baby was born weighing 1500 grams or less
- Your baby is currently on a ventilator and the medical team has decided it is time to try removing it
- You (as the parent or guardian) have given written consent

You may NOT be eligible if:

- Your baby has a known abnormality of the airway
- Your baby has had a severe brain bleed or white matter injury (grade III or IV IVH or periventricular leukomalacia)
- Your baby has a known or suspected genetic syndrome

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

Key Eligibility Criteria

Inclusion (1)

-) Intubated infant 2) less than or equal to 1500 grams at birth 3) Decision to extubate to CPAP made by the clinical team 4) Written informed consent obtained.

Exclusion (1)

- Neonates who: 1) Have known airway anomalies 2) Have grade III or IV or periventricular leukomalacia 3) Have known or suspected genetic syndromes.

Locations (1 total)

Canada

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12605000400662>

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