Assessing the use of the Juno Monitor on mask leak during Neonatal Resuscitation Training

ACTRN12625001100482

Status	RECRUITING
Sponsor	Perth Children's Hospital
Enrollment	60 participants

Plain Language Summary

When a newborn baby needs help breathing at birth, the most critical skill is making sure the face mask used during resuscitation creates a proper seal so air can enter the lungs. Even small leaks can mean the baby does not get enough oxygen. This study is testing whether a real-time feedback device called the Juno Monitor — which shows practitioners exactly how much air is leaking, how fast they are breathing for the baby, and how much air is being delivered — can help non-specialist healthcare workers learn better mask technique.

Healthcare professionals attending a neonatal stabilisation training course will be randomly assigned to practise on a newborn mannequin either with or without the Juno Monitor providing live feedback. Afterwards, everyone will complete a short simulation with the monitor hidden, so researchers can measure skill levels fairly.

You may be eligible if you are a healthcare professional (but not a specialist neonatologist) attending a NeoStars neonatal stabilisation and resuscitation course and are willing to give consent to participate.

Key Eligibility Criteria

Inclusion (2)

- i. Healthcare professional participating in a NeoStars stabilisation and resuscitation course
- ii. Signed informed consent from participant.

Exclusion (2)

- i. RACP recognised neonatologist.
- ii. Refusal of consent

Locations (1 total)

Perth Children's Hospital - Nedlands, WA, Australia