

Continued Pressure for Alveolar Protection (CPAP Trial)

Status: RECRUITING

Eligibility Criteria

Sex: ALL

Age: Up to 7 month(s) old

Healthy Volunteers: This study is NOT accepting healthy volunteers

Inclusion Criteria:

- Gestational age <29 weeks at birth
- PMA <32 weeks at study entry
- On treatment with CPAP without a rate in FiO₂ <0.25 and PEEP of 4-5 cmH₂O
- Meet stability criteria:
- If previously intubated must be extubated ≥ 72 hours
- <3 self-resolving apneas (≤ 20 s) and/or bradycardia (<100 bpm) in any hour over previous 6 hours
- No episodes of apnea or bradycardia requiring intervention (oxygen/stimulation/bag and mask) for 24 hours
- Parents/legal guardians consent for enrollment

Exclusion Criteria:

- Major malformation
- Neuromuscular condition that affects respiration
- Terminal illness
- Decision to withhold or limit support
- Too sick to participate in opinion of Attending physician
- Clinical shock, sepsis
- Planned surgery during study period

Conditions & Interventions

Interventions:

DEVICE: CPAP, DEVICE: Nasal Cannula

Conditions:

Bronchopulmonary Dysplasia (BPD)

Keywords:

Continuous Positive Airway Pressure, CPAP

More Information

Description:

The objective of the CPAP Trial is to test whether extending CPAP until 34 weeks' PMA or for at least 2 additional weeks compared to weaning to a nasal cannula will decrease the likelihood of bronchopulmonary dysplasia or death at 36 weeks' PMA.

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Principal Investigator:

Principal Investigator ID:

Phase: NA

IRB Number:

System ID: NCT07417111

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