

Open-label Randomized Controlled Trial of Two Protocols for Weaning From High Frequency Oscillatory Ventilation in Preterm Neonates With Respiratory Distress Syndrome Admitted in the NICU of Mansoura University Children Hospital

NCT07202299

Status	RECRUITING
Phase	Not Applicable
Sponsor	Mansoura University Children Hospital
Enrollment	110 participants

Key Eligibility Criteria

Inclusion (4)

- Preterm infants with RDS whose gestational age is 34 weeks or less who required HFOV for more than 24 hours duration due to failure of non- invasive respiratory support due to any of the following:
- Severe hypercapnea PaCO₂ > 60 mmHg associated with pH < 7.25.
- Hypoxemia PaO₂ < 50 mmHg, with FiO₂ > 40%.
- Frequent apneas: 6 or more episodes of apnea requiring mild or moderate stimulation within 6-hour period or one apneic episode requiring bag and mask positive pressure ventilation.

Exclusion (4)

- Preterm infants with any of the following :
- Major congenital malformations or chromosomal aberrations.
- Inborn errors of metabolism.
- Severe intraventricular hemorrhage (IVH) grade III or IV

Locations (1 total)

Mansoura University Children Hospital, Al Mansurah, Egypt