

The Diaphragmatic Initiated Ventilatory Assist (DIVA) Trial

Status: RECRUITING

Eligibility Criteria

Age: 0 days to 9 weeks old

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

* Gestational age of 23 0/7- 28 6/7 weeks at birth * Intubated in the first 7 days of life * Undergoing extubation following at least 12 hours of invasive mechanical ventilation * Post-natal age <32 weeks Post menstrual age at time of extubation

Exclusion Criteria:

* Major congenital anomalies, including pulmonary hypoplasia * Neurologic disorders affecting respiratory drive (other than apnea of prematurity) * Esophageal bleeding or other contraindication to NG/OG catheter placement * Current weight <500 grams (based on Edi catheter approval) * Study ventilator not available at time eligibility criteria are met * Planned surgery or invasive procedure within 5 days of extubation * Informed consent not provided

Conditions & Interventions

Interventions:

DEVICE: NIV-NAVA, DEVICE: NS-NIPPV

Conditions:

Extubation Failure, Bronchopulmonary Dysplasia, Death

More Information

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Principal Investigator:

IRB

Number:

System ID: NCT05446272

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