

Point-of-Care Lung Ultrasound for Prognosis in Critically Ill Infants With Acute Lower Respiratory Tract Infection

NCT06425107

Status RECRUITING
Sponsor Vittore Buzzi Children's Hospital
Enrollment 100 participants

Key Eligibility Criteria

Inclusion (3)

- Age ≤ 1 year at the time of hospital admission
- Admission to PICU for suspected/confirmed LRTI
- Treatment (within the 1st 12 hours of ICU stay) with noninvasive ICU-LRS for respiratory failure (HFNC ≥ 1 L/kg/min, negative pressure, or noninvasive PPV via any interface (CPAP, BiPap, NIMV, etc.)

Exclusion (5)

- Invasive ventilation as initial support or within the 1st 12 hours of ICU stay, either via endotracheal tube or tracheostomy
- Upper respiratory symptoms only (stridor, stertor)
- Corrected gestational age ≤ 37 weeks at time of ICU admission
- ICU-LRS for only nonrespiratory reasons (e.g. shock) or for pulmonary edema felt to be solely due to noninfectious causes (cardiogenic, airway obstruction, drowning). Patients presenting with apnea can be included if they have a diagnosis of bronchiolitis or other LRTI
- Prior inclusion in the study

Locations (1 total)

Vittore Buzzi Children's Hospital, Milan, Italy