

Premedication for Less Invasive Surfactant Administration

NCT03735563

Status	RECRUITING
Phase	Phase 4
Sponsor	University of Oulu
Enrollment	40 participants

Key Eligibility Criteria

Inclusion (4)

- Gestational age at birth ≥ 26 weeks
- Respiratory insufficiency managed with non-invasive respiratory support (nasal continuous positive airway pressure or high-flow)
- Requirement for oxygen to maintain oxygen saturation in the target range and need for surfactant treatment (according to clinician's assessment)
- If further doses of surfactant are needed, patient can be re-randomized

Exclusion (4)

- Severe RDS with high oxygen requirements, severe respiratory acidosis and/or widespread atelectasis radiologically, such that ongoing ventilator support will be necessary after surfactant therapy (intubation is preferable to LISA if $FiO_2 > 40\%$ at GA < 28 weeks and $> 60\%$ at GA ≥ 28 weeks)
- Maxillo-facial, tracheal or known pulmonary malformations
- Any known chromosomal abnormality or severe malformation
- An alternative cause for respiratory distress (e.g. congenital pneumonia or pulmonary hypoplasia)

Locations (1 total)

Oulu University Hospital, Oulu, Finland