

Pressure Support Ventilation (PSV) for ventilation of newborn infants

Submission date 30/09/2004	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 30/09/2004	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 19/05/2017	Condition category Neonatal Diseases	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
N0436130508

Study information

Scientific Title
Pressure Support Ventilation (PSV) for ventilation of newborn infants

Study objectives

To investigate if PSV performs as well as conventional trigger ventilation modes (SIPPV, SIMV) in supporting newborn infants receiving mechanical ventilation.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Neonatal Diseases: Respiratory

Interventions

1. Synchronised intermittent positive pressure ventilation (SIPPV)
2. Synchronised intermittent mandatory ventilation (SIMV)

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

A change in mean airway pressure.

Key secondary outcome(s)

Oxygenation index (OI), comfort score, tidal volumes, PaCO₂, degree of asynchrony during exhalation.

Completion date

30/06/2008

Eligibility**Key inclusion criteria**

Newborn infants in the convalescent phase of respiratory distress syndrome and being weaned from mechanical ventilation

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Neonate

Sex

All

Key exclusion criteria

Not provided at time of registration

Date of first enrolment

30/04/2003

Date of final enrolment

30/06/2008

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre**Neonatal Unit**

Leeds

United Kingdom

LS9 7TF

Sponsor information**Organisation**

Department of Health

Funder(s)**Funder type**

Government

Funder Name

Leeds Teaching Hospitals NHS Trust (UK)

Results and Publications

Individual participant data (IPD) sharing plan**IPD sharing plan summary**

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes