

# Pressure Support Ventilation (PSV) for ventilation of newborn infants

<b>Submission date</b> 30/09/2004	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 30/09/2004	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 19/05/2017	<b>Condition category</b> 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, PaCO<sub>2</sub>, 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