

A randomised controlled trial to compare auto variable positive airway pressure ventilation with conventional non-invasive positive pressure ventilation in the treatment of hypercapnic ventilatory failure in chronic obstructive pulmonary disease

Submission date 15/06/2006	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 28/06/2006	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 03/05/2011	Condition category Respiratory	☐ Individual participant data

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
P01032; National Research Register: N0542167931

Study information

Scientific Title

Study objectives

Auto variable positive pressure ventilation is as efficacious as standard positive pressure ventilation

Ethics approval required

Old ethics approval format

Ethics approval(s)

Huntingdon research ethics committee on 27/10/2005 (ref: 05/Q0104/118)

Primary study design

Interventional

Study design

Randomised cross over study

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Chronic obstructive pulmonary disease (COPD)

Interventions

There are two groups: the first will receive either auto variable positive airway pressure ventilation (auto VPAP) and the second group will receive standard non-invasive positive pressure ventilation (NIPPV). After eight weeks the two groups will cross over. The patients will be randomised to start on either auto VPAP or NIPPV. The control group is the group receiving standard NIPPV.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Nocturnal oxygenation

Key secondary outcome(s)

Pulmonary function

Completion date

01/02/2007

Eligibility

Key inclusion criteria

1. Diagnosis of Chronic Obstructive Pulmonary Disease (COPD)
2. Forced expiratory volume in one second (FEV1) < 50%
3. Smoking history > 20 pack years
4. Hypercapnic ventilatory failure

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Age > 80
2. Body Mass Index (BMI) > 40

Date of first enrolment

16/12/2005

Date of final enrolment

01/02/2007

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Papworth Hospital

Papworth Everard

United Kingdom

CB3 8RE

Sponsor information

Organisation

Papworth Hospital Foundation NHS Trust (UK)

ROR

<https://ror.org/01qbebb31>

Funder(s)**Funder type**

Industry

Funder Name

ResMed

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?
Results article	results	01/12/2010		Yes	No