

Proportional Assist Ventilation with adjustable gain factors versus Pressure Support ventilation in critically ill patients

Submission date 15/09/2006	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
Registration date 13/10/2006	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
Last Edited 30/10/2008	Condition category Respiratory	<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Prof Dimitris Georgopoulos

Contact details
Intensive Care Unit
Heraklion University Hospital
Voutes
Heraklion
Greece
71110
georgop@med.uoc.gr

Additional identifiers

Protocol serial number
N/A

Study information

Scientific Title

Acronym

PAV vs PS

Study objectives

To assess the success rate and efficacy of Proportional Assist Ventilation (PAV) with adjustable gain factors versus Pressure Support (PS) in critically ill patients receiving controlled mechanical ventilation.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics committee of Heraklion University Hospital (reference number: 6122), date of approval: 30/05/2006.

Study design

Randomised trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Respiratory disorders requiring mechanical ventilation

Interventions

After enrolment PAV with adjustable gain factors or pressure support will be instigated and the patients will be monitored during the following 48 hours. Patients who meet any of the predefined failure criteria during this period are returned to controlled mechanical ventilation.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

1. PAV success rate
2. Sedation doses

Key secondary outcome(s)

1. Weaning time
2. Intensive Care Unit (ICU) mortality
3. Hospital mortality

Completion date

01/03/2008

Eligibility

Key inclusion criteria

1. Critically ill patients receiving control mechanical ventilation for at least 36 hours
2. Partial Pressure of Oxygen in Arterial Blood (PaO₂) more than 65 mmHg, Fraction of Inspired Oxygen (FiO₂) less than 65% and Positive End Expiratory Pressure (PEEP) level less than 15 mmHg
3. No respiratory distress

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Aged over 18 and under 85 years
2. Severe haemodynamic instability
3. Pregnancy
4. Neuromuscular disorders
5. End stage disease
6. Severe bronchospasm, resistance of the respiratory system more than 20

Date of first enrolment

30/05/2006

Date of final enrolment

01/03/2008

Locations

Countries of recruitment

Greece

Study participating centre

Intensive Care Unit

Heraklion

Greece

71110

Sponsor information

Organisation

Cretan Critical Care Society (Greece)

Funder(s)

Funder type

Research organisation

Funder Name

Cretan Critical Care Society (Greece)

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	8 results	01/11/2008		Yes	No