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Physiologic measurements using continuous neonatal blood gas monitoring in preterm infants requiring mechanical ventilation for respiratory failure

Submission date 29/09/2006	**Recruitment status** Stopped	[ ] Prospectively registered [ ] Protocol
Registration date 29/09/2006	**Overall study status** Stopped	[ ] Statistical analysis plan [ ] Results
Last Edited 27/01/2014	**Condition category** Neonatal Diseases	[ ] Individual participant data [ ] 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
N0227165397

Study information

Scientific Title

Study objectives
Variability in arterial PsO2 and PaCO2 as measured continuously by multiparameter arterial sensor (NeotrendR) in babies on different modes of mechanical ventilation.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Study design
Single centre randomised crossover clinical trial

Primary study design
Interventional

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Neonatal Diseases

Interventions
Single-centre randomised crossover clinical trial.

Updated 27/01/2014: This trial was stopped because the manufacturers of the Neotrend /Paratrend device used for continuous blood gas monitoring went out of business and the product was no longer available.

Intervention Type
Other

Phase
Not Specified

Primary outcome(s)
Coefficient of variation in blood gases (PaO2 and PaC02) while receiving mechanical ventilation.

Key secondary outcome(s))
Incidental physiological data that are routinely collected in babies requiring intensive care, such as core temperature, arterial PH.

Completion date
31/12/2006

Reason abandoned (if study stopped)
Lack of staff/facilities/resources

Eligibility

Key inclusion criteria
Preterm newborn infants < 34 weeks gestation, requiring mechanical ventilation for respiratory failure.

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Neonate

Sex
Not Specified

Key exclusion criteria
All babies not receiving mechanical ventilation for respiratory failure.

Date of first enrolment
01/06/2005

Date of final enrolment
31/12/2006

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
South Tees Hospital Trust
Middlesbrough
United Kingdom
TS4 3BW

Sponsor information

Organisation
Record Provided by the NHSTCT Register - 2006 Update - Department of Health

Funder(s)

Funder type
Government

Funder Name
South Tees Hospitals NHS Trust

Funder Name
The James Cook University Hospital

Funder Name
NHS R&D Support Funding

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration