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CHEST - Pilot Study CPAP: Heliox Effects on Stability and Therapeutics

Submission date 19/07/2005	**Recruitment status** Stopped	[ ] Prospectively registered [ ] Protocol [ ] Statistical analysis plan [ ] Results [ ] Individual participant data [ ] Record updated in last year
Registration date 21/09/2005	**Overall study status** Stopped	
Last Edited 04/01/2011	**Condition category** Respiratory	

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
AL001

Study information

Scientific Title

Acronym
CHEST

Study objectives
Heliox + oxygen driven continuous positive airway pressure (CPAP) reduces work of breathing and improves oxygenation and carbon dioxide clearance more than air + oxygen driven CPAP

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
Respiratory distress requiring CPAP

Interventions
Heliox + oxygen driven continuous positive airway pressure (CPAP) versus air + oxygen driven CPAP.

Intervention Type
Other

Phase
Not Specified

Primary outcome(s)
Work of breathing

Key secondary outcome(s))
Oxygenation, carbon dioxide clearance

Completion date
01/03/2007

Reason abandoned (if study stopped)
Lack of funding

Eligibility

Key inclusion criteria
Children under 1 year of age with respiratory distress requiring CPAP

Participant type(s)

Patient

Healthy volunteers allowed
No

Age group
Child

Upper age limit
1 years

Sex
All

Key exclusion criteria
Refusing consent, pneumothorax, FiO2 >0.6, imminent intubation, respiratory failure

Date of first enrolment
01/09/2005

Date of final enrolment
01/03/2007

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Imperial College London
London
United Kingdom
W21PG

Sponsor information

Organisation
Imperial College London (UK)

ROR
https://ror.org/041kmwe10

Funder(s)

Funder type
Industry

Funder Name
Gas will be provided by BOC Ltd. Equipment and application fees will be provided by Viasys

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration