

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

Submission date 19/07/2005	Recruitment status Stopped	☐ Prospectively registered ☐ Protocol
Registration date 21/09/2005	Overall study status Stopped	☐ Statistical analysis plan ☐ Results
Last Edited 04/01/2011	Condition category Respiratory	☐ 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
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

Primary study design

Interventional

Study design

Randomised controlled trial

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