ISRCTN82423314 https://doi.org/10.1186/ISRCTN82423314

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

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

**Plain English summary of protocol**
Not provided at time of registration

## Contact information

**Type(s)**
Scientific

**Contact name**
Dr Parviz Habibi

**Contact details**
Imperial College London
Norfolk Place
London
United Kingdom
W21PG

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**
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

## Secondary study design
Randomised controlled trial

## Study setting(s)
Not specified

## Study type(s)
Treatment

## Participant information sheet

## 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 measure
Work of breathing

## Secondary outcome measures
Oxygenation, carbon dioxide clearance

**Overall study start date**
01/09/2005

**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

**Age group**
Child

**Upper age limit**
1 Years

**Sex**
Both

**Target number of participants**
20

**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**
England

United Kingdom

**Study participating centre**
**Imperial College London**
London

United Kingdom
W21PG

# Sponsor information

**Organisation**
Imperial College London (UK)

**Sponsor details**
Norfolk Place
London
England
United Kingdom
W21PG

**Sponsor type**
University/education

**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

**Publication and dissemination plan**
Not provided at time of registration

**Intention to publish date**

**Individual participant data (IPD) sharing plan**

**IPD sharing plan summary**
Not provided at time of registration