

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

<b>Submission date</b> 19/07/2005	<b>Recruitment status</b> Stopped	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 21/09/2005	<b>Overall study status</b> Stopped	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 04/01/2011	<b>Condition category</b> Respiratory	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

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

## Contact information

**Type(s)**  
Scientific

**Contact name**  
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**Contact details**  
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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,  $\text{FiO}_2 > 0.6$ , 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