# A study to investigate the effects of voluntary coughing on the airways of asthmatic and COPD subjects

Submission date	Recruitment status	Prospectively registered
28/09/2007	No longer recruiting	☐ Protocol
Registration date	Overall study status	Statistical analysis plan
28/09/2007	Completed	Results
Last Edited	Condition category	Individual participant data
07/06/2017	Respiratory	Record updated in last year

# Plain English summary of protocol

Not provided at time of registration

# Contact information

# Type(s)

Scientific

#### Contact name

Dr Jaclyn Smith

#### Contact details

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# Additional identifiers

Protocol serial number

N0226187456

# Study information

Scientific Title

A study to investigate the effects of voluntary coughing on the airways of asthmatic and COPD subjects

#### **Study objectives**

To determine the effects of short bursts of voluntary coughing on airway physiology and lung function in asthmatic and COPD subjects.

#### 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: Chronic obstructive pulmonary disease (COPD)

#### **Interventions**

Subjects will be randomised to either progressively increasing periods of voluntary coughing or no intervention, both interspersed with measurements of lung function.

#### Intervention Type

Other

#### Phase

**Not Specified** 

### Primary outcome(s)

The fall in exhaled nitric oxide (eNO) following voluntary coughing.

# Key secondary outcome(s))

No secondary outcome measures

# Completion date

30/10/2008

# **Eligibility**

# Key inclusion criteria

- 1. Aged over 18
- 2. Physician diagnosed asthma or COPD

#### Participant type(s)

**Patient** 

#### Healthy volunteers allowed

No

#### Age group

Adult

#### Lower age limit

18 years

#### Sex

All

#### Key exclusion criteria

- 1. Symptoms of upper respiratory tract infection or asthmatic/COPD exacerbation in the preceding 4 weeks
- 2. Involved in studies with licensed drugs or methodological studies within the preceding 4 weeks
- 3. Subjects taking ACE inhibitors, leukotrine receptor antagonists or cough suppressants
- 4. Change in asthma/COPD medication in last 4 weeks
- 5. Pregnancy
- 6. Current smokers

#### Date of first enrolment

30/10/2006

#### Date of final enrolment

30/10/2008

# Locations

#### Countries of recruitment

**United Kingdom** 

England

# Study participating centre

University Hospital of South Manchester NHS Foundation Trust

Manchester United Kingdom M23 9LT

# Sponsor information

## Organisation

Record Provided by the NHSTCT Register - 2007 Update - Department of Health

# Funder(s)

## Funder type

Hospital/treatment centre

#### **Funder Name**

University Hospital of South Manchester NHS Foundation Trust

#### Funder Name

**NWLC Endowment Funds** 

## 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

# Study outputs

Output type Details Date created Date added Peer reviewed? Patient-facing?

Participant information sheet
Participant information sheet
11/11/2025 No Yes