

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

Submission date 28/09/2007	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 28/09/2007	Overall study status Completed	☐ Statistical analysis plan ☐ Results
Last Edited 07/06/2017	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
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