

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

<b>Submission date</b> 28/09/2007	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 28/09/2007	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 07/06/2017	<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

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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