

# Effect of laryngeal mask airway (LMA) in small airway function in the postoperative period compared with the endotracheal tube (ETT)

<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> 30/04/2018	<b>Condition category</b> Surgery	<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**  
Prof Iain T Campbell

**Contact details**  
University Hospital of South Manchester NHS Foundation Trust  
Wythenshawe Hospital  
Southmoor Road  
Manchester  
United Kingdom  
M23 9LT  
+44 0161 291 5714  
[iaian.campbell@uhsm.nhs.uk](mailto:iaian.campbell@uhsm.nhs.uk)

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**

N0226190719

## Study information

### Scientific Title

Effect of laryngeal mask airway (LMA) in small airway function in the postoperative period compared with the endotracheal tube (ETT)

### Study objectives

To compare the effect of laryngeal mask airway versus end tracheal tube on small airway function in the post operative period.

### 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)

Hospital

### Study type(s)

Treatment

### Participant information sheet

Not available in web format, please use the contact details below to request a patient information sheet

### Health condition(s) or problem(s) studied

Surgery: Small airway function

### Interventions

Patients will be randomised to either LMA or ET for anaesthesia.

### Intervention Type

Procedure/Surgery

### Phase

Not Specified

### Primary outcome measure

Changes in airway resistance in the lung.

### **Secondary outcome measures**

If there are marked differences it will add a new dimension to the choice of airway device used in patients with constrictive/obstructive airways disease.

### **Overall study start date**

05/02/2007

### **Completion date**

05/02/2009

## **Eligibility**

### **Key inclusion criteria**

1. ASA Grades 1 or 2 (ie healthy patients of patients with well controlled chronic conditions) for elective surgery expected to last >30mins, on peripheral or body surfaces. We expect this would mean mainly orthopaedic or plastic surgery patients but could include vascular (varicose veins)
2. Smokers and non-smokers
3. BMI <30
4. Patients consenting to the research
5. No history of gastric reflux

### **Participant type(s)**

Patient

### **Age group**

Not Specified

### **Sex**

Not Specified

### **Target number of participants**

80 participants; 2 groups of 40. 40 patients recruited as of August 2008.

### **Key exclusion criteria**

1. ASA 3 or higher
2. BMI >30
3. Patients suffering with gastro-oesophageal reflux
4. Patients unable to consent to the research or those who refuse to participate

### **Date of first enrolment**

05/02/2007

### **Date of final enrolment**

05/02/2009

## **Locations**

### **Countries of recruitment**

England

United Kingdom

**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

**Sponsor details**

The Department of Health

Richmond House

79 Whitehall

London

United Kingdom

SW1A 2NL

+44 (0)20 7307 2622

dhmail@doh.gsi.org.uk

**Sponsor type**

Government

**Website**

<http://www.dh.gov.uk/Home/fs/en>

## **Funder(s)**

**Funder type**

Government

**Funder Name**

University Hospital of South Manchester NHS Foundation Trust (UK), NHS R&D Support Funding

## **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