

# A randomised controlled trial investigating the effect of strict glycaemic control on the incident of nosocomial infection in critically ill patients

**Submission date**

29/09/2006

**Recruitment status**

No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**

29/09/2006

**Overall study status**

Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**

10/09/2012

**Condition category**

Infections and Infestations

☐ Individual participant data

**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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## Additional identifiers

EudraCT/CTIS number

IRAS number

**ClinicalTrials.gov number**

**Secondary identifying numbers**

N0236173812

## **Study information**

**Scientific Title**

### **Study objectives**

1. To investigate the association between strict glycaemic control and the subsequent development of nosocomial infection.
2. To determine the relationship between nosocomial pneumonia and the presence of glucose in endotracheal secretion.

### **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)**

Not Specified

### **Participant information sheet**

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

Infections and Infestations: Nosocomial infections

### **Interventions**

All ventilated patients will be randomised to 2 groups:

Group 1 - the treatment group: a continuous infusion of insulin will be started once blood glucose levels exceed 6.1 mmol/l and adjusted accordingly to maintain blood sugar levels between 4.4 and 6.1 mmol/l

Group 2 - the control group: insulin will be adjusted to maintain blood glucose levels  $\leq 10$  mmol/l

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome measure**

Nosocomial infection.

**Secondary outcome measures**

Not provided at time of registration

**Overall study start date**

01/11/2002

**Completion date**

01/05/2005

**Eligibility****Key inclusion criteria**

Not provided at time of registration

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Not Specified

**Target number of participants**

100 subjects and 100 controls, total 200

**Key exclusion criteria**

Not provided at time of registration

**Date of first enrolment**

01/11/2002

**Date of final enrolment**

01/05/2005

**Locations****Countries of recruitment**

England

United Kingdom

**Study participating centre**  
**Anaesthetics Department**  
London  
United Kingdom  
SW17 0QT

## Sponsor information

### Organisation

Record Provided by the NHSTCT Register - 2006 Update - Department of Health

### Sponsor details

The Department of Health, Richmond House, 79 Whitehall  
London  
United Kingdom  
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+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

St George's Healthcare NHS 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

**Study outputs**

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results on nosocomial pneumonia and the presence of glucose in endotracheal secretion	01/09/2005		Yes	No