

# Role of antibiotic line locks in the prevention of tunnelled haemodialysis catheter infection: a double blind randomised controlled trial

**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**  
18/04/2012

**Condition category**  
Injury, Occupational Diseases, Poisoning

☐ 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

N0280178863

# Study information

## Scientific Title

### Study objectives

Will locking dialysis catheters with antibiotics immediately after placement into the patient reduce infection rate and prolong their life-span?

### Ethics approval required

Old ethics approval format

### Ethics approval(s)

Not provided at time of registration

### Study design

Single centre double blind randomised controlled trial

### Primary study design

Interventional

### Secondary study design

Randomised controlled trial

### Study setting(s)

Hospital

### Study type(s)

Prevention

### 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

Injury, Occupational Diseases, Poisoning: Haemodialysis catheter infection

### Interventions

1G of vancomycin intravenously before catheter insertion. The catheter site will be inspected at each dialysis and cleaned with 10% aqueous povidone-iodine solution after each dialysis and each time the patient bathes.

### Intervention Type

Drug

### Phase

Not Specified

**Drug/device/biological/vaccine name(s)**

Antibiotics

**Primary outcome measure**

Time in days to catheter-related infections.

**Secondary outcome measures**

1. Haemoglobin concentration
2. Erythropoetin dose
3. Serum albumin concentration
4. Hospital admission rate
5. Mean length of hospital stay

**Overall study start date**

01/06/2006

**Completion date**

30/06/2008

## **Eligibility**

**Key inclusion criteria**

Patients aged 18 and above, stratified according to their diabetic status, requiring the insertion of a new tunnelled haemodialysis catheter.

**Participant type(s)**

Patient

**Age group**

Adult

**Lower age limit**

18 Years

**Sex**

Not Specified

**Target number of participants**

80

**Key exclusion criteria**

1. Antibiotics for longer than 2 weeks
2. Pregnancy or planned pregnancy
3. Pregnancy
4. Allergy to vancomycin or gentamicin
5. History of heparin induced thrombocytopenia

**Date of first enrolment**

01/06/2006

**Date of final enrolment**

30/06/2008

## Locations

**Countries of recruitment**

England

United Kingdom

**Study participating centre**

**Arrowe Park Hospital**

Wirral

United Kingdom

CH49 5PE

## 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

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dhmail@doh.gsi.org.uk

**Sponsor type**

Government

**Website**

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

## Funder(s)

**Funder type**

Government

**Funder Name**

Wirral Hospitals NHS Trust

**Funder Name**

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	01/01/2008		Yes	No