

# Pre-transplant machine perfusion of heart-beating donor kidneys prior to renal transplantation

<b>Submission date</b> 30/03/2005	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 10/05/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 10/08/2017	<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

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## Additional identifiers

**Clinical Trials Information System (CTIS)**  
2005-001495-12

**Protocol serial number**  
N/A

## Study information

**Scientific Title**

A multi-centre, randomised, controlled study of pre-transplant machine perfusion of heart-beating donor kidneys prior to renal transplantation

**Acronym**

HBDPump 2005

**Study objectives**

Primary objective:

To determine whether a brief period of machine perfusion reduces the incidence of delayed graft function following renal transplantation.

Secondary objective:

To evaluate the cost effectiveness of a brief period of machine perfusion prior transplantation.

Please note that as of 24/02/2009 this record was updated to include amendments to the trial information. The trial has been changed from single centre to multicentre, and the acronym has been altered from 'CamPump' to the current acronym. At this time, the trial dates on this record were also amended; the overall trial dates at the time of registration were:

Initial overall trial start date: 01/08/2005

Initial overall trial end date: 31/08/2010

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

The London Research Ethics Committee (REC), 02/02/2006, ref: 05/MRE02/75

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Study type(s)**

Treatment

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

Kidney preservation prior to transplantation

**Interventions**

Machine perfusion of the kidney before transplantation versus simple cold storage

**Intervention Type**

Procedure/Surgery

**Phase**

Not Applicable

**Primary outcome(s)**

Incidence of delayed graft function at 7 days

**Key secondary outcome(s))**

1. Patient survival
2. Graft survival
3. Graft function - estimated glomerular filtration rate (GFR)
4. Acute rejection incidence
5. Acute rejection severity
6. Incidence of steroid resistant rejection, defined as the need for ATG therapy

**Completion date**

30/06/2012

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

Patients (aged 18 years and over, either gender) undergoing transplantation of a kidney from a heart-beating cadaver donor.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

All

**Key exclusion criteria**

Added 24/02/2009: Multi-organ recipient

**Date of first enrolment**

28/06/2006

**Date of final enrolment**

30/06/2012

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

United Kingdom

England

**Study participating centre**  
**Addenbrooke's Hospital**  
Cambridge  
United Kingdom  
CB2 2QQ

## Sponsor information

**Organisation**  
Addenbrooke's Hospital (UK)

**ROR**  
<https://ror.org/055vbx86>

## Funder(s)

**Funder type**  
Hospital/treatment centre

**Funder Name**  
Addenbrooke's Hospital (UK) - transplant research fund

## Results and Publications

**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="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes