

# Machine perfusion preservation versus cold storage of cadaveric kidneys for transplantation

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|--|---|---|
| <b>Submission date</b><br>14/09/2005   | <b>Recruitment status</b><br>No longer recruiting | <input type="checkbox"/> Prospectively registered<br><input type="checkbox"/> Protocol            |
| <b>Registration date</b><br>25/01/2006 | <b>Overall study status</b><br>Completed          | <input type="checkbox"/> Statistical analysis plan<br><input checked="" type="checkbox"/> Results |
| <b>Last Edited</b><br>19/03/2019       | <b>Condition category</b><br>Surgery              | <input type="checkbox"/> Individual participant data  |

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
TR 811/1-1

# Study information

## Scientific Title

Machine perfusion preservation versus cold storage of cadaveric kidneys for transplantation

## Acronym

Machine Preservation Trial

## Study objectives

Machine perfusion reduces the rate of delayed graft function following kidney transplantation compared to cold storage

## 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)

Not Specified

## Participant information sheet

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

Kidney insufficiency

## Interventions

One kidney of each donor is randomised to machine perfusion, the other kidney will be cold stored

## Intervention Type

Procedure/Surgery

## Phase

Not Specified

## Primary outcome measure

Delayed graft function defined by necessity of dialysis in the first 7 days post transplant

**Secondary outcome measures**

1. Decrease of creatinine
2. Rejection rates
3. Graft survival
4. Economics

**Overall study start date**

01/11/2005

**Completion date**

31/10/2006

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

Every deceased donor older than 15 years will be included

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Not Specified

**Target number of participants**

300 donors, 600 recipients

**Key exclusion criteria**

Combined transplantations

**Date of first enrolment**

01/11/2005

**Date of final enrolment**

31/10/2006

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

Germany

Netherlands

**Study participating centre**

**University Medical Center**  
Groningen  
Netherlands  
9700 RB

## **Sponsor information**

### **Organisation**

Organ Recovery Systems Inc. (USA)

### **Sponsor details**

2570 East Devon avenue  
Des Plaines  
United States of America  
IL 60018

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lridders@organ-recovery.com

### **Sponsor type**

University/education

### **Website**

<http://www.organ-recovery.com>

### **ROR**

<https://ror.org/05hy2kb37>

## **Funder(s)**

### **Funder type**

Industry

### **Funder Name**

Organ Recovery Systems Inc. (USA)

### **Funder Name**

German Research Foundation (Deutsche Forschungsgemeinschaft) (DFG) (Germany)

## **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 | 01/01/2009   |            | Yes            | No              |
| <a href="#">Results article</a> | results | 01/06/2011   |            | Yes            | No              |
| <a href="#">Results article</a> | results | 01/08/2018   |            | Yes            | No              |