

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

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