

# The One-Year Graft Survival of a Second Kidney Transplant Compared to that of a First Kidney Transplant: A Systematic Review and Meta-Analysis

No registrations found.

|                              |                            |
|------------------------------|----------------------------|
| <b>Ethical review</b>        | Not applicable             |
| <b>Status</b>                | Recruiting                 |
| <b>Health condition type</b> | -                          |
| <b>Study type</b>            | Observational non invasive |

## Summary

### ID

NL-OMON20076

### Source

NTR

### Brief title

RESSECTR (results after second transplant)

### Health condition

End stage renal disease, allograft failure

## Sponsors and support

**Primary sponsor:** Erasmus MC

**Source(s) of monetary or material Support:** Erasmus MC

## Intervention

## Outcome measures

### Primary outcome

The one-year graft survival of a second kidney transplant compared to a first

kidney transplant.

## **Secondary outcome**

1. The five- and ten-year graft survival of a second kidney transplantation
2. The one-year patient survival after a second kidney transplantation

## **Study description**

### **Background summary**

Kidney transplantation has become the most preferred form of treatment for kidney failure. Currently, around 1 million people in the United States are suffering from kidney failure. Annually, an approximate number of 15,000 kidney transplantations are performed in the United States. As a result of improvements in all aspects of kidney transplantation in the past few decades, the allograft survival has been increased. Unfortunately, in some cases a second transplantation is necessary. A second kidney transplantation could have a decreased allograft survival since this group has already been exposed to alloantigens and thereby has experienced loss of their first graft. Nevertheless, the success rates of second kidney transplantations after a first graft was lost (especially early after transplantation) is not completely known. We want to conduct a systematic review and meta-analysis to assess the graft survival of a second kidney transplantation compared to a first kidney transplantation in adults (> 18 years) We want to search PubMed for studies that examined the graft survival of a second kidney transplant in recipients > 18 years and complied our eligibility criteria. Our primary outcome is the one-year graft survival of a second kidney transplant compared to a first kidney transplant. Results are reported with an Odds Ratio (OR), using a random effects model from Cochrane Statistical Package Review Manager 5.3.

### **Study objective**

The one-year graft survival of a second kidney transplant will be inferior to the one-year graft survival of a first kidney transplant.

### **Study design**

1 year  
5 years

### **Intervention**

Systematic literature review using EMBASE, MEDLINE ALL Ovid, the Cochrane Central Register of Trials, Web of Science Core Collection and Google scholar.

## Contacts

### **Public**

ErasmusMC  
MWF van den Hoogen

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### **Scientific**

ErasmusMC  
MWF van den Hoogen

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## Eligibility criteria

### **Inclusion criteria**

1. Patients of 18 years and older who recieved a second kidney transplant
2. Clinical trials, cohortstudies, retrospective studies, longitudinal studies and prospective studies.
3. English-language studies

### **Exclusion criteria**

1. Case reports and conference reports.
2. Studies included preemptive kidney transplantation
3. Studies included nephrectomy
4. Studies comparing influences of immunosuppressants, HLA-matching, thrombosis, noncompliance or trauma-death donors
5. Studies that combine kidney transplantation with another organ transplantation
6. Studies who did not mention the one-year graft survival of the second kidney transplant

## Study design

### Design

|                     |                            |
|---------------------|----------------------------|
| Study type:         | Observational non invasive |
| Intervention model: | Other                      |
| Allocation:         | Non controlled trial       |
| Masking:            | Open (masking not used)    |
| Control:            | N/A , unknown              |

### Recruitment

|                           |             |
|---------------------------|-------------|
| NL                        |             |
| Recruitment status:       | Recruiting  |
| Start date (anticipated): | 19-03-2020  |
| Enrollment:               | 2000        |
| Type:                     | Anticipated |

### IPD sharing statement

**Plan to share IPD:** No

#### Plan description

N/A

## Ethics review

|                   |                |
|-------------------|----------------|
| Not applicable    |                |
| Application type: | Not applicable |

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

## Other (possibly less up-to-date) registrations in this register

No registrations found.

## In other registers

| Register | ID   |
|----------|--|
| NTR-new  | NL8707   |
| Other    | Erasmus MC - own investigation and funding : ErasmusMC220781 |

## Study results

### Summary results

N/A