

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

comparison of the prevalence of renal artery stenosis in patients undergoing renal transplantation by end-to-end artery anastomosis with end to side method.

Protocol summary

Study aim

Determination of the prevalence of renal artery stenosis in and end-to-end end-to-end artery bypass grafting technique in renal transplant patients.

Design

Non-random clinical practice with parallel groups and minimization method.

Settings and conduct

The present study is a clinical trial in which the effect of independent renal transplant variables is measured by end-to-side by end-to-end anastomosis method on the dependent variable of renal artery stenosis. The underlying variables of this study are age, sex, employment status, monthly income, health insurance, other diseases such as diabetes, hypertension, and history of transplant rejection. The kidney transplantation room is located in Afzalipour Hospital and is a doctor's office of the Department of Urology and Nephrology. Patients referring to the kidney transplant of the research community are.

Participants/Inclusion and exclusion criteria

age 18 to 60

Intervention groups

The first group is the end-to-end arterial artery anastomosis The second group is the end-to-side arterial artery anastomosis

Main outcome variables

renal artery stenosis

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190125042485N1**

Registration date: **2019-06-18, 1398/03/28**

Registration timing: **registered_while_recruiting**

Last update: **2019-06-18, 1398/03/28**

Update count: **0**

Registration date

2019-06-18, 1398/03/28

Registrant information

Name

Farhad Kharazmi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 34 3211 6193

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-06-10, 1398/03/20

Expected recruitment end date

2020-06-09, 1399/03/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison of the prevalence of renal artery stenosis in patients undergoing renal transplantation by end-to-end artery anastomosis with end to side method.

Public title

comparison of the prevalence of renal artery stenosis in patients undergoing renal transplantation by end-to-end artery anastomosis with end to side method.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Age 18 to 60 years old and suffering from kidney failure.
Candidate for transplantation

Exclusion criteria:

Patients' lack of satisfaction in entering the study and performing follow-up after renal transplant surgery

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **84**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Kerman medical University of Medical Sciences

Street address

Qarni St. Hospital Bahonar Department of Urology

City

Kerman

Province

Kerman

Postal code

7613747181

Approval date

2019-06-14, 1398/03/24

Ethics committee reference number

IR.KMU.REC.1398.134

Health conditions studied

1

Description of health condition studied

transplant renal artery stenosis

ICD-10 code

N18.5

ICD-10 code description

Chronic kidney disease, stage 5

Primary outcomes

1

Description

Kidney artery stenosis calculated by Doppler ultrasonography of the renal artery and determining the number of RI and PSV

Timepoint

6 months after renal transplant

Method of measurement

Doppler ultrasonography of the renal artery and determining the number of RI and PSV

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Anastomosis of the renal artery to the end of the internal iliac artery receptor (end to end)

Category

Treatment - Surgery

2

Description

Intervention group: Anastomosis of the kidney artery to the side of the external iliac receptor artery (end to side)

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Afzalipor hospital Kerman

Full name of responsible person

Farhad Kharazmi

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Department of Urology, Bahonar Hospital, Kerman, Iran

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Email

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Abas Pardakhti

Street address

Imam Khomeini Highway (RA), next to Shahid
Bahonar University, Afzalipour Medical Education
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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Kerman University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Farhad Kharazmi

Position

Rezident

Latest degree

Medical doctor

Other areas of specialty/work

Urology

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Latest degree

Medical doctor

Other areas of specialty/work

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Sharing plan

- Deidentified Individual Participant Data Set (IPD)**
Undecided - It is not yet known if there will be a plan to make this available
- Study Protocol**
Undecided - It is not yet known if there will be a plan to make this available
- Statistical Analysis Plan**
Undecided - It is not yet known if there will be a plan to

- make this available
- Informed Consent Form**
Undecided - It is not yet known if there will be a plan to make this available
- Clinical Study Report**
Undecided - It is not yet known if there will be a plan to make this available
- Analytic Code**
Undecided - It is not yet known if there will be a plan to make this available
- Data Dictionary**
Undecided - It is not yet known if there will be a plan to make this available