Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Early Catheter removing effect on the reduced Rate of Urinary Tract Infection in Renal Transplant recipients of Tabriz Imam Reza Hospital

Protocol summary

Study aim

Investigate the role of early removing of the catheter in renal transplant patients on the reduction of urinary tract infections

Design

In this interventional study, a total of 88 consenting patients will be selected and divided in two groups using block randomization method (n=44 in each group). Proper counseling will be done and a written informed consent will be obtained before starting the treatment regimen.

Settings and conduct

The patients will be divided into two groups randomly. The first group: urethral Catheter will be removed after 3 days of post kidney transplantation operation, and in second group: urethral catheter will be removed 7days after post kidney transplantation. In all of patients two urine samples will be provided for analysis and culture. One sample at time of removing urethral catheter and second sample at 7 days' post removal of urethral catheter. Patients' blood pressure also will be measured at the time of sampling for urinary culture and the results will be analyzed.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Patients of kidneys recipient; negative urinary culture; three medications including Tacrolimus, prednisolone and Cellcept; operation by the same team of surgery. Exclusion criteria: Unwillingness of the patient to continue cooperation in the plan; patient with history of lower urinary tract disease; abnormality of lower urinary tract.

Intervention groups

In the first group urethral Catheter will be removed after 3 days of post kidney transplantation operation. In second group urethral catheter will be removed 7 days after post kidney transplantation

Main outcome variables

Urinary tract infections and Blood pressure.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20150808023559N14**
Registration date: **2017-12-31, 1396/10/10**
Registration timing: **prospective**

Last update: **2017-12-31, 1396/10/10**
Update count: **0**

Registration date

2017-12-31, 1396/10/10

Registrant information

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Somaieh Matin
Name of organization / entity
Ardabil University of Medicine Sciences
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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research and Technology,Tabriz university of Medical Sciences

Expected recruitment start date

2018-01-21, 1396/11/01

Expected recruitment end date

2021-02-18, 1399/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
Early Catheter removing effect on the reduced Rate of Urinary Tract Infection in Renal Transplant recipients of Tabriz Imam Reza Hospital

Public title
Early removal of foley cather on infection of recipient post renal transplantation

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
Patients of kidneys recipient; negative urinary culture three medications including Tacrolimus, prednisolone and Cellcept

Exclusion criteria:
Unwillingness of the patient to continue cooperation in the plan patient with history of lower urinary tract disease abnormality of lower urinary tract

Age
No age limit

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **88**

Randomization (investigator's opinion)
Randomized

Randomization description
Block randomization method

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 Tabriz University of Medical Sciences

Street address
Tabriz University of Medical Sciences, Daneshgah street, Tabriz, Iran

City
Tabriz

Province
East Azarbaijan

Postal code
5166614766

Approval date
2017-04-12, 1396/01/23

Ethics committee reference number
IR.Tbzmed.rec.1396.226

Health conditions studied

1

Description of health condition studied
Urinary tract infection

ICD-10 code
T83.5

ICD-10 code description
Infection and inflammatory reaction due to prosthetic device, implant and graft in urinary system

Primary outcomes

1

Description
Urine caiture

Timepoint
Once upon removal of the catheter and another 7 days' post removal of urethral catheter

Method of measurement
Use of culture media in the laboratory

Secondary outcomes

1

Description
Blood pressure

Timepoint
Once upon removal of the catheter and another 7 days' post removal of urethral catheter

Method of measurement
Manual blood pressure monitor

Intervention groups

1

Description
The first group: urethral Catheter will be removed after 3 days of post kidney transplantation operation

Category
Treatment - Surgery

2

Description
second group: urethral catheter will be removed 7 days after post kidney transplantation

Category
Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center
Kidney transplant ward, Imam Reza Hospital Tabriz

Full name of responsible person
Amin Bageri

Street address
Department of Urology, Imam Reza Hospital, University Street, Tabriz

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Full name of responsible person
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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
Tabriz University of Medical Sciences

Proportion provided by this source
100

Public or private sector
Private

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Persons

Person responsible for general inquiries

Contact

Name of organization / entity
Tabriz University of Medical Sciences

Full name of responsible person
Abolgasem joiban

Position
professor

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Ph.D.

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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
Not applicable

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
Not applicable

Data Dictionary
Not applicable