

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

Name

Somaieh Matin

Name of organization / entity

Ardabil University of Medicine Sciences

Country

Iran (Islamic Republic of)

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+98 45 3373 3011

Email address

s.matin@arums.ac.ir

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 catheter 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 culture

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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Email

smr_mtn@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Abolgasem Joiban

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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

Latest degree

Ph.D.

Other areas of specialty/work

Medical Pharmacy

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Position

Resident of Urology

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Medical doctor

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Urology

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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