

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 May 2026

Efficacy Of Losartan In Treatment Of Hyperuricemia After Renal Transplantation

Protocol summary

Summary

This randomized controlled clinical trial study was designed to investigate efficacy of losartan in treatment of post renal transplantation hyperuricemia. After signing informed consent, total 70 kidney transplanted patient with normal and stable renal function enter into our study. Exclusion criteria are: 1- renal artery stenosis 2- episode of acute rejection during last month 3- cardiac and cerebrovascular complications during last month or every abnormal function of heart, lung or liver 4- receiving ARBs, ACEIs or uric acid lowering agents and during study: 5- more than 50% rise in serum creatinine 6- SBP<90mmhg or DBP<60mmhg 7- hemoglobin below 100 g/ L. They are categorized into two groups, 35 patients receiving losartan and 35 patients with no drug reception as control. Patients group take 50 mg per day losartan for 6 months. Serum potassium concentration, serum albumin, urea nitrogen level, serum creatinine, serum uric acid, hemoglobin and whole blood CsA through level will be measured 1,2,3 and 6 months thereafter. All the patients will be on 3 drug protocol including a Calcineurin inhibitor, Steroid, Cellcept or Imuran. Patient's blood pressure and GFR will be measured frequently. No one takes ACEIs, ARBs or uric acid lowering agents before entrance into the study. Indications for prescription of losartan are: hyperuricemia (uric acid>7mg/dl) and absence of above contraindications.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201111108032N1**

Registration date: **2012-09-22, 1391/07/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-09-22, 1391/07/01

Registrant information

Name

Sima Abediazar

Name of organization / entity

Tabriz University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1334 7054

Email address

abediazars@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Sima Abediazar

Expected recruitment start date

2012-02-04, 1390/11/15

Expected recruitment end date

2012-04-03, 1391/01/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy Of Losartan In Treatment Of Hyperuricemia After Renal Transplantation

Public title

Efficacy Of Losartan In Treatment Of Hyperuricemia After Renal Transplantation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Post renal transplant patients; Normal and stable renal function; Completion of testimonial
Exclusion criteria: Transplanted renal artery stenosis; Acute rejection episode during last month; cardiovascular or cerebrovascular complications during last month or any abnormality in cardiac, lung or liver function; taking ACEIs , ARBs or any uric acid lowering agent and during study; more than 50% rise in serum creatinine; systolic blood pressure less than 90mmHg or diastolic blood pressure less than 60mmHg; Hb less than 100gr/L

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 70

Randomization (investigator's opinion)

N/A

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 Tabriz University Of Medical Science

Street address

Tabriz University Of Medical Science, Golgasht Ave.

City

Tabriz

Postal code

5165665931

Approval date

2012-08-01, 1391/05/11

Ethics committee reference number

9172

Health conditions studied**1****Description of health condition studied**

Compliations Of Kidney Trasplantation

ICD-10 code

Z94.0

ICD-10 code description

Kidney Transplant Status

Primary outcomes**1****Description**

serum uric acid level

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

Secondary outcomes**1****Description**

serum potassium concentration

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

2**Description**

serum creatinine level

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

3**Description**

urea nitrogen level

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

4**Description**

hemoglobin

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

5**Description**

whole-blood CSA through level.

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

6

Description

serum albumin

Timepoint

before taking Losartan,1st,2d,3rd &6th month

Method of measurement

laboratory

Intervention groups

1

Description

Intervention group: 50mg per day, Losartan for 6 months

Category

Treatment - Drugs

2

Description

Control group: no drug

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Clinic Of Nephrology, Imam Reza Hospital

Full name of responsible person

Sima Abediazar

Street address

Imam Reza Hospital, Golgasht Ave.

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Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Assistance Of Tabriz University Of Medical Science

Full name of responsible person

Mohammad Reza Rashidi

Street address

Research Assistance, Tabriz University Of Medical Science, Golgasht Ave.

City

Tabriz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Research Assistance Of Tabriz University Of Medical Science

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Tabriz University Of Medical Science

Full name of responsible person

Sima Abediazar

Position

Nephrologist/Associate Professor

Other areas of specialty/work

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Position

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty