Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of Allopurinol on progression of renal disease

Protocol summary

Summary

This study will be done with aim to determine the effects of allopurinol in renal disease progress. This study is a double blind clinical trial. The study population includes patients with chronic renal insufficiency are referred to Mahdieh clinic in Kermanshah city,that 180 patients purposefully selected and randomly will divided into two (each group, n = 90) control and exprimental groups. In the experimental group allopurinol 100 mg will be given under the supervision of nephrologist ,daily for 12 months. The control group daily will receive 100 mg of placebo,daily for 12 months. Then in both groups at beginning of the study, and at 3,6 and 12 months the kidney function of patients with GFR, uric acid and creatinine is assessed. Inclusion criteria: informed consent of the patient;the diagnosis of renal glomerular filtration ;(GFR) of less than 60 and over 15; uric acid greater than 6 mg per dL; age over 18 years; no history of hospitalization during the past three months due to renal disease and no increase in creatinine number greater than 50% compared to the 3months ago. Exclusion criteria: allopurinol intolerance;allergy; the possibility of pregnancy; liver disease history of gout.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015101714333N43**
Registration date: **2015-10-30, 1394/08/08**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2015-10-30, 1394/08/08

Registrant information

Name
Feizollah Foroughi
Name of organization / entity
kermanshah University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2014-10-17, 1393/07/25

Expected recruitment end date

2015-10-17, 1394/07/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Allopurinol on progression of renal disease

Public title

Effect of Allopurinol on Chronic Kidney Disease Progression.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: informed consent of the patient;the diagnosis of renal glomerular filtration ;(GFR) of less than 60 and over 15; uric acid greater than 6 mg per dL; age over 18 years; no history of hospitalization during the past three months due to renal disease and no increase in creatinine number greater than 50% compared to the 3months ago. Exclusion criteria: allopurinol intolerance;allergy; the possibility of pregnancy; liver

disease history of gout

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **180**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Kermanshah University of Medical Sciences

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

City

Kermanshah

Postal code

Approval date

2014-10-14, 1393/07/22

Ethics committee reference number

31220/7/420/پ

Health conditions studied

1

Description of health condition studied

Chronic renal failure

ICD-10 code

N18

ICD-10 code description

Chronic renal failure

Primary outcomes

1

Description

GFR level

Timepoint

At beginning of the study, and at 3,6 and 12 months after study

Method of measurement

Using the formula Modification of Diet in Renal Disease(MDRD)

2

Description

Using the formula creatinine

Timepoint

At beginning of the study, and at 3,6 and 12 months after study

Method of measurement

Based on blood tests

3

Description

uric acid

Timepoint

At beginning of the study, and at 3,6 and 12 months after study

Method of measurement

Based on blood tests

Secondary outcomes

empty

Intervention groups

1

Description

In the experimental group allopurinol 100 mg will be given under the supervision of nephrologist ,daily for 12 months. Then at beginning of the study, and at 3,6 and 12 months the kidney function of patients with GFR, uric acid and creatinine is assessed.

Category

Treatment - Drugs

2

Description

In the control group will receive 100 mg of placebo daily for 12 months. Then at beginning of the study, and at 3,6 and 12 months the kidney function of patients with GFR, uric acid and creatinine is assessed.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center
Clinic of Mahdieh
Full name of responsible person
Mehrnoosh Manoochehri
Street address
Clinic of Mahdieh, Crossroads Javanshir
City
Kermanshah

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Kermanshah University of Medical Sciences
Full name of responsible person
Koroush Hamzehee
Street address
Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences
City
Kermanshah
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice chancellor for research, Kermanshah University of Medical Sciences
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

Person responsible for scientific inquiries

Contact
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr.Sima Golmohammadi
Position
Nephrologist
Other areas of specialty/work
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Emam Reza Hospital, Parastar Boulevard
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Web page address

Person responsible for updating data

Contact

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