

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Analyzing the effect of serum uric acid reduction using Allopurinol on vitamin D (25OHD) levels in hemodialysis patients

Protocol summary

Summary

The aim of this study is to analyze the correlation of serum uric acid and vitamin D in hemodialysis patients. This study is a clinical trial consisting of two steps. First we measure serum uric acid and 25OHD in patients under hemodialysis in the target hospitals. The main inclusion criteria are asymptomatic hyperuricemia and no vitamin D supplements in regimen. The main exclusion criterion is taking uric acid reducing agents before the study. We then divide the patients randomly into two groups of study and control. The study group will receive 100 mg Allopurinol tablets, daily for two months. The control group will receive placebo in the same period. After two months we will assess serum uric acid and vitamin D again. Data will be analyzed using SPSS software V.24 using coupled T and Chi square index.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015041721803N1**
Registration date: **2017-05-28, 1396/03/07**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-05-28, 1396/03/07

Registrant information

Name

Negar Karevan

Name of organization / entity

Shahrekord university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 912 458 7409

Email address

st_karvan.n@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

The research center of Shahrekord University of Medical Sciences

Expected recruitment start date

2017-02-18, 1395/11/30

Expected recruitment end date

2017-04-19, 1396/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Analyzing the effect of serum uric acid reduction using Allopurinol on vitamin D (25OHD) levels in hemodialysis patients

Public title

Analyzing the effect of serum uric acid reduction using Allopurinol on vitamin D levels in hemodialysis patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Hemodialysis patients; ESRD; Asymptomatic hyperuricemia; Exclusion criteria: Taking Uric acid reducing agents; Taking vitamin D supplements;

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 92

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Triple blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

1

Registry name

-

Secondary trial Id

-

Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shahrekord University of Medical Sciences

Street address

Research department, Shahrekord University of Medical Sciences, Kashani blvd.

City

Shahrekord

Postal code

8815713471

Approval date

2016-12-19, 1395/09/29

Ethics committee reference number

IR.SKUMS.1395.231

Health conditions studied

1

Description of health condition studied

Hemodialysis patients

ICD-10 code

Z49.1

ICD-10 code description

Extracorporeal dialysis; Dialysis (renal) NOS

Primary outcomes

1

Description

Vitamin D level

Timepoint

Before and after hyperuricemia treatment

Method of measurement

25OHD serum level immunoassey

Secondary outcomes

empty

Intervention groups

1

Description

Allopurinol tablet, 100 mg, daily for 60 days

Category

Treatment - Drugs

2

Description

Placebo tablet, daily for 60 days

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Hemodialysis wards in hospitals related to Shahrekord University of Medical Sciences

Full name of responsible person

Saeed Mardani MD

Street address

Hajar hospital, Parastar st, Shahrekord, Chaharmahal va Bakhtiari

City

Shahrekord, Farsan, Farrokhsahr

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research center of Shahrekord University of Medical Sciences

Full name of responsible person

Kamal Solati Phd

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Shahrekord University of Medical Sciences, Kashani Blvd.

City

Shahrekord

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 center of Shahrekord 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

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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