

# 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

##### Street address

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

**Contact**  
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Shahrekord University of Medical Sciences  
**Full name of responsible person**  
Negar Karevan  
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Medical student  
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## Person responsible for scientific inquiries

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## Person responsible for updating data

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Medical student  
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**Email**  
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**Web page address**

## 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*