

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Effect of erythropoietin on glomerular filtration rate in patients with chronic kidney disease with mild anemia in diabetic nephropathy

Protocol summary

Summary

This study was a randomized clinical trial that was done with the aim of determination of the effect of erythropoietin on glomerular filtration rate in patients with chronic kidney disease with mild anemia in diabetic nephropathy, on 60 patients with CKD stage II. Inclusion criterion was having CKD stage II and exclusion criterion was having anemia due to another cause except CKD. After inclusion in the study, the patients were randomly divided into two equal groups, erythropoietin receivers and control group. Erythropoietin receivers were given erythropoietin 25 U/Kg every other day so as to maintain hemoglobin level at 13 g/dl in men and at 12 in women, but the control group didn't receive any drug, and at the end of the study the results of the two groups were compared together.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016043027686N1**

Registration date: **2016-06-04, 1395/03/15**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-06-04, 1395/03/15

Registrant information

Name

Maryam Khalili Sadr

Name of organization / entity

Zahedan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 35 3235 3222

Email address

m.khalili@zaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Zahedan University of Medical Sciences

Expected recruitment start date

2015-01-10, 1393/10/20

Expected recruitment end date

2016-01-10, 1394/10/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of erythropoietin on glomerular filtration rate in patients with chronic kidney disease with mild anemia in diabetic nephropathy

Public title

Erythropoietin effect on Chronic Kidney Disease

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients with stage II CKD Exclusion criteria: Anemia due to another disease except CKD; History of secondary hyperthyroidism; Malignancies

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

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

Zahedan University of Medical Sciences

Street address

Zahedan University of Medical Sciences and Health Services campus, Khalije Fars Blv, Doctor Hesabi Sq, Zahedan

City

Zahedan

Postal code

Approval date

2014-11-30, 1393/09/09

Ethics committee reference number

ir.zaums.rec.1393.6934

Health conditions studied

1

Description of health condition studied

Chronic Kidney Disease

ICD-10 code

N18.2

ICD-10 code description

Kidney damage with mild decreased GFR (60-89 mL/min)

Primary outcomes

1

Description

Glomerular Filtration Rate

Timepoint

Before intervention, after intervention with 2 months intervals till 6 months

Method of measurement

Using Formula

Secondary outcomes

empty

Intervention groups

1

Description

Treatment group: Erythropoietin 25U/Kg every other day

Category

Treatment - Drugs

2

Description

Control group: no drugs

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ali ebne Abi Taleb Hospital

Full name of responsible person

Maryam Khalili Sadr

Street address

Khalije Fars Blv, Zahedan

City

Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zahedan University of Medical Sciences

Full name of responsible person

Hoshang Rafighdoost

Street address

Deputy of research and technology, Zahedan University of Medical Sciences campus, Jannat Blv, Zahedan

City

Zahedan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Zahedan 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

Phone

+98 54 3329 5715

Fax**Email**

dralidadi@yahoo.com

Web page address**Person responsible for general inquiries****Contact****Name of organization / entity**

Zahedan University of Medical Sciences

Full name of responsible person

Maryam Khalili Sadrabad

Position

Internal Medicine Resident

Other areas of specialty/work**Street address**

No.17, Masjed Jame street, Emam street, Meibod,

Yazd

City

Yazd

Postal code**Phone**

+98 35 3235 3222

Fax**Email**

m.khalili@zaums.ac.ir

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Ali ebne Abi Taleb Hospital

Full name of responsible person

Maryam Khalili Sadr

Position

Internal Medicine Resident

Other areas of specialty/work**Street address**

No.17, Masjed Jame street, Emam street, Meibod,

Yazd

City

Yazd

Postal code**Phone**

+98 35 3235 3222

Fax**Email**

m.khalili@zaums.ac.ir

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Zahedan University of Medical Sciences

Full name of responsible person

Ali Alidadi

Position

Associate Professor

Other areas of specialty/work**Street address**

Ali ebne Abi Taleb Hospital, Khalije Fars Blv, Zahedan

City

Zahedan

Postal code**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