Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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

Erythropoeitin 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: Erythropoeitin 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

Person responsible for general inquiries

Contact
Name of organization / entity
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Person responsible for scientific inquiries

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Person responsible for updating data

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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