

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

A servay effect of zinc on glycemic control in diabetic patients(type 1)

Protocol summary

Summary

In this study the effect of zinc sulphate on HbA1C and serum zinc level in diabetic patient will be evaluated. 30 diabetic type 1 patient were included in this prospective and before-after study. The physician will use a checklist in the data collection; information on age, sex, duration of disease and HbA1C and serum zinc level of patient. Then one capsule of zinc sulphate (cotain 50 mg zinc element) will be added to participants regimen for 3 months. At the end of study HbA1C and serum zinc level will be rechecked. Finally HbA1C and serum zinc level changes will be evaluated

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138901303596N2**

Registration date: **2010-11-16, 1389/08/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-11-16, 1389/08/25

Registrant information

Name

Elena Lak

Name of organization / entity

Ahvaz Jundishapur University of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1337 9630

Email address

elenalak@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of medical science.

Expected recruitment start date

2009-08-23, 1388/06/01

Expected recruitment end date

2010-03-11, 1388/12/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A servay effect of zinc on glycemic control in diabetic patients(type 1)

Public title

Effect of zinc adminestration to controlling of blood suger in diabetic patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: type 1 diabetic patients; Exclusion criteria: sensitivity to zinc sulfate and HbA1C <6.5

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee, Ahvaz Jundishapur University

Street address

Ahvaz Jundishapur University of medical sciences.

City

Ahvaz

Postal code

Approval date

empty

Ethics committee reference number

236/پ/20/8/د

Health conditions studied

1

Description of health condition studied

Diabetes mellitus

ICD-10 code

E10

ICD-10 code description

Insulin-dependent diabetes mellitus

Primary outcomes

1

Description

HbA1c level

Timepoint

At the baseline and 3 month later

Method of measurement

HPLC method

Secondary outcomes

1

Description

Serum zinc

Timepoint

At the baseline and 3 month later

Method of measurement

atomic absorption spectrophotometry

Intervention groups

1

Description

Intervention:zinc 50 mg daily.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan hospital

Full name of responsible person

Atefe Hasanzade

Street address

Ahvaz Golestan hospital

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Jundishapur University of Ahvaz-research deputy

Full name of responsible person

Dr Atefe Hasanzade

Street address

Ahvaz Jundishapur University of medical sciences

City

Ahvaz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Jundishapur University of Ahvaz-research deputy

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

Jundishapour university

Full name of responsible person

Dr Atefe Hasanzade

Position

Internal medicine resident

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz Jundishapur University

Full name of responsible person

Dr Peyman Payami

Position

Assistant professor of endocrine and metabolism

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Full name of responsible person

Dr Atefe Hasanzade

Position

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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