Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Effect of Calcium-vitamin D in efficacy of induction-ovulation in infertile women with polycystic ovary syndrome

Protocol summary

Summary

This was a randomized controlled trail in which 44 infertile women with Poly Cystic Ovary Syndrome participated. Patients were divided in two groups, 22 members in each group. Intervention group received daily dose of 50mlg clomiphene tablet with 400 units of vitamin D3 and 1000 mg calcium; control group received daily dose of 50 mg clomiphene tablet with placebo. In order to measure follicles size, patients underwent sonography during three menstruation cycles, each time at the 13th day of menstruation.

General information

Acronym

Effect of Calcium-vitamin D in induction-ovulation

IRCT registration information

IRCT registration number: **IRCT201105096426N1**
Registration date: **2011-06-21, 1390/03/31**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-06-21, 1390/03/31

Registrant information

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Robabeh Mohammadbeigi
Name of organization / entity
Kurdistan University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Kurdistan University of Medical Sciences

Expected recruitment start date

2010-05-22, 1389/03/01

Expected recruitment end date

2010-12-22, 1389/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Calcium-vitamin D in efficacy of induction-ovulation in infertile women with polycystic ovary syndrome

Public title

Effect of Calcium-vitamin D in efficacy of induction-ovulation in infertile women with polycystic ovary syndrome

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Primary or secondary infertility due PCOS Exclusion criteria: Proved Endocrine diseases

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **44**

Randomization (investigator's opinion)

Randomized

Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Kurdistan University of Medical Sciences
Street address
Kurdistan University of Medical Sciences, Pasdaran Ave.
City
Sanandaj
Postal code
Approval date
2010-02-17, 1388/11/28
Ethics committee reference number
p14p1203

Health conditions studied

1

Description of health condition studied
Infertility
ICD-10 code
E28.2
ICD-10 code description
Polycystic ovarian syndrome

Primary outcomes

1

Description
Follicles' size
Timepoint
Sixty days after the beginning of the study
Method of measurement
Sonography

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: daily dose of 50mlg clomiphene tablet with 400 units of vitamin D3 and 1000 mg calcium
Category
Treatment - Drugs

2

Description
Control group: daily dose of 50 mg clomiphene tablet with a placebo
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Besat Hospital
Full name of responsible person
Robabeh Mohammadbeigi
Street address
Keshavarz Ave
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kurdistan University of Medical Sciences
Full name of responsible person
Ataollah Heidari
Street address
Kurdistan University of medical sciences, Pasdaran Ave
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Sanandaj
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kurdistan 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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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