

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Evaluation the effect of GnRH agonist and antagonist and Gonadotropin on Level of serum prolactin in sterile women undertaking stimulation of ovulation

Protocol summary

Summary

This study was done to evaluate the effects of infertility treatment (including agonist and antagonist of GnRH and gonadotropin) on serum level of prolactin in sterile women undertaking infertility treatment. 90 sterile women have been studied in three groups. Serum level of prolactin and other parameters were measured before treatment. Induction of ovulation was done using GnRH agonist in the first group, GnRH antagonist in the second group and Gonadotropin in the last group. Serum level of prolactin was measured 36 hours after beginning of induction therapy. Finally effects of induction therapy on increasing the sizes of ovum, ovulation and pregnancy occurrence and their association with types of drugs and levels of primary and secondary serum prolactin were evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201203109252N1**
Registration date: **2012-09-16, 1391/06/26**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-09-16, 1391/06/26

Registrant information

Name

Maryam Izad panah

Name of organization / entity

Kurdistan University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 912 214 2482

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Recruitment status

Recruitment complete

Funding source

Kurdistan University of Medical Science

Expected recruitment start date

2011-09-23, 1390/07/01

Expected recruitment end date

2012-02-20, 1390/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of GnRH agonist and antagonist and Gonadotropin on Level of serum prolactin in sterile women undertaking stimulation of ovulation

Public title

Evaluation of sex hurmon injection effect on pregnancy induction

Purpose

Treatment

Inclusion/Exclusion criteria

INCLUSION: Sterile women that their ovulation cycles and serum LH.FSH and prolactine are normal and they are candidate for IVF or IUI. EXCLUSION: previous therapy for IVF and IUI

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 90

Randomization (investigator's opinion)

N/A

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

Kurdistan University of Medical Science

Street address

Kurdistan University of Medical Science, Pasdaran blv,
Sanandaj

City

Sanandaj

Postal code

6617713446

Approval date

2012-03-08, 1390/12/18

Ethics committee reference number

14/38429

Health conditions studied

1

Description of health condition studied

infertility

ICD-10 code

n97

ICD-10 code description

inability to achieve a pregnancy

Primary outcomes

1

Description

ovulation

Timepoint

one month after interruption

Method of measurement

sonography

2

Description

pregnancy-ovulation

Timepoint

one month after beginning of interruption

Method of measurement

sonography

Secondary outcomes

1

Description

pregnancy

Timepoint

one month after interruption

Method of measurement

sonography

Intervention groups

1

Description

Treatment with GnRH agonist injection of 0.5 cc buserilin
for 15 days and then 0.25 cc until HCG injection (when
follicle size became 18mm)

Category

Treatment - Drugs

2

Description

Treatment with GnRH antagonist: injection of 0.25 mg
cetrorelix when the size of follicle became 13mm until
injection of HCG (when follicle size became 18mm)

Category

Treatment - Drugs

3

Description

treatment with gonadotropins: injection of HMG from 2nd
day of menstruation until HCG injection (when follicle
size became 18mm)

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Besat hospital of Sanandaj

Full name of responsible person

Maryam Izadpanah

Street address

Besat hospital, Keshavarz st, Sanandaj

City

Sanandaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kurdistan University of Medical Science

Full name of responsible person

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Kurdistan University of Medical Science, Pasdaran blv,
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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 Science

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**

Kurdistan University of Medical Science

Full name of responsible person

Maryam Izadpanah

Position

Gynecology assistant

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Person responsible for scientific

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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