

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Effect of medroxyprogesterone acetate compared with Cetrotide to prevent premature LH sudden increase in IVF cycles

Protocol summary

Summary

The aim of this study is effect of medroxyprogesterone acetate compared with Cetrotide to prevent premature LH sudden increase in IVF cycles. Women between 20 and 40 years old with a diagnosis of primary infertility that are candidates for IFV and have been referred to the Infertility Center of Alzahra hospital will be studied. Patients will be divided randomly into two groups of 50 persons. In the intervention group, rFSH (recombinant FSH) at a dose of 225-150 units and medroxyprogesterone acetate (MPA) daily dose mg 10, the third day given cycle. In the control group (diet stimulation with agonists), gonadotropin stimulation done on the third day of the menstrual cycle. Treatment with a dose of 225-150 IU is the third day cycle. Examined the embryos, the number and regularity of blastomeres and fragmentation of the embryo on the third day according to the criteria. Treatment with a dose of 225-150 IU is the third day cycle. After 6-5 days of gonadotropin stimulation, transvaginal ultrasound is performed and then repeated every 3-2 days is based on the patient's condition. The number and regularity of blastomeres and embryos Embryonic degree of fragmentation on the third day according to the search criteria. The number of oocyte and embryo formation and their grades and pregnancy outcomes in the two groups will be compared. Treatment with estradiol and progesterone in hormone cycles and natural cycles of treatment with progesterone in the tenth week of pregnancy continues. If no response and lack of follicle growth cycle and the cycle canceled the results will be canceled.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017010813566N8**

Registration date: **2017-01-30, 1395/11/11**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-01-30, 1395/11/11

Registrant information

Name

Kobra Hamdi

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1554 1221

Email address

hamdik@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for Research, Tabriz University Of Medical Sciences

Expected recruitment start date

2017-01-27, 1395/11/08

Expected recruitment end date

2018-01-28, 1396/11/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of medroxyprogesterone acetate compared with Cetrotide to prevent premature LH sudden increase in IVF cycles

Public title

Effect of medroxyprogesterone acetate compared with Cetrotide to prevent premature LH sudden increase in IVF cycles

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Infertile women aged 40-20 years; AFC top four on the third day of the menstrual cycle; The base FSH less than IU / L15; Exclusion criteria: Evidence of ovarian failure (the top FSH IU / L15 or absence of ultrasound AFC on the third day of the menstrual cycle); Endometriosis grade 3 and 4; Any contraindications for ovarian stimulation; Severe male factor

Age

From **20 years** old to **40 years** old

Gender

Female

Phase

1-2

Groups that have been masked

No information

Sample size

Target sample size: **100**

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**

Ethics Committee Of Tabriz University Of Medical Sciences.

Street address

Third Floor, Central Building of Number2, Golgasht Street

City

Tabriz

Postal code**Approval date**

2017-01-28, 1395/11/09

Ethics committee reference number

IR.TBZMED.REC.1395.1127

Health conditions studied**1****Description of health condition studied**

Female Infertility

ICD-10 code

N97

ICD-10 code description

Female infertility

Primary outcomes**1****Description**

Determination of serum levels of LH

Timepoint

On the third day of the cycle

Method of measurement

Blood test

Secondary outcomes

empty

Intervention groups**1****Description**

In the control group (diet stimulation with agonists), gonadotropin stimulation done on the third day of the menstrual cycle. At a dose of 225-150 IU rFSH treatment cycle is performed on the third day. After 6-5 days of gonadotropin stimulation, transvaginal ultrasound is performed and then repeated every 3-2 days is based on the patient's condition

Category

Treatment - Drugs

2**Description**

In the intervention group: (recombinant FSH) at a dose of 225-150 units and medroxyprogesterone acetate (MPA) daily dose mg 10, the third day given cycle.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Alzahra Hospital

Full name of responsible person

DR.Hamdi Kobra

Street address

Alzahra Hospital, South Artesh St.,Tabriz, iran

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research,Tabriz University Of Medical Sciences

Full name of responsible person

Dr.Alireza Rashidi

Street address

Third Floor, Central Building of Number2, Golgasht Street

City

Tabriz

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice chancellor for Research,Tabriz 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**

Tabriz University Of Medical Sciences

Full name of responsible person

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Position

Associate Professor of Obstetrics and Gynecology

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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