

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jul 2026

Comparison of pregnancy rate in standard IUI with administration of HCG simultaneity with IUI

Protocol summary

Summary

The study population will be selected from patients with non - fertilized in 25-30 years old with normal ovarian reserve tests and normal hysterosalpingography. The study population includes 160 women with PCO, unexplained infertility and mild Endometriosis. Patients will randomly divided into 2 groups A and B In one Group (Controls Group) will do routine method of IVF and in second group will do IUI with injecting HCG simultaneous when the patients refer to visit and doing vaginal sonography on days 1-5 of menstrual cycle if the sonography is a normal ovulation will start with administration of clomiphene and HCG. Again patients will be controlled on days 11-13 of menstrual cycle with vaginal sonography and if Maximum 3 dominant follicles will be seen in both ovaries, cycle will be continued. Patients in control group (A group) , one dose of HCG (5000 units) will be injected at 8-9 pm on the same day and after 36-40 hours IUI will be done. Patient in B group will be done IUI in the same day and after 20 minutes single dose of HCG (5000 units) will be injected. For supporting (luteal) phase in both groups progesterone vaginal suppositories will be administrated about 16 days and at 17th day pregnancy test will be done and if it is positive using sup positives will continue. Both groups will be equally the same about courses of infertility and dominant follicles. Pregnancy rates are considered as the primary out come.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013060313566N1**

Registration date: **2013-07-14, 1392/04/23**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-07-14, 1392/04/23

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

2013-07-11, 1392/04/20

Expected recruitment end date

2014-10-12, 1393/07/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of pregnancy rate in standard IUI with administration of HCG simultaneity with IUI

Public title

Comparison of pregnancy rate in standard IUI with administration of HCG simultaneity with IUI

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: women with non-fertilized in 25-30 years old with normal ovarian reserves tests and normal. (Hystro Salpangografy); women with mild male factor and reduced ovulation among patients with pco, unexplained infertility and mild endometrioses and the desire to participate in the study. Exclusion criteria: server endometriosis; anomalies such as two uterine horns or cache; case will be dismissed IUI treatment such as obstruction of tabular uterus in parameters of liquid semen.

Age

From **20 years** old to **35 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **160**

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

Ethics Committee of Tabriz University of Medical Sciences

Street address

Tabriz university of medical sciences, Golgasht street, Azadi avenue

City

Tabriz

Postal code

Approval date

2013-04-17, 1392/01/28

Ethics committee reference number

552/4/5

Health conditions studied

1

Description of health condition studied

Infertility

ICD-10 code

N97.0

ICD-10 code description

Female infertility associated with anovulation

Primary outcomes

1

Description

Pregnancy rate

Timepoint

17 days after IUI

Method of measurement

Pregnancy test

Secondary outcomes

1

Description

Pregnancy rate in group with doing IUI with Injecting HCG simultaneously

Timepoint

17th day of the menstrual cycle

Method of measurement

Measurement of serum B-HCG

Intervention groups

1

Description

Inject a dose of 5000 IU HCG

Category

Treatment - Drugs

2

Description

Progesterone vaginal suppositories 400 mg every night is a number (the same night IUI) administered for 16 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra hospital

Full name of responsible person

Dr. Kobra Hamdi

Street address

Alzahra hospital, Artesh jonoobi avenue

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 Ostad Rahimi

Street address

Tabriz university of medical sciences, 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

Dr. Kobra Hamdi

Position

Associate professor

Other areas of specialty/work**Street address**

Tabriz university of medical sciences, Golgasht street

City

Tabriz

Postal code

5138665793

Phone

+98 41 1553 9161

Fax**Email**

hamdik@tbzmed.ac.ir; wrhrcenter@gmail.com

Web page address

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Dr. Kobra Hamdi

Position

Associate professor

Other areas of specialty/work**Street address**

Tabriz university of medical sciences, Golgasht street

City

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Postal code

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Fax**Email**

hamdik@tbzmed.ac.ir; wrhrcenter@tbzmed.ac.ir

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

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Dr. Kobra Hamdi

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Fax**Email**

hamdik@tbzmed.ac.ir; wrhrcenter@gmail.com

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