Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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

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Name of organization / entity
Tabriz University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research,Tabriz University of Medical Scienes

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
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Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research,Tabriz University of Medical Scienes
Full name of responsible person
Dr. Alireza Ostad Rahimi
Street address
Tabriz university of medical sciences, Golgasht street
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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
Vice chancellor for research,Tabriz University of Medical Scienes
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
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hamdik@tbzmed.ac.ir; wrhrcenter@gmail.com
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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