Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparsion of the effect of intra uterine injection of human chorionic gonadotropin through soft catheter in time of embryo transfer and no injection in infertile women candidate of in vitro fertilization.

Protocol summary

Summary

This study is doing with purpose of comparsion of the effect of intrauterine injection of human chorionic gonadotropin through soft catheter in time of embryo transfer and no injection in infertile women candidate of in vitro fertilization and intra cytoplasmic sperm injection. Inclusion criteria in study is the women with infertility male factor and exclusion criteria from study is age above 40 years old; Doing previous in vitro fertilization and intra cytoplasmic sperm injection with one successful case; uterine myoma; pervious myomectomy; endometriosis; hydrosalpanx. This study has done on 300 patients refer to infertility clinic Jameh Zanan Hospital that divide in two groups case and control randomly. In case group inject 500 unit(1 cc) human chorionic gonadotropin only once intrauterine through soft catheter in time of embryo transfer and in control group do not inject any drug after embryo transfer. finally after 14 days pregnancy will compare in two group.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013110815320N1**
Registration date: **2014-03-15, 1392/12/24**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-03-15, 1392/12/24

Registrant information

Name

Samaneh Jalali

Name of organization / entity

Tehran University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Reserch, Tehran University of Medical Sciences

Expected recruitment start date

2013-11-18, 1392/08/27

Expected recruitment end date

2014-03-20, 1392/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparsion of the effect of intra uterine injection of human chorionic gonadotropin through soft catheter in time of embryo transfer and no injection in infertile women candidate of in vitro fertilization.

Public title

The study of the effect of intrauterine injection of human chorionic gonadotropin to increase of pregnancy rate in result of in vitro fertilization.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Women with infertility male factor.

Exclusion criteria: Women above 40 years old;Previous IVF/ICSI with one successful case; Uterin myoma;Previous myomectomy;Endometriosis; Hydrosalpanx.

Age

From **15 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **300**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Vice Chancellor for Research Tehran University of Medical Sciences

Street address

Northern door of university, Poorsina avenue, Ghods avenue, Enghelab street.

City

Tehran

Postal code

Approval date

2013-10-29, 1392/08/07

Ethics committee reference number

130/1639/92/د

Health conditions studied

1

Description of health condition studied

Female Infertility

ICD-10 code

N-97

ICD-10 code description

Inability to achieve a pregnancy sterility femal NOS

Primary outcomes

1

Description

Pregnancy rate.

Timepoint

Two weeks after embryo transfer.

Method of measurement

Measurement of serum BHCG according to miu/ml.

2

Description

Fetal Implantation

Timepoint

Five weeks after embryo transfer.

Method of measurement

Uterine sonography

Secondary outcomes

1

Description

Miscarriage rate

Timepoint

Twentieth weeks of pregnancy

Method of measurement

Uterine sonography

Intervention groups

1

Description

The injection of 500 unit (1cc)human chorionic gonadotropin intrauterine through soft catheter once in time of embryo transfer in case group.

Category

Treatment - Other

2

Description

Do not injection any drug in control group only enter the injection instrument (soft catheter).

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Jameh Zanan Hospital Infertility Clinic

Full name of responsible person

Doctor Ozra Azmoodeh Fellowship Gynocology and Infertility Assistant professor

Street address

Jame zanan hospital, Northern nejatollahi avenue,

Karimkhan zand street.

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research Tehran University of Medical Sciences

Full name of responsible person

Doctor Akhoondzadeh

Street address

Northen door of university, Poorsina avenue, Ghods avenue, Enghelab street.

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Tehran

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 Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Samaneh Jalali

Position

Doctor/Gynocology and Obstetric Resident

Other areas of specialty/work

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Other areas of specialty/work

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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