Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of heparin in the treatment of recurrent IVF–ET Failure

Protocol summary

Summary

The purpose of the present study is to investigate the effect of heparin in the treatment of recurrent IVF– ET failure. A total of 100 infertile couple were recruited in this clinical trial. Ovarian stimulation was done by using long protocol and then on the day of embryo transfer, the patients were randomly assigned into intervention or control group. The patients in the intervention group received heparin, 5000 IU twice a day, subcutaneously, for 6 weeks but in the intervention group received no intervention. Chemical and clinical pregnancy rates were compared between groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138807202575N1**
Registration date: **2010-10-02, 1389/07/10**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-10-02, 1389/07/10

Registrant information

Name
Razieh Ḏehghani Firouzabadi
Name of organization / entity
Yazd Research and Clinilcal Center for Infertility
Country
Iran (Islamic Republic of)
Phone
+98 35 1824 7085
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dr_firouzabadi@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Yazd Research and Clinical Center for Infertility and Shahid Sadoughi University of Medical Sciences

Expected recruitment start date

2009-04-22, 1388/02/02

Expected recruitment end date

2010-04-22, 1389/02/02

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of heparin in the treatment of recurrent IVF–ET Failure

Public title

Effect of heparin in the treatment of recurrent IVF–ET Failure

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Pervious failure of IVF cycle at least for three times, age 19-35 years old, BMI = 19- 29, FSH < 10 IU/L, good embryo quality, presence of both ovaries
Exclusion criteria: Presence of PCOS, presence of hydrosalpinx or endometriosis, presence of uterine abnormality, contraindication for heparin, presence of chronic renal, thyroid, or liver diseases, presence of thrombocytopenia

Age

From **19 years** old to **35 years** old

Gender

Both

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: **100**

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 Yazd Research and Clinical Center for Infertility

Street address

Bouali Ave., Safayeh, Yazd, Iran

City

Yazd

Postal code

Approval date

empty

Ethics committee reference number

1378

Health conditions studied

1

Description of health condition studied

infertility and IVF failure

ICD-10 code

N97

ICD-10 code description

female infertility

Primary outcomes

1

Description

Chemical pregnancy

Timepoint

on day 14 after IVF

Method of measurement

BHCG

Secondary outcomes

1

Description

clinical pregnancy

Timepoint

2 weeks after positive pregnancy test

Method of measurement

detected of FHR by ultrasound

Intervention groups

1

Description

Heparin, 5000 IU, subcutaneous, twice a day, from embryo transfer to 6 weeks after delivery

Category

Treatment - Drugs

2

Description

No intervention

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Yazd Research and Clinical Center for Infertility-Yazd-IRAN

Full name of responsible person

Mehri Mashayekhy

Street address

Bouali Ave., Safayeh, Yazd, Iran

City

Yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Sodoughi Medical Science University, Yazd Research and Clinical Center for Infertility

Full name of responsible person

Mehri Mashayekhy

Street address

Bouali Ave., Safayeh, Yazd, Iran

City

Yazd

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Shahid Sodoughi Medical Science University, Yazd

Research and Clinical Center for Infertility

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

Yazd Research and Clinical Center for Infertility

Full name of responsible person

Mehri Mashayekhy

Position

Gynecologist

Other areas of specialty/work

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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