

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 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 Dehghani Firouzabadi

Name of organization / entity

Yazd Research and Clinical Center for Infertility

Country

Iran (Islamic Republic of)

Phone

+98 35 1824 7085

Email address

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
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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