

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Local injury to the endometrium does not improve the implantation rate in good responder patients undergoing in-vitro fertilization

Protocol summary

Summary

The aim of the present study was to explore if the injury of the endometrium increases implantation rate. In this interventional study, 100 good responders to hormone stimulation patients were assigned into intervention or control group. The intervention group underwent endometrial biopsy by biopsy catheter (pipelle) on 21st day of their previous menstrual cycle with use of contraceptive pill before the IVF-ET treatment. A total of 26 patients were excluded from the study because the number of stimulated follicles was less than 3, there was no embryo, or there was the risk of OHSS. The remaining patients were 33 in the intervention and 41 in the control group. The control group received no intervention. Implantation rate was compared between groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201008154572N1**

Registration date: **2011-09-17, 1390/06/26**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-09-17, 1390/06/26

Registrant information

Name

Shohreh Movahedi

Name of organization / entity

Infertility center, Shariati hospital, Tehran university of medical science

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2008-06-30, 1387/04/10

Expected recruitment end date

2009-03-20, 1387/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Local injury to the endometrium does not improve the implantation rate in good responder patients undergoing in-vitro fertilization

Public title

Local injury to the endometrium does not improve the implantation rate in good responder patients undergoing in-vitro fertilization

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: infertile women aged 20- 39 years old

Exclusion criteria: FSH more than 11, presence of endometriosis or hypothalamic amenorrhea, presence of azospermia in spouse

Age

From **20 years** old to **39 years** old

Gender

Female

Phase

N/A

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
Tehran University of Medical Sciences

Street address
Enghelab sq- ghods st

City
Tehran

Postal code
164583583

Approval date
2011-06-11, 1390/03/21

Ethics committee reference number
90/123

Health conditions studied

1

Description of health condition studied
Female infertility

ICD-10 code
N97

ICD-10 code description
Female infertility

Primary outcomes

1

Description
implantation rate

Timepoint
after 40 days

Method of measurement
infertility test

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Endometrial biopsy by biopsy catheter (pipile) on 21st day of previous menstrual cycle with use of contraceptive pill before the IVF-ET treatment

Category
Treatment - Surgery

2

Description
Control group : No intervention

Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Infertility Center, Shariati Hospital, Tehran University of Medical Science,

Full name of responsible person
Infertility group

Street address
Shariati Educational , Research and Healthcare Center , the beginning of Jalal Al Ahmad High way

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tehran University of Medical Sciences

Full name of responsible person
Dr Ale yasin

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Shariati Educational, Research and Healthcare Center, the beginning of Jalal Al Ahmad High way

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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
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 Science

Full name of responsible person

Shohre Movahedi M.D

Position

Infertility-author

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Person responsible for updating data**Contact****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*