

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

Investigating the success rate of hysteroscopy and endometrial Scratching for Intravivro fertilization in Recurrent Implantation Failure case

Protocol summary

Summary

The aim of this study, is investigating the verification of endometrial scratching in infertile women candidate for Intravivro fertilization (IVF) with history of Recurrent Implantation Failure (RIF) referring to the infertility clinic Al-zahra hospital, Rasht during the years 2015-2017. In this study single blind (patients) is 114 infertile women, which they divided into two group went under hystroscopy (conrtol group), and one group went under the endometrial scratching in four direction with curet (intervention group) in luteal phase. Including criteria; women with more than two failure in IVF; less than 40 years old; FSH \leq 12 and normal ultrasonography and HSG. Excluding criteria; any endometrial lesion and lack of at least two good quality embryos. Study cases then the rate of positive BHCG, successful pregnancy, multiple pregnancy, abortion and live birth are evaluating.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201708081306N9**

Registration date: **2017-09-12, 1396/06/21**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-09-12, 1396/06/21

Registrant information

Name

Ziba Zahiri

Name of organization / entity

Guilan University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research-Guilan University of Medical Sciences

Expected recruitment start date

2017-08-23, 1396/06/01

Expected recruitment end date

2018-09-13, 1397/06/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the success rate of hysteroscopy and endometrial Scratching for Intravivro fertilization in Recurrent Implantation Failure case

Public title

Investigating the success rate of endometrial Scratching in infertillty and infertility treatment Failure

Purpose

Treatment

Inclusion/Exclusion criteria

Including criteria: infertile women with more than two failure in IVF; women less than 40 years old; FSH \leq 12; normal ultrasonography and HSG. Excluding criteria: any endometrial lesion in hysteroscopy (myoma, polyp, aserman, mulerian anomaly); lack of at least two good quality embryos; Ovarian hyperstimulation syndrome;

Progesterone>2

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: **114**

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

Ethics Committee of Guilan University of Medical Sciences

Street address

Vice Chancellor for Research-Guilan University of Medical Sciences, Gaz Square.

City

Rasht

Postal code

Approval date

2017-05-13, 1396/02/23

Ethics committee reference number

IR.GUMS.ERC.1396.54

Health conditions studied

1

Description of health condition studied

Infertility

ICD-10 code

N97.2

ICD-10 code description

Female infertility of uterine origin

Primary outcomes

1

Description

Occurring pregnancy

Timepoint

Two week after transfer

Method of measurement

BHCG \geq 200

Secondary outcomes

1

Description

Rate of abortion

Timepoint

Till 20 weeks pregnancy.

Method of measurement

Observation of bleeding

2

Description

Rate of multiple pregnancies

Timepoint

three weeks after positive pregnancy test

Method of measurement

Reporting in ultrasonography

3

Description

Rate of successful pregnancy

Timepoint

Three weeks after positive pregnancy test

Method of measurement

Observation of pregnancy sac and Fetal Heart in ultrasonography

4

Description

Rate of live birth

Timepoint

After the gestational age of 20 weeks.

Method of measurement

Observation

Intervention groups

1

Description

Hysteroscopy in control group

Category

Treatment - Surgery

2

Description

Endometrial scratching (Curt drag quadrant endometrial) and hysteroscopy in intervention group

Category

Treatment - Surgery

Reproductive Health Research Center, Alzahra hospital, Namjo street.

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra hospital

Full name of responsible person

Dr. Farnoush Farzi

Street address

Alzahra hospital, Namjoo street.

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research-Guilan University of Medical Sciences

Full name of responsible person

Dr. Shadman Nemati

Street address

Vice Chancellor for Research-Guilan University of Medical Sciences, Gaz Square.

City

Rasht

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-Guilan 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

Guilan university of Medical Sciences

Full name of responsible person

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Position

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Other areas of specialty/work

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Person responsible for scientific inquiries

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Position

Professor of Obstetrics & gynecology

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Person responsible for updating data

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Name of organization / entity

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Position

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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