Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

Investigating the success rate of hysteroscopy and endometrial Scratching for Intravitro 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 Intravitro 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≤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

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Name of organization / entity

Guilan University of Medical Sciences

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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 Intravitro 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≤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;

Progestrone>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 Committe of Guilan University of Medical Sciences

Street address
Vice Chancellor for Research-Guilan University of Medical Sciences, Gaz Squre.

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≥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 pregnnacy 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

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.
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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
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Person responsible for scientific inquiries

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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