

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

21 Jun 2026

### The Effect of Endometrial Scratch on the Results of Ovulation Induction Cycles in Patients with Recurrent Failure

#### Protocol summary

##### Study aim

Investigation of the Effects of Endometrial Scratch on the Outcomes of Ovulation Induction Cycles in Patients with Recurrent Failure

##### Design

Clinical Trial on 45 Patients

##### Settings and conduct

In the present study, endometrial scratch is carried out in 45 women referred to Bam Infertility Clinic with at least three failed cycles of ovulation induction. The pregnancy rates will be reported and there is no control group. Data collection is carried out using a researcher-made checklist including demographic variables (age, occupation, history of previous medical conditions, duration of infertility) and research-specific variables including chemical pregnancy (BHCG level of higher than 200 within two weeks after a missed period), clinical pregnancy rate, pregnancy sac and fetal heart seen on ultrasound three weeks after BHCG test), and abortion (based on bleeding before the 20th week of pregnancy).

##### Participants/Inclusion and exclusion criteria

Infertile women with at least 3 failed ovulation induction cycles, Normal semen analysis, Between 15 and 40 years old, Ultrasound results indicating no uterine abnormalities and at least 10 antral follicles, No previous abdominal surgery, No severe PCO

##### Intervention groups

Endometrial scratch is performed by pipelle in patients referred to the infertility clinic, meeting inclusion criteria on days 21-26 of menstrual cycles.

##### Main outcome variables

Clinical Pregnancy Rate, Chemical Pregnancy Rate, Abortion Rate

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20120207008948N2**

Registration date: **2021-10-16, 1400/07/24**

Registration timing: **registered\_while\_recruiting**

Last update: **2021-10-16, 1400/07/24**

Update count: **0**

##### Registration date

2021-10-16, 1400/07/24

##### Registrant information

###### Name

Sakineh Ebrahimipour

###### Name of organization / entity

Kerman University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 34 1322 2250

###### Email address

yasamin\_m@yahoo.com

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2021-08-23, 1400/06/01

##### Expected recruitment end date

2022-03-20, 1400/12/29

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The Effect of Endometrial Scratch on the Results of Ovulation Induction Cycles in Patients with Recurrent Failure

## Public title

Effect of Endometrial Scratch in Induction Ovulation Cycles

## Purpose

Treatment

## Inclusion/Exclusion criteria

### Inclusion criteria:

Infertile Women with at Least 3 Failed of Ovulation Induction Cycles Normal Semen Analysis Between 15 and 40 Years Old Age At Least 10 Antral Follicles Normal Ultrasonography of Uterine

### Exclusion criteria:

Endometrial Abnormality in Ultrasonography Less than 10 Antral Follicles in Ultrasonography Previous Abdominal Surgery

## 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: **45**

## Randomization (investigator's opinion)

N/A

## Randomization description

## Blinding (investigator's opinion)

Not blinded

## Blinding description

## Placebo

Not used

## Assignment

Single

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics committee of Bam University of Medical Sciences

##### Street address

Bam University of Medical Sciences, Khalije Fars Ave, Bam Town

##### City

Bam

##### Province

Kerman

##### Postal code

7661771967

#### Approval date

2021-08-10, 1400/05/19

#### Ethics committee reference number

IR.MUBAM.REC.1400.043

## Health conditions studied

### 1

#### Description of health condition studied

infertility

#### ICD-10 code

N97

#### ICD-10 code description

Female infertility

## Primary outcomes

### 1

#### Description

Chemical Pregnancy Rate

#### Timepoint

2 Weeks After Missed Period

#### Method of measurement

Blood Beta HCG

## Secondary outcomes

### 1

#### Description

Clinical Pregnancy Rate

#### Timepoint

3 Weeks After Positive Blood Beta HCG

#### Method of measurement

Ultrasonography

## Intervention groups

### 1

#### Description

Intervention Group: In infertile women with at least three periods of unsuccessful ovulation induction, endometrial scratch is performed by the pipelle in the second half of the menstrual cycle on days 21-26, and the success rate of pregnancy in the next cycle is evaluated.

#### Category

Treatment - Devices

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Bam Infertility Center

##### Full name of responsible person

Dr. Yasamin Mehrolhasani

##### Street address

Pasargad Clinic, Emam Khomeini St, Bam Town

##### City

Bam

##### Province

Kerman

**Postal code**  
7661741733  
**Phone**  
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yasamin\_m@yahoo.com

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**  
Bam University of Medical Sciences  
**Full name of responsible person**  
Dr Maziar Oveisi  
**Street address**  
Bam University of Medical Sciences, Khalije Fars Ave,  
Bam Town  
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+98 34 4434 0847  
**Email**  
info@mubam.ac.ir

#### Grant name

**Grant code / Reference number**

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

Yes

#### Title of funding source

Bam University of Medical Sciences

#### Proportion provided by this source

100

#### Public or private sector

Public

#### Domestic or foreign origin

Domestic

#### Category of foreign source of funding

*empty*

#### Country of origin

#### Type of organization providing the funding

Academic

## Person responsible for general inquiries

#### Contact

**Name of organization / entity**  
Bam University of Medical Sciences  
**Full name of responsible person**  
Dr Yasamin Mehrolhasani  
**Position**  
Professor  
**Latest degree**  
Subspecialist  
**Other areas of specialty/work**

Gynecology and Obstetrics

#### Street address

Pastor Hospital, Hashemi Rafsanjani Blvd, Bam Town

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## Person responsible for scientific inquiries

#### Contact

#### Name of organization / entity

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#### Position

Professor

#### Latest degree

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#### Other areas of specialty/work

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## Person responsible for updating data

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#### Other areas of specialty/work

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#### Postal code

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**Email**

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## Sharing plan

**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

**Study Protocol**

Undecided - It is not yet known if there will be a plan to make this available

**Statistical Analysis Plan**

Undecided - It is not yet known if there will be a plan to make this available

**Informed Consent Form**

Undecided - It is not yet known if there will be a plan to make this available

**Clinical Study Report**

Undecided - It is not yet known if there will be a plan to make this available

**Analytic Code**

Undecided - It is not yet known if there will be a plan to make this available

**Data Dictionary**

Undecided - It is not yet known if there will be a plan to make this available