

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effect of cervical mucus aspiration on clinical pregnancy rate before embryo transfer

Protocol summary

Summary

One of the most important steps in ART is embryo transfer. Cervical mucus can influence on implantation. Transfer technique is as effective as embryo quality. Also cervical mucus aspiration may induce better implantation but cervical irritation within aspiration can increase uterine contractions and decrease implantation. The aim of this study is evaluation of mucus aspiration on implantation rate and clinical pregnancy. Method: In a clinical trial 120 infertile women with male factor infertility were divided into two groups randomly. In one group, before embryo transfer cervical mucus aspiration were done by Mucat catheter. Pregnancy rate was determined with β hCG titer 12 days after transfer and compared between two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201201168750N1**

Registration date: **2012-09-17, 1391/06/27**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-09-17, 1391/06/27

Registrant information

Name

Roya Kabodmehri

Name of organization / entity

Hamedan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1827 7082

Email address

r.kabodmehri@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Hamedan University of Medical Sciences

Expected recruitment start date

2011-09-23, 1390/07/01

Expected recruitment end date

2012-08-22, 1391/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of cervical mucus aspiration on clinical pregnancy rate before embryo transfer

Public title

Effect of cervical mucus aspiration on clinical pregnancy rate before embryo transfer

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Infertile women with male factor infertility. Exclusion criteria: Infertile women with women factor infertility.

Age

From **18 years** old to **35 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 120

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

Hamedan university of medical sciences

Street address

Hamedan university of medical sciences, Shahid Fahmide Blvd

City

Hamedan

Postal code

Approval date

2011-10-03, 1390/07/11

Ethics committee reference number

2659/9/35/16/د/پ

Health conditions studied

1

Description of health condition studied

Male factor infertility

ICD-10 code

N46

ICD-10 code description

Azoospermia NOS Oligospermia NOS

Primary outcomes

1

Description

Clinical pregnancy

Timepoint

12 day after embryo transfer

Method of measurement

Measurement of Bhcg

Secondary outcomes

empty

Intervention groups

1

Description

Cervical mucus was aspirated in 60 patients before embryo transfer

Category

Other

2

Description

No intervention

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Infertility clinic

Full name of responsible person

Roya Kabodmehri

Street address

Fatemye hospital

City

Hamedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

vice chancellor for research of Hamedan University of Medical Sciences

Full name of responsible person

Dr. Heydar Tavailani

Street address

Shahid Fahmideh

City

Hamedan

Grant name

4100000

Grant code / Reference number

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

Yes

Title of funding source

vice chancellor for research of Hamedan 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

+98 81 1827 7012

Fax
Email
rabiee sogol@yahoo.com rabiei@umsha.ac.ir
Web page address

Person responsible for general inquiries

Contact

Name of organization / entity
Hamedan university of Medical Sciences
Full name of responsible person
Dr. Heydar Tavilani
Position
Vice chancellor for research
Other areas of specialty/work
Street address
Hamedan university of Medical Sciences
City
Hamedan
Postal code
65178/518
Phone
+98 81 1838 0130
Fax
Email
vc-research@umsha.ac.ir m_research@umsha.ac.ir
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Hamedan university of Medical Sciences
Full name of responsible person
Roya Kabodmehri
Position
student
Other areas of specialty/work
Street address
Fatemye hospital
City
Hamedan
Postal code
Phone
+98 81 1827 7012
Fax
Email
r.kabodmehri@umsha.ac.ir
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Dr. Soghra Rabiee
Position
infertilitist
Other areas of specialty/work
Street address
Fatemye hospital
City
Hamedan
Postal code
Phone

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