

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The effect of misoprostol on removal endometrial polyp

Protocol summary

Study aim

The effect of misoprostol on removal endometrial polyp

Design

A non-randomized control trial, without control group,
Phase 2, 30 patients

Settings and conduct

30 infertile women will be diagnosed with the primary endometrial polyp using vaginal sonography with color doppler. Saline infusion sonography will be performed for the confirmation of the diagnosis. After that patients will receive misoprostol. A repeated vaginal sonography with color doppler will perform 8 hours later. Hysteroscopy will perform for all patients to evaluate the treatment effect of misoprostol.

Participants/Inclusion and exclusion criteria

Infertile women with endometrial polyp

Intervention groups

Misoprostol administration for women with endometrial polyp

Main outcome variables

Endometrial polyp removal

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200305046702N2**

Registration date: **2020-10-31, 1399/08/10**

Registration timing: **registered_while_recruiting**

Last update: **2020-10-31, 1399/08/10**

Update count: **0**

Registration date

2020-10-31, 1399/08/10

Registrant information

Name

Zhhreh Pezeshkpour

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 35 3824 7085

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-07-22, 1399/05/01

Expected recruitment end date

2020-11-21, 1399/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of misoprostol on removal endometrial polyp

Public title

Misoprostol and endometrial polyp

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Endometrial polyp in normal saline sonography Infertility
45>=Age>=18

Exclusion criteria:

Uterus malformation Sensitivity to prostaglandin analogs

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

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 Yazd Reproductive Sciences Institute.

Street address

Bouali Ave, Safayieh

City

Yazd

Province

Yazd

Postal code

8916877391

Approval date

2020-07-19, 1399/04/29

Ethics committee reference number

IR.SSU.RSI.REC.1399.010

Health conditions studied**1****Description of health condition studied**

Endometrial polyp

ICD-10 code

N97.2

ICD-10 code description

Female infertility of uterine origin

Primary outcomes**1****Description**

Endometrial polyp removal

Timepoint

8 hours after misoprostol administration

Method of measurement

Vaginal sonography, hystroscopy

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: Each patient receive two tablets of 200 microgram misoprostol (cytotec) in the manner 200 microgram vaginal and 200 microgram oral at the same time. After eight hours each patient evaluate by transvaginal sonography with color doppler in terms of removal endometrial polyp.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Yazd Reproductive Sciences Institute

Full name of responsible person

Abbas Aflatoonian

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Yazd University of Medical Sciences

Full name of responsible person

Masoud Mirzaiee

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Web page address

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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

Yazd 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

Yazd University of Medical Sciences

Full name of responsible person

Zohreh Pezeshkpour

Position

Fellowship student

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

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Person responsible for updating data

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Latest degree

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

The data could be shared after de--identification
When the data will become available and for how long
Data could be available 1 year after publication
To whom data/document is available
Researchers in scientific institutes or universities
Under which criteria data/document could be used

No one
From where data/document is obtainable
Email
What processes are involved for a request to access data/document
As soon as the researchers request to have the data
Comments