

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Comparison of therapeutic effect of suction curettage and resectoscopy in women with cesarean scar pregnancy

Protocol summary

Study aim

Comparison of the therapeutic effect of suction curettage and resectoscopy in Cesarean Scar Pregnancy

Design

This phase 3 clinical trial with a control group, with parallel groups, randomized using the Random allocation rule is performed on 60 patients.

Settings and conduct

This randomized clinical trial study is performed on 60 women with Cesarean Scar Pregnancy in Yas Hospital. The sampling method is convenient.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Patient with stable hemodynamic conditions and 18 to 55 years. Criteria for not entering: Withdraw to participation.

Intervention groups

In the curettage suction group, the cervix is opened using a special instrument to pass through a hysteroscope and other necessary instruments. In hysteroscopy, a telescope-like device is inserted into the cervix through the cervix. The doctor then examines the uterus and uterine walls. This device enters the lower part of the uterus through the cervical canal. Carbon dioxide gas or certain solutions are then transferred to the uterine cavity. This gas or solution opens the uterine cavity and enables the doctor to thoroughly examine the inside of the uterus. Then his surgery is performed under the guidance of abdominal ultrasound with hysteroscopy. In the resectoscopy hysteroscope group, cervical preparation is performed with cervical softening suppositories before surgery. Unipolar or bipolar cutter energy is used for tissue cutting. Fluids are used to fill the uterine cavity. In this method, the patient undergoes ultrasound, hysteroscopy and resectoscopy of ectopic pregnancy.

Main outcome variables

BHCG titration, Hemoglobin level, Number of hospitalization days

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20150105020558N4**

Registration date: **2022-03-26, 1401/01/06**

Registration timing: **prospective**

Last update: **2022-03-26, 1401/01/06**

Update count: **0**

Registration date

2022-03-26, 1401/01/06

Registrant information

Name

Mahbod Ebrahimi

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8882 7794

Email address

maebrahimi@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-05-05, 1401/02/15

Expected recruitment end date

2023-05-05, 1402/02/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of therapeutic effect of suction curettage and resectoscopy in women with cesarean scar pregnancy

Public title

The therapeutic effect of suction curettage and resectoscopy in cesarean scar pregnancy

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Patient with stable hemodynamic conditions Patient age 18 to 55 years

Exclusion criteria:

Withdraw to participation

Age

From **18 years** old to **55 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Random allocation rule: First, 30 letters A and 30 letters B are written on special papers that are not marked inside. Then all of them are placed in a bag and for each patient, after obtaining informed consent, a paper is removed randomly and without replacement, and based on the letter written on it, the desired intervention is performed for the patient. In addition, interventions A (curettage suction) or B (hysteroscope resectoscopy) are determined by a lot.

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**

Ethical Commette of Tehran University OF Medical Sciences

Street address

Ethics committee of Tehran University of Medical Sciences, School of Medicine, Pour Sina Ave., Qods

Blvd.

City

Tehran

Province

Tehran

Postal code

1598718311

Approval date

2022-02-21, 1400/12/02

Ethics committee reference number

IR.TUMS.MEDICINE.REC.1400.1397

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

Ectopic pregnancy

ICD-10 code

O00

ICD-10 code description

Ectopic pregnancy

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

BHCG titration

Timepoint

Several times, 48 hours after surgery, then once a week until it is negative

Method of measurement

Blood sampling

2**Description**

Hemoglobin level

Timepoint

Twice, 6 hours and 12 hours after surgery

Method of measurement

Blood sampling

Secondary outcomes**1****Description**

Number of hospitalization days

Timepoint

Once, at the end of the hospitalization

Method of measurement

With patient' s medical records

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

Intervention group: In the curettage suction group, the

patient is placed under local anesthesia or light general anesthesia with a mask. After anesthesia, the cervix is opened using a special instrument to pass through a hysteroscope and other necessary instruments. In hysteroscopy, a telescope-like device is inserted into the cervix through the cervix. The doctor then examines the uterus and uterine walls. This device enters the lower part of the uterus through the cervical canal. Carbon dioxide gas or certain solutions are then transferred to the uterine cavity. This gas or solution opens the uterine cavity and enables the doctor to thoroughly examine the inside of the uterus. Then his surgery is performed under the guidance of abdominal ultrasound with hysteroscopy.

Category

Treatment - Surgery

2

Description

Intervention group: In the resectoscopy hysteroscope group, cervical preparation is performed with cervical softening suppositories before surgery. Unipolar or bipolar cutter energy is used for tissue cutting. Fluids are used to fill the uterine cavity. In this method, the patient undergoes ultrasound, hysteroscopy and resectoscopy of ectopic pregnancy.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Yas Hospital

Full name of responsible person

Mahbod Ebrahimi

Street address

Yas Hospital, Ostad Nejatollahi Ave., Karimkhan Blvd.

City

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Phone

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Email

maeb214@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Mahbod Ebrahimi

Street address

Yas hospital, Next to the sarv street , North

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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

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Mahbod Ebrahimi

Position

Associate professor

Latest degree

Subspecialist

Other areas of specialty/work

Gynecology and Obstetrics

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Person responsible for scientific

inquiries

Contact

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Person responsible for updating data

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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

Not applicable

Title and more details about the data/document

All data is potentially shareable after unidentified participants.

When the data will become available and for how long

After the manuscript is published.

To whom data/document is available

No limitations.

Under which criteria data/document could be used

The data is only available to the project manager, Dr. Ebrahimi, and any analysis must be done with her opinion.

From where data/document is obtainable

Dr. Ebrahimi.

What processes are involved for a request to access data/document

Any request must be sent through e-mail and accompanied by a proposal with an ethics code under the supervision of Dr. Ebrahimi.

Comments