

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation of the effects of Indometacin suppository on decreasing of abortion in multi fetal pregnancy for fetal reduction

Protocol summary

Study aim

Determine the efficacy of indomethacin in reducing abortion In operations of the reduction of embryos in multiple pregnancies

Design

Two arm parallel group randomized trial with control group not blinded and 45 participation in each group

Settings and conduct

study setting is Yas hospital of Tehran University of Medical Sciences in 2018. Balanced block randomization were used to allocate subjects to mentioned groups and finally 45 patients were assigned to each group.

Participants/Inclusion and exclusion criteria

Mothers with multiple pregnancies in the first trimester of pregnancy; Having the consent to participate in the study; Not a history of allergy to indomethacin

Intervention groups

Intervention group: indomethacin suppository 50 mg was given anal for mother for half an hour before embryo reduction. Control group: without any intervention

Main outcome variables

The effect on abortion in operations of the reduction of embryos

General information

Reason for update

Acronym

TFRS

IRCT registration information

IRCT registration number: **IRCT20190113042349N1**

Registration date: **2019-03-09, 1397/12/18**

Registration timing: **registered_while_recruiting**

Last update: **2019-03-09, 1397/12/18**

Update count: **0**

Registration date

2019-03-09, 1397/12/18

Registrant information

Name

Zahedeh Kamali Taghavi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2209 8553

Email address

z_kamalit@razi.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-01-21, 1397/11/01

Expected recruitment end date

2019-04-21, 1398/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effects of Indometacin suppository on decreasing of abortion in multi fetal pregnancy for fetal reduction

Public title

Effect of Indometacin on abortion

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Women in first trimester pregnancy No allergy to Indometacin Satisfaction to entry on study Multiple pregnancy

Exclusion criteria:

Allergy to Indometacin

Age

No age limit

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 90

Randomization (investigator's opinion)

Randomized

Randomization description

We used balance block randomization to devote participation in two groups.

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 approval for the study was obtained from the institutional review board of Tehran University

Street address

Keshavarz Blvd.

City

Tehran

Province

Tehran

Postal code

1417653761

Approval date

2017-12-06, 1396/09/15

Ethics committee reference number

IR.TUMS.MEDICINE.REC.1397.303

Health conditions studied

1

Description of health condition studied

Abortion

ICD-10 code

miscarriag

ICD-10 code description

miscarriage

Primary outcomes

1

Description

The effect of abortion in reduction of embryos of multiple pregnancies operation

Timepoint

21 day after intervention

Method of measurement

Research made questionnaire

2

Description

The effect on Pain

Timepoint

21 day after intervention

Method of measurement

Research made questionnaire

Secondary outcomes

1

Description

Timepoint

Method of measurement

Intervention groups

1

Description

Intervention group: Indomethacin suppository 50 mg, half an hour before fetus reduction via rectal, made in Toliddaroo Company

Category

Treatment - Drugs

2

Description

Control group: without any intervention

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Yas hospital

Full name of responsible person

Zahedeh Kamali Taghavi

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North Nejatollahi street

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Deputy of research and technology
Street address
Poursia Street
City
Tehran
Province
Tehran
Postal code
1417653761
Phone
+98 21 8163 3685
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zahedeh_kamali@yahoo.com
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
No
Title of funding source
Deputy of research and technology TUMS
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
Zahedeh Kamali Taghavi
Position
Student in obstetrics and gynecology
Latest degree
Medical doctor
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

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Email

Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

There is no more information

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not 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

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

Title and more details about the data/document

We do not decide share our documents

When the data will become available and for how long

We do not decide share our documents

To whom data/document is available

We do not decide share our documents

Under which criteria data/document could be used

We do not decide share our documents

From where data/document is obtainable

We do not decide share our documents

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

We do not decide share our documents

Comments