

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jul 2026

Evaluation of the effect of intrauterine injection of ciprofloxacin on chronic endometritis in patients recurrent implantation failure

Protocol summary

Study aim

Determining the effect of intrauterine injection ciprofloxacin on chronic endometritis in patients with repeated implantation failure.

Design

This one-sided blind clinical trial study will be conducted in the form of a before and after comparison (without a control group) on 30 infertile women with an unknown cause of endometritis referring to Hajar Shahrekord Hospital. The antibiotic regimen of doxycycline every 12 hours for 21 days and metronidazole 500 mg every 12 hours for 14 days will continue. In the next menstrual period, sampling will be done, in case of chronic endometritis, ciprofloxacin infusion solution with a concentration of 200 mg/100 ml in the form of 3 ml intrauterine infusion every 3 days using a 23 cm fetal replacement catheter. meter will be done. Therefore, the treatment cycle will be set for a period of one month including 10 infusions

Settings and conduct

This study infertile women suffering from endometritis with an unknown cause referred to Hajar Shahrekord Hospital in 1402-1401, in order to evaluate the effect of intrauterine injection ciprofloxacin on Chronic endometritis are studied.

Participants/Inclusion and exclusion criteria

Women with chronic endometritis At least 3 failed embryo transfers Having informed consent

Intervention groups

Ciprofloxacin infusion solution of 200 mg/100 ml every 3 days via a 23 cm fetal replacement catheter in the form of a 3 ml intrauterine infusion

Main outcome variables

Reducing endometritis, Increasing the chance of fertility

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230111057108N1**

Registration date: **2023-02-12, 1401/11/23**

Registration timing: **prospective**

Last update: **2023-02-12, 1401/11/23**

Update count: **0**

Registration date

2023-02-12, 1401/11/23

Registrant information

Name

Farzaneh Ahmadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 8670 5503

Email address

nemati.m@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-02-20, 1401/12/01

Expected recruitment end date

2023-06-21, 1402/03/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of intrauterine injection of ciprofloxacin on chronic endometritis in patients recurrent implantation failure

Public title

Evaluation of the effect of intrauterine injection of ciprofloxacin on chronic endometritis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Informed consent to participate in the study
Women with chronic endometritis with embryo transfer failure
Confirmation of infection using histology and hysteroscopy
At least 3 with unsuccessful embryo transfer without genetic, metabolic or endocrine causes

Exclusion criteria:

Hypersensitivity to doxycycline and ciprofloxacin
Unwillingness to continue participating in the study

Age

No age limit

Gender

Female

Phase

3

Groups that have been masked

- Data analyser

Sample size

Target sample size: 30

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

The data before and after the intervention are unknown to the analyzer.

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shahrekord University of Medical Sciences

Street address

Kashani street

City

Shahre kord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

۸۸۱۳۸۳۳۴۳۵

Approval date

2022-04-13, 1401/01/24

Ethics committee reference number

IR.SKUMS.MED.REC.1401.012

Health conditions studied

1

Description of health condition studied

Endometritis - Recurrent implantation failure

ICD-10 code

N80.0

ICD-10 code description

Endometriosis of uterus

Primary outcomes

1

Description

Reduction of histological symptoms related to endometritis

Timepoint

Before and one month after receiving the medicine

Method of measurement

Laboratory (mild-moderate-severe)

Secondary outcomes

1

Description

Increase the chance of fertility

Timepoint

After receiving the medicine

Method of measurement

Fertility percentage

Intervention groups

1

Description

Intervention group: The antibiotic regimen of drsoxycycline every 12 hours for 21 days and metronidazole 500 mg every 12 hours for 14 days will continue. In the next menstrual period, sampling will be done, in case of chronic endometritis, ciprofloxacin infusion solution with a concentration of 200 mg/100 ml in the form of 3 ml intrauterine infusion every 3 days using a 23 cm fetal replacement catheter. meter will be done. Therefore, the treatment cycle will be set for a period of one month including 10 infusions

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Hajar Shahrekord Hospital
Full name of responsible person
Farzaneh Ahmadi
Street address
Nurse St., Hajar Hospital
City
Shahre kord
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Full name of responsible person
Farzaneh Ahmadi
Position
Resident
Latest degree
Medical doctor
Other areas of specialty/work
Gynecology and Obstetrics
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+98 38 3222 0016
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nemati.m@skums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahre-kord University of Medical Sciences
Full name of responsible person
Elham Raeisi
Street address
Kashani street
City
Shahre kord
Province
Chahar-Mahal-va-Bakhtiari
Postal code
8813833435
Phone
+98 38 3222 0016
Email
nemati.m@skums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahre-kord 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
Shahre-kord University of Medical Sciences

Person responsible for scientific inquiries

Contact

Name of organization / entity
Shahre-kord University of Medical Sciences
Full name of responsible person
Farzaneh Ahmadi
Position
Resident
Latest degree
Medical doctor
Other areas of specialty/work
Gynecology and Obstetrics
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Person responsible for updating data

Contact

Name of organization / entity
Shahre-kord University of Medical Sciences
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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