

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Intrauterine infusion of autologous platelet-rich plasma in women with Asherman's syndrome

Protocol summary

Study aim

The aim of the study is to investigate an effect of PRP on endometrial growth and regeneration in subjects with Asherman syndrome.

Design

Clinical trial, parallel control group, non-randomized

Settings and conduct

A clinical trial study with control group and non-randomized.

Participants/Inclusion and exclusion criteria

Inclusion criteria intrauterine adhesion according to 3D sonography; sonohysterography; hysterosalpingography; hysteroscopy. Excluding criteria: unsatisfaction; age more than 50; weight more than 100 kg; menopause; pregnancy; malignancy; coagulopathy.

Intervention groups

For this study, a questionnaire was designed which include demographic data, Lab & check up results before and after treatment. After getting consent, data will be gathered by questionnaire the cases will undergo hysteroscopy and intrauterine adhesion will be determined by ASRM score. 2 days after hysteroscopy 10 ml of PRP will be injected in the uterine cavity but no injection will be done in control group. All the cases and controls were undergone diagnostic hysteroscopic for 4 to 6 weeks after the intervention to evaluate intrauterine adhesion by ASRM score.

Main outcome variables

Adhesion scoring

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20110509006420N17**

Registration date: **2018-08-02, 1397/05/11**

Registration timing: **registered_while_recruiting**

Last update: **2018-08-02, 1397/05/11**

Update count: **0**

Registration date

2018-08-02, 1397/05/11

Registrant information

Name

Maryam Eftekhari

Name of organization / entity

Yazd Research and Clinical Center for Infertility

Country

Iran (Islamic Republic of)

Phone

+98 35182470856

Email address

eftekhari@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-07-23, 1397/05/01

Expected recruitment end date

2018-10-23, 1397/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Intrauterine infusion of autologous platelet-rich plasma in women with Asherman's syndrome

Public title

Autologous platelet-rich plasma in women with Asherman's syndrome

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
All patients with Asherman's syndrome who have been diagnosed with ultrasound, sonography, hysteroscopy or hysteroscopy.

Exclusion criteria:
Severe cervical stenosis Coagulation disorders Mullerian anomaly systemic disorders

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

Gender
Female

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **30**

Randomization (investigator's opinion)
Not 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

Ethics Committee of Shahid Sadoughi University of Medical Sciences, Yazd

Street address

Bouali Avenue

City

YAZD

Province

Yazd

Postal code

8916877391

Approval date

2018-06-22, 1397/04/01

Ethics committee reference number

IR.SSU.MEDICINE.REC.1396.256

Health conditions studied

1

Description of health condition studied

Asherman Syndrome

ICD-10 code

N85.6

ICD-10 code description

Intrauterine synechiae

Primary outcomes

1

Description

Adhesion scoring

Timepoint

4 to 6 weeks after hysteroscopy

Method of measurement

With hysteroscopy & ASRM score

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Releasing adhesions and injections of 1 cc PRP(platelets reached plasma) into the uterine cavity.

Category

Treatment - Surgery

2

Description

Control group: Hysteroscopy and adhesion releasing

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Reasech and Clinical Center for Infertility

Full name of responsible person

Maryam Eftekhari

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

DR.Mohammad Reza Mirjallili

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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

Maryam Eftekhari

Position

Associate Professor

Latest degree

Medical doctor

Other areas of specialty/work

Gynecology and Obstetrics

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Latest degree

Medical doctor

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Latest degree

Medical doctor

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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

Because of the privacy of patients

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available	After publishing article.for 5 years
Informed Consent Form	To whom data/document is available
Yes - There is a plan to make this available	Researchers working in academic institutions
Clinical Study Report	Under which criteria data/document could be used
Yes - There is a plan to make this available	Use in retrospective study
Analytic Code	From where data/document is obtainable
Yes - There is a plan to make this available	Yazd reasearch and clinical center for infertility
Data Dictionary	What processes are involved for a request to access data/document
Yes - There is a plan to make this available	Request from the Research Deputy, submitted to the Research Council of the Center if the request accepts its referral to the security and after completion of the relevant forms, request is referred to the research experts and then get the data
Title and more details about the data/document	Comments
Study protocol,Statistical Analysis Plan,Informed Consent Form,Informed Consent Form and Analytic Code will be available.	
When the data will become available and for how long	