

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

Evaluation of the effect of the acupuncture on the success of in vitro fertilization in infertile women

Protocol summary

Study aim

Considering the effectiveness of acupuncture in the treatment of infertility, this study survey the effect of acupuncture on fertility in infertile women treated with in vitro fertilization in Shiraz's mother and child's hospital.

Design

The control group (n = 62), the acupuncture group 1 (62) and the acupuncture group 2 (62 patients), were randomized, double-blind, randomized

Settings and conduct

The present study was conducted as a prospective clinical trial on 186 infertile women. They were referred to maternal and child hospital of Shiraz University of Medical Sciences. Individuals in one group (62 patients) received acupuncture 25 minutes before embryo transfer (ACU1 group). In another group (62 subjects), acupuncture was given 25 minutes before and 25 minutes after embryo transfer (ACU2). The third group (n = 22) was the control group. The effects of interventions on fertility were evaluated by performing a pregnancy test.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Age between 20-50 years, Infertile women undergoing in vitro fertilization treatment, Patient satisfaction. Exclusion criteria : Dissatisfaction with the patient.

Intervention groups

Individuals in one group (62 patients) received acupuncture 25 minutes before embryo transfer (Acupuncture1). In another group (62 patients) acupuncture was given 25 minutes before and 25 minutes after embryo transfer (acupuncture2). The third group was control (n = 62). The effect of interventions on pregnancy rate was assessed 4-8 weeks after embryo transfer by performing a pregnancy test.

Main outcome variables

Comparison of pregnancy rate after intervention was considered for the initial outcome of the study.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20150511022206N4**

Registration date: **2018-02-13, 1396/11/24**

Registration timing: **registered_while_recruiting**

Last update: **2018-02-13, 1396/11/24**

Update count: **0**

Registration date

2018-02-13, 1396/11/24

Registrant information

Name

Alamtaj Samsami

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3227 9715

Email address

samsamia@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Shiraz University of Medical Sciences

Expected recruitment start date

2017-04-21, 1396/02/01

Expected recruitment end date

2018-04-21, 1397/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of the acupuncture on the success of in vitro fertilization in infertile women

Public title

Effect of acupuncture on fertility in infertile women

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Infertile women with aged between 20-50 years undergoing IVF treatment

Exclusion criteria:

Age

From **20 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **186**

Randomization (investigator's opinion)

N/A

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 Shiraz University of Medical Sciences

Street address

Building of Shiraz University Of Medical Science, Zand Street, Shiraz

City

Shiraz

Province

Fars

Postal code

1433671348

Approval date

2015-04-19, 1394/01/30

Ethics committee reference number

IR.SUMS.1394.20

Health conditions studied

1

Description of health condition studied

Female infertility

ICD-10 code

N97

ICD-10 code description

Inability to achieve a pregnancy sterility, female NOS

Primary outcomes

1

Description

Comparison of pregnancy rate after intervention.

Timepoint

4-8 weeks after embryo transfer.

Method of measurement

Pregnancy test.

Secondary outcomes

empty

Intervention groups

1

Description

Acupuncture was performed in 124 patients 25 min before and after ET

Category

Treatment - Other

2

Description

Control group: 62 patients embryo transfer was performed without acupuncture.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shiraz Ghadir Mother and Child Subspecialized Hospital

Full name of responsible person

Zeynab Kanannejad

Street address

Emam-Reza blvd, Shiraz Ghadir Mother and Child Subspecialized Hospital

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71348-44119

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nabarresh1@sums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr Basir Hashemi

Street address

Building of Shiraz University of Medical Sciences,
Zand Ave

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hashemib@sums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Zeynab Kanannejad

Position

Resident of gynecology and obstetrics

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

Street address

Department of obstetrics and gynecology, Shahid

Faghihi Hospital, Zand St, Shiraz, Iran

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s.kharati@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr Alamtaj Samsami

Position

Professor

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

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Web page address

Person responsible for updating data

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Sara Kharati

Position

Expert infertility research center

Latest degree

Bachelor

Other areas of specialty/work

Occupational Health

Street address

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Web page address**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

Yes - There is 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

Title and more details about the data/document

Completion of Ethic form

When the data will become available and for how long

After completing the project

To whom data/document is available

Patient or guardian

Under which criteria data/document could be used

Notice the result of the treatment

From where data/document is obtainable

Department of obstetrics and gynecology, Shahid Faghihi Hospital

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

Request a letter to the research vice president

Comments