Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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)

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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 pregnancysterility, 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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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shiraz University of Medical Sciences

Full name of responsible person
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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
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

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Professor

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Specialist

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Gynecology and Obstetrics

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Person responsible for updating data

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Name of organization / entity
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Full name of responsible person
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Position
Expert infertility research center

Latest degree
Bachelor

Other areas of specialty/work
Occupational Health

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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
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