

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

Effect of fatherhood teaching attachment on the rate of mother fetus-neonate attachment and parents anxiety in primiparous pregnant women referred to Hospital affiliated to Shiraz University of Medical Sciences in 1391

Protocol summary

Summary

Mental health during pregnancy has important effect on fetus growing and babies future adaptation. This is a clinical trial research. Participants were 150 first pregnant women between 28-34 weeks, who were recruited from simple sampling method. Participants in the 2 groups include control group and behavioral attachment group. Behavioral attachment group received an intervention that included four sessions of 90 minute classes weekly for expectant father include paternal fetal attachment, maternal fetal attachment, training and maternal -fetal interactive activities. The woman in control group received routine prenatal care only. Instruments were used in this study included information form, maternal -fetal attachment, paternal -fetal attachment, State- trait anxiety inventory. Observation of maternal fetal attachment in first breast feeding. Data was analyzed by tests such as: Chi-square test, one way analysis of variance. Inclusion criteria: primipar; age between 18-35; gestational age 28-34 weeks; normal pregnancy; single pregnancy; wanted pregnancy and low and moderate anxiety, father should have opportunity to participate in education classes and fill up writingsatisfaction for; age of fathers should be under 45 and their minimum education should be secondary school. Exclusion criteria: heart disease; mental disorder and complication in pregnancy such as vaginal bleeding, diabet, hypertention, preterm labor.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012091910886N1**

Registration date: **2013-01-23, 1391/11/04**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-01-23, 1391/11/04

Registrant information

Name

sara setodeh

Name of organization / entity

Nursing & Midwifery Faculty

Country

Iran (Islamic Republic of)

Phone

+98 71 1230 7856

Email address

setodehs@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz Univecity of Medical Sciences

Expected recruitment start date

2012-09-22, 1391/07/01

Expected recruitment end date

2012-11-21, 1391/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of fatherhood teaching attachment on the rate of mother fetus-neonate attachment and parents anxiety in primiparous pregnant women referred to Hospital affiliated to Shiraz University of Medical Sciences in 1391

Public title

Effect of fatherhood teaching attachment on the rate of mother fetus-neonate attachment and parents anxiety

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: primipar; age between 18-35 years; gestational age 28-34 weeks; normal pregnancy; single pregnancy; wanted pregnancy and low and moderate anxiety, father should have opportunity to participate in education classes and fill up writingsatisfaction for;age of fathers should be under 45 and their minimum education should be secondary school. Exclusion criteria: heart disease; mental disorder and complication in pregnancy such as vaginal bleeding, diabet, hypertention, preterm labor.

Age

From **18 years** old to **35 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **150**

Randomization (investigator's opinion)

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 Shiraz University Of Medical Sciences

Street address

Central department of Shiraz University Of Medical Sciences,Zand Street, Shiraz

City

Shiraz

Postal code

713451978

Approval date

2012-08-23, 1391/06/02

Ethics committee reference number

00987112122389

Health conditions studied

1

Description of health condition studied

anxiety

ICD-10 code

f41.1

ICD-10 code description

generalized anxiety disorder

2

Description of health condition studied

pregnancy

ICD-10 code

Z34

ICD-10 code description

suprvision of normal pregnancy

Primary outcomes

1

Description

Anxiety

Timepoint

At the start of intervention- After intervention

Method of measurement

Spielberger questionnaire

Secondary outcomes

1

Description

Maternal fetal attachment

Timepoint

At the start of intervention- After intervention

Method of measurement

Cranly questionnaire(MFA)

2

Description

Paternal fetal attachment

Timepoint

At the start of intervention- After intervention

Method of measurement

Cranly questionnaire(PFA)

Intervention groups

1

Description

Intervention group: teaching maternal fetal attachment and paternal fetal attachment techniques to expectant fathers for a month (4 section weekly). first section: to get familiar to attachment meaning and to get familiar with different kinds of attachment techniques. second section: general meaning of stress ,symptoms,ways to

control and relaxation meaning. 3th section: to get familiar with mental and physical changes in pregnancy.
4th section: to get familiar with paternal role to be connected with fetus

Category

Behavior

2

Description

Control group: the summary of whole teaching topics in the form of note afte the study will done.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Hafez Hospital

Full name of responsible person

Marziye Akbar Zade

Street address

Hafez Hospital, Abiverdi Squer

City

shiraz

2

Recruitment center

Name of recruitment center

Shoshtary hospital

Full name of responsible person

Khadije Abdali

Street address

Shooshtari Hospital, Shariaty Squer, Shiraz, Fars.

City

shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research, Shiraz University of Medical Sciences

Full name of responsible person

Dr. Gholam Reza Hatam

Street address

7th Flat, Central department of Shiraz University of Medical Sciences, Zand Street, Shiraz

City

Shiraz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for Research, Shiraz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Fatemeh College of Nursing And Midwifery, Shiraz University of Medical Sciences

Full name of responsible person

Marzieh Akbarzadeh

Position

Faculty Member, MSc in Midwifery

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Marzieh Akbarzadeh

Position

Faculty Member, MSc in Midwifery

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Person responsible for updating data

Contact

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University of Medical Sciences

Full name of responsible person

Sara Setodeh

Position

Student, MSc in Midwifery

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Postal code**Phone****Fax****Email**

setodehs@sums.ac.ir

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty