

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 2026

Studying the effect of teaching attachment behaviors to pregnant mothers on physical, psychological and motor development indicators of infant.

Protocol summary

Summary

198 pregnant women at 28 to 34 weeks, 18 to 40 years from Shiraz, low risk pregnancy, in Hafez Clinic will randomly be divided into two groups (case and control) with Random Allocation Block. Women in the case group will participate in an attachment behaviors class for 6 weeks (one class per week) and every week they will follow-up until the end of pregnancy. Then their babies at birth, one month and three months will be evaluated on physical, psychological and motor development through questionnaires by the researcher and will be compared with control infants. The results will be analyzed by SPSS software.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014042217393N1**

Registration date: **2014-06-29, 1393/04/08**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-06-29, 1393/04/08

Registrant information

Name

Akram Dokuhaki

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1622 0595

Email address

dokuhaki_a@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2014-02-17, 1392/11/28

Expected recruitment end date

2014-06-18, 1393/03/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Studying the effect of teaching attachment behaviors to pregnant mothers on physical, psychological and motor development indicators of infant.

Public title

The effect of attachment behaviors in pregnant mothers on infant.

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: (18-40 year old women; single pregnancy; from Shiraz; low risk; in 28-34 weeks)

Exclusion criteria: (missed pregnancy; preterm labor; congenital disorder in infant)

Age

From **18 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 198

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

Shiraz University of Medical Sciences

Street address

Zand, Shiraz, Iran

City

Shiraz

Postal code

Approval date

2014-01-18, 1392/10/28

Ethics committee reference number

92-6857

Health conditions studied

1

Description of health condition studied

attachment behavior

ICD-10 code

P00

ICD-10 code description

Fetus and newborn affected by maternal conditions that may be unrelated to present pregnancy

Primary outcomes

1

Description

mental health

Timepoint

0 and 3 month

Method of measurement

checklist

Secondary outcomes

1

Description

physical indicator

Timepoint

0-1-3 month

Method of measurement

meter-balance

2

Description

physical development

Timepoint

3 month

Method of measurement

DDST

3

Description

mental health

Timepoint

0-3 month

Method of measurement

checklist

Intervention groups

1

Description

attachment behavior

Category

Behavior

2

Description

without any intervention

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Hafez Hospital

Full name of responsible person

Marzie Akbarzade

Street address

Hafez hospital-Shiraz

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr Basir Hashemi

Street address

Zand, Shiraz, Iran

City

Shiraz

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

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**

Shiraz University of Medical Sciences

Full name of responsible person

Akram Dokuhaki

Position

master of education in midwifery

Other areas of specialty/work**Street address**

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Position

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Other areas of specialty/work**Street address**

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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