

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

26 Jun 2026

### Effect Of Training Program Based On Attachment Behaviors On The Acceptance Of Maternal Role In Adolescent Nulliparous Pregnant Women

#### Protocol summary

##### Study aim

Objective: The effect of educational program based on attachment behaviors on the acceptance of maternal role in adolescent primigravida pregnant

##### Design

In this research, 80 eligible people referring to the selected medical centers are selected. Participants are randomly divide into intervention and control groups.

##### Settings and conduct

In this study, adolescent primigravida pregnant women who are referred to the selected treatment centers in Tehran are attending three sessions of the training course for three consecutive weeks.

##### Participants/Inclusion and exclusion criteria

Participants including major eligibility criteria: Mothers aged 15-19; Single pregnancy; Gestational age between 28 and 32 week Exit Conditions: absence training courses for more than one session; occur unpleasant and affecting event on the psyche of mother; Death of fetus or newborn; Admission of the newborn in intensive care unit

##### Intervention groups

Intervention group, Individuals participate in educational program based on attachment behaviors on 3 consecutive weeks for 90 minutes. Control group, receive routine care at selected clinics.

##### Main outcome variables

Acceptance of Maternal Role ( maternal identity, Parenting sense of competence)

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20171026037022N3**

Registration date: **2018-03-07, 1396/12/16**

Registration timing: **retrospective**

Last update: **2018-03-07, 1396/12/16**

Update count: **0**

##### Registration date

2018-03-07, 1396/12/16

##### Registrant information

###### Name

Asiyeh Kaheh

###### Name of organization / entity

Faculty of Nursing and Midwifery

###### Country

Iran (Islamic Republic of)

###### Phone

+98 21 4608 5374

###### Email address

kaheei.a@tak.iums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice Chancellor for Research, Iran University of Medical Sciences

##### Expected recruitment start date

2017-08-23, 1396/06/01

##### Expected recruitment end date

2018-03-21, 1397/01/01

##### Actual recruitment start date

2017-08-23, 1396/06/01

##### Actual recruitment end date

2018-02-19, 1396/11/30

##### Trial completion date

empty

##### Scientific title

Effect Of Training Program Based On Attachment Behaviors On The Acceptance Of Maternal Role In Adolescent Nulliparous Pregnant Women

##### Public title

Effect of Training on Acceptance of Maternal Role

##### Purpose

Education/Guidance

**Inclusion/Exclusion criteria**

**Inclusion criteria:**  
Mothers aged 15-19 Single pregnancy Gestational age between 28 and 32 weeks

**Exclusion criteria:**  
Occur unpleasant and affecting event on the psyche of mother Death of Fetus or newborn Admission of the newborn in intensive care unit

**Age**  
From **15 years** old to **19 years** old

**Gender**  
Female

**Phase**  
N/A

**Groups that have been masked**  
*No information*

**Sample size**  
Target sample size: **80**  
Actual sample size reached: **73**

**Randomization (investigator's opinion)**  
Randomized

**Randomization description**  
The method of sampling in this study is available on a target-based basis and randomly assigned by binary block method in two groups of test and control. First, on the two cards, the numbers will be 1 and 2, then the qualified person will be asked to choose a card from the two cards. (Test group number 1 and control group number 2). Upon completion of the sampling, mothers will be placed in the selected clinics of prenatal care, in each of the groups of 10 who will be arranged in the initial drawing.

**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 Iran University of Medical Sciences

##### Street address

School of nursing and midwifery, Yasemi Rashid Street, Vali-asr Street, Tehran

##### City

Tehran

##### Province

Tehran

##### Postal code

1449614535

#### Approval date

2016-05-09, 1395/02/20

#### Ethics committee reference number

IR.IUMS.REC 1395.9311373023

## Health conditions studied

### 1

#### Description of health condition studied

Acceptance of Maternal Role

#### ICD-10 code

F69

#### ICD-10 code description

Unspecified disorder of adult personality and behavior

## Primary outcomes

### 1

#### Description

Maternal Identity

#### Timepoint

Before the intervention - Ten days after delivery

#### Method of measurement

Maternal Identity Questionnaire in the third trimester of pregnancy and postpartum

### 2

#### Description

Parenting Sense of Competence

#### Timepoint

Before the intervention - Ten days after delivery

#### Method of measurement

Parenting Sense of Competence scale

## Secondary outcomes

### 1

#### Description

Maternal - fetal attachment

#### Timepoint

Before Intervention - Ten Days After Childbirth

#### Method of measurement

Cranly Maternal-fetal attachment questionnaire

## Intervention groups

### 1

#### Description

Control group: The control group will receive routine care only.

#### Category

Other

**2**

**Description**

Intervention group: They will receive different training on attachment behaviors to the fetus for three consecutive weeks (three sessions - 90 minutes).

**Category**

Other

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Shahid Akbar Abadi Hospital

**Full name of responsible person**

Freshteh Jahdi

**Street address**

Shahid Akbar Abadi Hospital, Molavi Street, Tehran

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**Postal code**

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akbarabadihosp@yahoo.com

**2**

**Recruitment center**

**Name of recruitment center**

Lolagar Hospital

**Full name of responsible person**

Fereshteh Jahdi

**Street address**

Lolagar Hospital, Khosh street, Tehran

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**3**

**Recruitment center**

**Name of recruitment center**

Firoozgar Hospital

**Full name of responsible person**

Freshteh Jahdi

**Street address**

Firoozgar Hospital, Vali-e-Asr Square, Tehran

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h\_firoozgar@yahoo.com

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Iran University of Medical Sciences

**Full name of responsible person**

Morteza Naserbakht

**Street address**

Iran University of Medical Sciences, Next to Milad tower, Hemmat highway, Tehran

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PR@iums.ac.ir

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Iran 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**

Iran University of Medical Sciences

**Full name of responsible person**

Fereshte Jahdi

**Position**

Ph.D. Student

**Latest degree**

Master

**Other areas of specialty/work**

Midwifery

**Street address**

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**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Iran University of Medical Sciences

**Full name of responsible person**

Asiyeh Kaheh

**Position**

MSc student of Midwifery

**Latest degree**

Bachelor

**Other areas of specialty/work**

Midwifery

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Almas 2, mozafar Blvd, Shahid Baqeri Town, Tehran

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**Web page address****Person responsible for updating data****Contact****Name of organization / entity**

Iran University of Medical Sciences

**Full name of responsible person**

Fereshteh Jahdi

**Position**

Ph.D. student

**Latest degree**

Master

**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

**Study Protocol**

Yes - There is a plan to make this available

**Statistical Analysis Plan**

Not applicable

**Informed Consent Form**

Yes - There is a plan to make this available

**Clinical Study Report**

Yes - There is a plan to make this available

**Analytic Code**

Not applicable

**Data Dictionary**

Not applicable

**Title and more details about the data/document**

Demographic data, Parenting Sense Of Competence Scale and Maternal identity (information on the main outcome) We explain how to collect data and methodology We publish Informed consent Form We publish the results of the research

**When the data will become available and for how long**

Availability since 1399

**To whom data/document is available**

Researchers working in academic and scientific institutions.

**Under which criteria data/document could be used**

Use of research and research results in medical centers

**From where data/document is obtainable**

Refer the library of the Faculty of Nursing and Midwifery of Iran.

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

Refer the Library of the Faculty of Nursing and Midwifery of Iran.

**Comments**