

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

The effect of learning father's role on paternal-fetal attachment in men who are the first to become dad

Protocol summary

Study aim

Determining the effect of learning paternal role on paternal fetal attachment to first time fathers

Design

One clinical trial with control and intervention group, one blind (participants are not aware of the allocation to the intervention and control group), randomized, interventions for seven weeks in fifty one individuals in the intervention group

Settings and conduct

The study will be conducted as a clinical trial on 102 fathers whose husbands will be referred to comprehensive health centers for routine care. 51 Fathers will be randomly assigned to the control group and 51 other parents in the intervention group. Fathers will attend two face-to-face (In-person) training session and five-week not in-person (by smartphone) courses on paternal role, then they will be evaluated by the Cranelly and Weaver parental fetal attachment questionnaire at the beginning and end of the work.

Participants/Inclusion and exclusion criteria

Fathers await the first child whose wives will be referred to selected health care centers for routine pregnancy care at the gestational age of 28 to 32 weeks.

Intervention groups

The intervention group on paternal role (including attachment behaviors, marital relationships, modern paternity, self-knowledge, etc.) will be trained. Ultimately, the impact of educational sessions on the attachment score will be measured. The control group will not receive any training.

Main outcome variables

paternal fetal attachment

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190311043017N1**

Registration date: **2019-05-08, 1398/02/18**

Registration timing: **registered_while_recruiting**

Last update: **2019-05-08, 1398/02/18**

Update count: **0**

Registration date

2019-05-08, 1398/02/18

Registrant information

Name

Nadia Hajirahimi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 25 3285 4496

Email address

hajirahimi.n@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-04-21, 1398/02/01

Expected recruitment end date

2019-10-23, 1398/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of learning father's role on paternal-fetal attachment in men who are the first to become dad

Public title

The effect of learning father's role on paternal-fetal

attachment

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

All men who are the first to become dad
The first marriage
Living with spouse
Having a business
Planned pregnancy
It Have at least reading and writing skills
Access to smart phones

Exclusion criteria:

Presence of high-risk pregnancy on the basis of national guidelines
Having depression and a known psychological illness and use of antidepressants
According to Said the person himself
To be enrolled In physiological delivery classes
Addiction to alcohol and drugs
History of infertility

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **102**

Randomization (investigator's opinion)

Randomized

Randomization description

First, using the random numbers table, the sample size is selected from pregnant women of 28 to 32 weeks, then divided into two groups of intervention and control in closed packets. Of the 102 envelopes in the package, 51 of them are numbered 1 and 51 are the number 2. The packs are mixed together so that even the researcher does not know their content. Then the couples are asked to select the envelope, those with their envelopes containing the number 1 will be in the control group and the couples that have the number 2 in the group will intervene (we will pay attention to the fact that due to the different types of routine training given in each center and in order to match, be sure to have equal numbers of control and intervention from each center)

Blinding (investigator's opinion)

Single blinded

Blinding description

After couples choose the envelopes, the control group members receive only routine care and only participate in the previous and next examinations, but the intervention group receives the necessary training

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Urmia University of Medical Sciences

Street address

Emergency alley, Resalat Blvd, Urmia

City

Urmia

Province

West Azarbaijan

Postal code

5714783734

Approval date

2018-05-15, 1397/02/25

Ethics committee reference number

IR.UMSU.REC.1397.102

Health conditions studied

1

Description of health condition studied

paternal role

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

paternal-fetal attachment Score in Cranely & Weaver Questionnaire

Timepoint

Completion of Cranely & Weaver questionnaire at the beginning of the study (before the intervention) and the end of the intervention

Method of measurement

Cranely & Weaver's paternal fetal attachment Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Fathers present in the intervention group are divided into 3 groups of 17 people. The fathers will be trained in two sessions of two hours at the beginning and the end of the intervention about attachment to their fetus and their respective skills. In the intervals of these meetings, fathers will be trained on the paternal role for five weeks through a popular communication application in the country via

smartphones..

Category

Lifestyle

2

Description

Control group: The fathers of the control group will have only one session at the start of the intervention to complete the satisfaction(Consent form) and questionnaire, but they will receive no training. At the end of the intervention, the fathers of the control group will complete a questionnaire through a telephone call.

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Urmia comprehensive health centers

Full name of responsible person

NadiaHajirahimi

Street address

Facing the mosque Qaba., Shahid Beheshti Ave

City

Urmia

Province

West Azarbaijan

Postal code

44437 - 57159

Phone

+98 44 3346 6800

Email

phc_riasat@umsu.ac

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

Iraj Mohebi

Street address

Emergency alley, resalat Blvd, urmia

City

Urmia

Province

West Azarbaijan

Postal code

5714783734

Phone

+98 44 3223 4897

Email

library@umsu.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?

Yes

Title of funding source

Oroumia 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

Oroumia University of Medical Sciences

Full name of responsible person

NadiaHajirahimi

Position

Masters student

Latest degree

Bachelor

Other areas of specialty/work

Midwifery

Street address

Bostan dormitory., Zakir street

City

Urmia

Province

West Azarbaijan

Postal code

5716762575

Phone

+98 25 3285 4496

Email

hajirahimi.n@umsu.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

Nadia Hajirahimi

Position

Master student

Latest degree

Bachelor

Other areas of specialty/work

Midwifery

Street address

Kampozitapartment.No.9, Valiasr Ave., Qods Town

City

Qom

Province

Ghoum

Postal code
57167-62575
Phone
+98 25 3285 4496
Fax
Email
hajirahimi.n@umsu.ac.ir

Phone
+98 25 3285 4496
Fax
Email
hajirahimi.n@umsu.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Oroumia University of Medical Sciences
Full name of responsible person
Nadia Hajirahimi
Position
Master student
Latest degree
Bachelor
Other areas of specialty/work
Midwifery
Street address
Kampozitapartment.No.9, Valiasr Ave., Qods Town
City
Qom
Province
Ghoum
Postal code
57167-62575

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

Undecided - It is not yet known if there will be 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