Clinical Trial Protocol
Iranian Registry of Clinical Trials

19 Jun 2026

Comparison of the effect of postpartum care education through virtual and face-to-face education on women's satisfaction rate during the COVID-19 pandemic

Protocol summary

Study aim
Comparison of the effect of postpartum care education through virtual and face-to-face education on women's satisfaction rate

Design
A clinical trial with a control group with randomized parallel groups,on 108 participants who used block design metho, in the face-to-face training group; During the initial care (days 1-3), the trainings will be done individually and include all the usual puerperium care, and at the end of the trainings, an educational pamphlet will be provided to the samples

Settings and conduct
The content that presented in the intervention and control groups include routine postpartum recommendations; Which is based on the common problems of puerperium per week. In this study, the research environment is Shahrivar 17 and Abuzar Health Center in Ahvaz

Participants/Inclusion and exclusion criteria
Inclusion criteria,To give birth to a lively, healthy and term baby in a Normal Vaginal Delivery Single baby,Ability to work with PowerPoint training software and access WhatsApp and messenger,Do not take antidepressants or other specific medications during pregnancy and after childbirth,Have the ability to read and write ,Exclusion criteria,Cases leading to hospitalization, infant death or need for neonatal intensive care,History of depression or other specific illnesses,Having speech and hearing problems

Intervention groups
Intervention groups using block design randomization method (6 blocks of 3) are divided into three groups of virtual and face-to-face training and control group, in face-to-face training group; During the initial care (days 1-3), the trainings will be done individually and include all the usual puerperium care, and at the end of the trainings, an educational pamphlet will be provided to the samples.

Main outcome variables
satisfaction

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20220125053826N1**
Registration date: **2022-05-05, 1401/02/15**
Registration timing: **registered_while_recruiting**

Last update: **2022-05-05, 1401/02/15**
Update count: **0**

Registration date
2022-05-05, 1401/02/15

Registrant information

Name
Leila Raeisi

Name of organization / entity

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Iran (Islamic Republic of)

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2022-05-05, 1401/02/15

Expected recruitment end date
2022-10-07, 1401/07/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of postpartum care education through virtual and face-to-face education on women's satisfaction rate during the COVID-19 pandemic

Public title

Comparison virtual and face-to-face education on postpartum satisfaction

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

To give birth to a lively, healthy and term baby in a Normal Vaginal Delivery Single baby Ability to work with PowerPoint training software and access WhatsApp and Internet messenger Do not take antidepressants or other specific medications during pregnancy and after childbirth Have the ability to read and write and have at least a primary education degree

Exclusion criteria:

Cases leading to hospitalization, infant death or need for neonatal intensive care Receive care training from other groups History of depression or other specific illnesses Having speech and hearing problems

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **108**

Randomization (investigator's opinion)

Randomized

Randomization description

The size of the statistical sample is estimated based on statistical calculations of 108 people. Using block design randomization method (6 blocks of 3) and using a table of random numbers, sampling is done. In general, the samples are divided into three groups: virtual and face-to-face training and control group. A total of 36 people in the control group; And 36 people receive virtual training and 36 people receive face-to-face training over a period of 6 weeks. Thus, the samples were randomly divided into three intervention groups (including virtual training group and face-to-face training group) and control group. Thus, all possible modes for placing the letters A (virtual training), B (face-to-face training) and C (control group) in 6 blocks with a 1: 1 allocation ratio were considered and the required number of blocks based on the number of samples The case study was identified.Then, according to the required number of blocks and based on the table of random numbers, the blocks related to each table number were listed, respectively. Finally, when the samples were included in the study, each person took a specific letter in the order obtained. For example, according to the order (ABCACB \ BACBCA \ CABCBA), the seventh person was in the intervention group (A).In order to hide random allocation, the method of opaque sealed envelopes with random sequence was used. In this method, first, a random sequence was created by a table of random numbers and based on the sample size of the research (108 people), 108 opaque envelopes were prepared (in order not to clarify the contents of the envelope). Each random sequence created by a person who was unaware of the purpose and subject of the study was recorded on a card and the cards were placed in envelopes in order. In order to maintain a random sequence, the envelopes were numbered in the same way on the outer surface.Finally, the lids of the envelopes were glued and placed in a box, respectively. At the beginning of the sampling, the researcher, based on the order of entry of eligible participants into the study, one of the envelopes was opened in order and the specialized group of the participant was revealed. The person evaluating the outcomes and the person analyzing.

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 Ahvaz Jundishapur University of Medical Sciences

Street address

Ahvaz, University City, Vice Chancellor for Research and Technology, Jundishapur University of Medical Sciences and Health Services

City

Ahvaz

Province

Khouzestan

Postal code

61357-15794

Approval date

2021-12-11, 1400/09/20

Ethics committee reference number

IR.AJUMS.REC.1400.528

Health conditions studied

1

Description of health condition studied

Postpartum care education through virtual and face-to-face education

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Satisfaction score: This study includes a questionnaire of satisfaction with postpartum care education, which contains 20 questions and each item has 5 answers and is measured on a 5-point Likert scale. In total, the score of the questionnaire is a maximum of 100 points and a minimum of 20 points. If the score is 20-33 in the sense of dissatisfaction, the score is 34-47 in the sense of minimum satisfaction, the score is 48-60 in the sense of average satisfaction, the score is 61-73 in the sense of satisfaction and the score is 74-100 in the sense of complete satisfaction.

Timepoint

Before the intervention, days 1-3, 10-15, 30-42

Method of measurement

The current satisfaction questionnaire contains 20 questions and each item has 5 answers. On the Likert scale, 1 strongly disagrees to 5 strongly agrees, and scoring is based on the 5-point Likert scale for each phrase; It is as follows: Strongly Disagree: Score 1, Disagree: Score 2, Neither Agree nor Disagree: Score 3, Agree: Score 4, Strongly Agree: Score 5. In total, the score of the questionnaire is a maximum of 100 points and a minimum of 20 points. If the score is 20-33 in the sense of dissatisfaction, the score is 34-47 in the sense of minimum satisfaction, the score is 48-60 in the sense of average satisfaction, the score is 61-73 in the sense of satisfaction and the score is 74-100 in the sense of complete satisfaction.

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Intervention group: in the face-to-face training group; During the initial care (days 1-3), the trainings will be done individually and include all the usual puerperium care, and at the end of the trainings, an educational pamphlet will be provided to the samples. In the virtual training group, the same materials that were presented to the face-to-face training group are sent via WhatsApp for WhatsApp, one by one, using PowerPoint training software that contains text, audio, video and image, and can be changed according to the client's needs. Is. The duration of the trainings in the presented PowerPoints is 20 minutes, which is presented on certain days of the week and at certain times of the day with prior coordination.The trainings in the virtual group are divided into two parts. In the first part, the same ordinary materials that were taught to the face-to-face training group are sent in PowerPoint format and through WhatsApp individually (not in groups), and after sending the educational materials for review. Sample Feedback Samples are required to summarize the material in their own language and in summary. The second part of the training is that at the end of each session on the same day at a specific time set between the researcher and the samples Questions and answers can be placed in text or Weiss and online for 5 minutes.How to work with PowerPoint training software and how to use it during the first care session (days 1-3) will be provided for samples; And mothers are asked to take 30-45 minutes after studying PowerPoints and during the second and third visits, ie second care (10-15) and third care (30-42) to answer the satisfaction questionnaire.

Category

Treatment - Other

2

Description

Intervention group: in the face-to-face training group; During the initial care (days 1-3), the trainings will be done individually and include all the usual puerperium care, and at the end of the trainings, an educational pamphlet will be provided to the samples

Category

Treatment - Other

3

Description

Intervention group: In the virtual training group, the same materials that were presented to the face-to-face training group are sent via WhatsApp for WhatsApp, one by one, using PowerPoint training software that contains text, audio, video and image, and can be changed according to the client's needs. Is. The duration of the trainings in the presented PowerPoints is 20 minutes, which is presented on certain days of the week and at certain times of the day with prior coordination.The trainings in the virtual group are divided into two parts. In the first part, the same ordinary materials that were taught to the face-to-face training group are sent in PowerPoint format and through WhatsApp individually (not in groups), and after sending the educational materials for review. Sample Feedback Samples are required to summarize the material in their own language and in summary. The second part of the training is that at the end of each session on the same day at a specific time set between the researcher and the samples Questions and answers can be placed in text or Weiss and online for 5 minutes.How to work with PowerPoint training software and how to use it during the first care session (days 1-3) will be provided for samples; And mothers are asked to take 30-45 minutes after studying PowerPoints and during the second and third visits, ie second care (10-15) and third care (30-42) to

answer the satisfaction questionnaire.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

17 Shahrivar Health Center in Ahvaz

Full name of responsible person

Zahra Abbaspoor

Street address

School of Nursing and Midwifery, University City, Golestan Road,AHVAZ,IRAN

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Email

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Zahra Abbaspoor,Associate Professor of Reproductive Health

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Ground Floor, Ahvaz Jundishapur University of Medical Sciences and Health Services, Vice Chancellor for Research and Technology, University City,AHVAZ,IRAN

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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

Ahvaz 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

Ahvaz University of Medical Sciences

Full name of responsible person

Zahra Abbaspoor

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Midwifery

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Person responsible for scientific inquiries

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Position

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Latest degree

Ph.D.

Other areas of specialty/work

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Person responsible for updating data

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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
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