Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Investigation of the effect of educational program based on the health belief model on the promotion of preventing behaviors exposure to polluted air among pregnant women

Protocol summary

Summary

This study aims at investigating the effect of education based on Health Belief Model on the promotion of preventing behaviors exposure to polluted air among pregnant women. The sample of 120 pregnant women under 6 months referred to health centers - Care Arak city at 6-24 weeks of gestation are represented. multi-stage sampling was used to select sampls. also they were assigned into 2 Intervention and control groups randomly. The data are gathered via a researcher-made questionnaire whose validity and reliability are assured in advance. Inclusion criteria: Pregnant women with who can read and write; Pregnant women under than 6 months. Exclusion criteria: pregnancy complications; the absence of training sessions. The educational intervention for the intervention group is done via holding an interactive educational seminar, presenting an Educational booklet as a reminder. The control group receive their routine education. The primary outcome: The preventive behaviors of exposure to air pollution. The Secondary outcomes: Increase knowledge, change attitude, improve practice.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014090119005N1**
Registration date: **2015-02-18, 1393/11/29**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-02-18, 1393/11/29

Registrant information

Name

Somayeh Pourmosayebi

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2014-09-29, 1393/07/07

Expected recruitment end date

2015-04-30, 1394/02/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation of the effect of educational program based on the health belief model on the promotion of preventing behaviors exposure to polluted air among pregnant women

Public title

The effect of education on the prevention of exposure to polluted air among pregnant women

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Pregnant women with who can read

and write; singleton pregnancy; Pregnant women under 6 months; aged 18 to 35 years; No experience chronic disease known (heart disease, lung disease, kidney disease, diabetes, thyroid). Exclusion criteria: pregnancy complications (preeclampsia, gestational hypertension, diabetes and bleeding) ; The absence of more than one session of training sessions; absence of complete session of the questionnaire.

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

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **120**

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
Arak University of Medical Sciences

Street address
Arak University of Medical Sciences, Basij Sq., Sardashat, Arak

City
Arak

Postal code

Approval date
2014-09-08, 1393/06/17

Ethics committee reference number
93-167-17

Health conditions studied

1

Description of health condition studied
pregnancy

ICD-10 code
Z35

ICD-10 code description
Supervision of high-risk pregnancy

Primary outcomes

1

Description
Adopt behaviors to prevent of exposure to air pollution in pregnant women

Timepoint
Before and three months after intervention

Method of measurement
A researcher-made questionnaire

Secondary outcomes

1

Description
Knowledge, Perceived susceptibility, Perceived severity, Perceived benefits, Perceived barriers, Cues to action, Self-efficacy, practice

Timepoint
Three months after the intervention.

Method of measurement
A researcher-made questionnaire

Intervention groups

1

Description
The educational intervention for the intervention group is done via holding an interactive educational seminar, presenting an Educational booklet as a reminder.

Category
Prevention

2

Description
Control Group : Just providing routine Education .

Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center
Arak

Full name of responsible person
Mohsen Shamsi

Street address
Arak University of Medical Sciences, Basij Sq, Sardashat, Arak

City
Arak

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Arak University of Medical Sciences
Full name of responsible person
davood hekmatpou
Street address
Arak University of Medical Sciences, Basij Sq, Sardashat, Arak
City
Arak
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, Arak 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
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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