Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Jun 2026

Survey effect of educational program by BASNEF model on nutritional supplements use during pregnancy among pregnant women referred to health centers in Hamadan city

Protocol summary

Summary

Study objective : Survey effect of educational program by BASNEF model on nutritional supplements use during pregnancy among pregnant women referred to health centers in Hamadan city . Study design : The study is a randomized study . The study population will be in the third month of pregnancy , pregnant women referred to health centers in north region of Hamadan. 88 cases of pregnant women assigned randomly groups will be placed in the intervention and control. Important inclusion criteria: Being in the third month of pregnancy , Written informed consent & important exclusion criteria: Termination of pregnancy during the study for any reason, Diagnosed ban for taking supplements & Refusing to participate in workshop two sessions and more. Mothers in the intervention group will participate in 4 sessions during one month in educational program based on BASNEF model also a follow-up meeting will be held a month after the interventional education. Before the intervention, immediately after the intervention and 2 months after the intervention , both the intervention and control groups , will be completed a questionnaire; main outcome of this study is predicted to be increase the behavior supplementation use during pregnancy in the intervention group .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014022316701N1**
Registration date: **2014-03-31, 1393/01/11**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2014-03-31, 1393/01/11

Registrant information

Name
Tahere Etesamifard
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 81 3838 0755
Email address
taherehealth@gmail.com

Recruitment status

Recruitment complete

Funding source

Funding source for this study is the Vice President for Research and Technological University of Hamadan Medical Sciences.

Expected recruitment start date

2014-04-12, 1393/01/23

Expected recruitment end date

2014-05-13, 1393/02/23

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Survey effect of educational program by BASNEF model on nutritional supplements use during pregnancy among pregnant women referred to health centers in Hamadan city

Public title

The effect of education on prenatal supplements

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Third trimester pregnant women referred to health centers in north of Hamadan; Written informed consent by the pregnant women under study; Lack of a ban on pregnancy supplements use.Exclusion criteria: Pregnant women who do not wish to continue participating in the study; Ban the use of one or all three supplements during pregnancy, in terms of doctor or midwife; Termination of pregnancy during the study for any reason (including abortion, and the doctor's advice, ...); Change the location so that they will be removed from the covered population; Refusing to participate in workshop two sessions and more.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **88**

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

Hamadan University of Medical Sciences

Street address

Hamadan - Fahmideh strett - opposit Mardom Park

City

Hamadan

Postal code

Approval date

2013-04-08, 1392/01/19

Ethics committee reference number

d/p/16/35/9/24

Health conditions studied

1

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E50

ICD-10 code description

Vitamin A deficiency

2

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E51

ICD-10 code description

Thiamine deficiency

3

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E53

ICD-10 code description

Deficiency of other B group vitamins

4

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E54

ICD-10 code description

Ascorbic acid deficiency

5

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E55

ICD-10 code description

Vitamin D deficiency

6

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E56

ICD-10 code description

Other vitamin deficiencies

7

Description of health condition studied

nutritional supplements use during pregnancy

ICD-10 code

E58

ICD-10 code description

Dietary calcium deficiency

8

Description of health condition studied
nutritional supplements use during pregnancy
ICD-10 code
E61
ICD-10 code description
Deficiency of other nutrient elements

Primary outcomes

1

Description
nutritional supplements use during pregnancy
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

Secondary outcomes

1

Description
knowledge
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

2

Description
belifes & evaluational of behavioral outcome
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

3

Description
attitude toward the behavior
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

4

Description
normative beliefs
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

5

Description
subjective norms
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

6

Description
behavioral intention
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

7

Description
enabling factors
Timepoint
Before the intervention, immediately after intervention, and two months after the end of intervention
Method of measurement
Made questionnaire

Intervention groups

1

Description
A training manual utilizes the scientific literature by the researcher will be provided after confirmation of its validity and reliability will be held in 4 sessions (one session per week) and about 60 minutes for each session for the third month pregnant women in the intervention group. Teaching methods will include lectures, group discussions and questions and answers.
Category
Prevention

2

Description
For the control group, there will be no educational intervention
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Emam Reza health center
Full name of responsible person
Tahere Etesamifard - student of Msc of health education

Street address
City
Hamadan

2

Recruitment center
Name of recruitment center
Ghods health center
Full name of responsible person
Tahere Etesamifard - student of Msc of health education
Street address
City
Hamadan

3

Recruitment center
Name of recruitment center
Eslamshahr health center
Full name of responsible person
Tahere Etesamifard - student of Msc of health education
Street address
City
Hamadan

4

Recruitment center
Name of recruitment center
Khezr health center
Full name of responsible person
Tahere Etesamifard - student of Msc of health education
Street address
City
Hamadan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Hamadan University of Medical Sciences - Vice chanellor for Research and Technology
Full name of responsible person
Dr. Alikhani
Street address
Hamadan - opposit of Mardom Park - Hamadan University of Medical Sciences
City
Hamadan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Hamadan University of Medical Sciences - Vice chanellor for Research and Technology
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
Hamadan University of Medical Sciences
Full name of responsible person
Tahere etesamifard
Position
student of Msc of health education
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Other areas of specialty/work
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00
Fax
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Web page address

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