

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

The effect of education to mothers based on health Belief model on decreasing dental plaque index of 3-6 years old children of Ilam city in 2015.

Protocol summary

Summary

This experimental study will be conducted on 100 mothers of children aged 3 to 6 years old under the coverage of Healthcare Center No 1 in the city of Ilam in two groups, intervention and control. The educational intervention will be based on Health Belief Model components in the intervention group in which perceived severity, susceptibility, benefits, and barriers, self-efficacy, and cues to action as well as oral health behaviors of mothers to children and dental plaque index are measured. The study population is composed of mothers of children aged 3 to 6 years old referred to Healthcare Center No 1 in the city of Ilam. After providing a full description of the study procedure, mothers will complete a consent form. The inclusion criteria are mothers with children aged 3 to 6 years old, coverage by Health Center No 1, and mothers' willingness to participate in the study. The exclusion criteria are absence of women in all educational classes, lack of children's cooperation in oral examinations, and dental plaque measurement. To perform this study, Health Center No 1 in the city of Ilam is selected because of its activity and the large population of children aged 3 to 6 years old. After obtaining written permission from Ilam University of Medical Sciences, it is presented to Health Center No 1 to follow the legal procedure of entry into the research context. The first step of the study (before intervention) includes children's oral examination and completion of the questionnaire; afterwards, the educational intervention will be conducted in three 45-minute sessions; and the second step of the study (after intervention) includes children's oral re-examinations and completion of the questionnaire. Finally, the data will be analyzed by using the SPSS software version 16.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014112220031N1**

Registration date: **2016-02-18, 1394/11/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-02-18, 1394/11/29

Registrant information

Name

Maryam Esmaili Kia

Name of organization / entity

Ilam University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 84 3335 4724

Email address

esmaili66leila@gmail.com

Recruitment status

Recruitment complete

Funding source

Ilam University of Medical Sciences

Expected recruitment start date

2015-12-01, 1394/09/10

Expected recruitment end date

2015-12-21, 1394/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of education to mothers based on health Belif model on decreasing dental plaque index of 3-6 years old children of Ilam city in 2015.

Public title

The effect of education on decreasing dental plaque index

Purpose

Prevention

Inclusion/Exclusion criteria

The inclusion criteria are mothers with children aged 3 to 6 years old, coverage by Health Center No 1, and mothers' willingness to participate in the study. The exclusion criteria are absence of women in all educational classes, lack of children's cooperation in oral examinations, and dental plaque measurement.

Age

From **2 years** old to **5 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

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

Ilam University of Medical Sciences

Street address

Ilam

City

Banganjab, Pajooresh Blvd., Ilam City

Postal code

6939177143

Approval date

2015-10-13, 1394/07/21

Ethics committee reference number

IR.Medilam.REC.1394.72

Health conditions studied

1

Description of health condition studied

Plauqe Dental

ICD-10 code

K05.5

ICD-10 code description

Other Periodonta Diseases

Primary outcomes

1

Description

oral health behavior

Timepoint

pre test intervention, 30 days after last educational program

Method of measurement

Questionari

Secondary outcomes

empty

Intervention groups

1

Description

intervention based on is structures on three sessaion ,intervention class is resercher is hold, that are education oral health, care health, plauqe dental preventive.

Category

Prevention

2

Description

in control group is done normal care.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Healthcare Center No 1 in the city of Ilam

Full name of responsible person

Maryam Esmaili kia

Street address

Shahid Bashiri Alley, Edalat Blvd, Fatehan Memak Squire, Ilam City.

City

Ilam

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ilam University of Medical Sciences

Full name of responsible person

Behzad Badakhsh

Street address

Banganjab, Pazhohesh Streat, Ilam City.

City

Ilam

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ilam 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

Ilam University of Medical Sciences

Full name of responsible person

Amin Mirzaei

Position

Ph.d

Other areas of specialty/work

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amin.mirzaei@modares.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ilam University of Medical Sciences

Full name of responsible person

Zeinab Ghazanfari

Position

Ph.d

Other areas of specialty/work

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zghazanfari2006@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Ilam, University of Medical Science

Full name of responsible person

Leda Hemati

Position

Employee

Other areas of specialty/work

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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