

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Investigating the effect of the educational intervention based on the health belief model (HBM) in improving the time of using personal protective equipment

Protocol summary

Study aim

Investigating the effect of educational intervention based on the health belief model on increasing the duration of using personal protective equipment

Design

The current study was an experimental intervention that was conducted on 100 employees of different jobs in a process industry. The employees were divided into two groups of 50 people, intervention and control. Information will be collected in the pre-test stage using a researcher-made questionnaire based on the constructs of the health belief model. In the next step, educational interventions were conducted only in the test group and in 12 training sessions (theory-practical), each for 45-60 minutes based on the shift work of the employees and 3 sessions per week. The training provided was in the form of lectures, distribution of educational pamphlets, video screening, group discussions and questions and answers. . 3 months after the educational intervention, the post-test phase was conducted.

Settings and conduct

They will be trained in the workplace based on the training topic. Theoretical training regarding the complications of exposure to vibration and practical use of personal protective equipment.

Participants/Inclusion and exclusion criteria

One years job experience and exposure to vibration

Intervention groups

The intervention group receives training on the use of personal protective equipment. The control group does not see any training.

Main outcome variables

Time to use personal protective equipment

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20231224060515N1**

Registration date: **2024-01-21, 1402/11/01**

Registration timing: **retrospective**

Last update: **2024-01-21, 1402/11/01**

Update count: **0**

Registration date

2024-01-21, 1402/11/01

Registrant information

Name

seyed mahdi mousavi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 5335 2771

Email address

mahdi.mousavi90@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2024-01-21, 1402/11/01

Expected recruitment end date

2024-01-21, 1402/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of the educational intervention

based on the health belief model (HBM) in improving the time of using personal protective equipment

Public title

educational intervention based on the health belief model

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

One years of job experience and exposure to the vibration

Exclusion criteria:

Reluctance to attend the study

Age

From **20 years** old to **59 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Not 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

Research Ethics Committees of Schools of Dentistry,
Health Sciences and Advanced Medical Technologie

Street address

Keshvarzi

City

Isfahan

Province

Isfahan

Postal code

1111111111

Approval date

2023-11-19, 1402/08/28

Ethics committee reference number

IR.MUI.DHMT.REC.1402.032

Health conditions studied

1

Description of health condition studied

not

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Using of personal protective equipment

Timepoint

First of study and 3month after study

Method of measurement

Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Educational interventions were conducted in 12 educational sessions (theory-practical), each session lasting 45-60 minutes based on the shift work of the employees and 3 sessions per week. The training provided will be in the form of lectures, distribution of educational pamphlets, video screening, group discussions and questions and answers.

Category

Behavior

2

Description

Control group: This group does not receive any training.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Process industry company

Full name of responsible person

Seyed mahdi mousavi

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

DR Gholam Reza Askari

Street address

Hezar Jarib

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6314567891

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mahdi.mousavi90@yahoo.com

Grant name

Grant code / Reference number

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

No

Title of funding source

دکتر غلامرضا عسکری

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

Esfahan University of Medical Sciences

Full name of responsible person

Seyed Mahdi Mousavi

Position

Phd Student

Latest degree

Master

Other areas of specialty/work

Occupational Health

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Seyed Mahdi Mousavi

Position

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Latest degree

Master

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Isfahan University of Medical Sciences

Full name of responsible person

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Position

Phd Student

Latest degree

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

There is no further information

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available