

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Assessing the effectiveness of e-learning on occupational health and radiation protection safety of radiation workers, working in TUMS medical imaging and therapeutic centers

Protocol summary

Summary

The objectives of this study: 1. determining the effectiveness of e-learning on occupational health of radiation workers, working in TUMS medical imaging and therapeutic centers. 2. Assessing the effectiveness of e-learning on safety and radiation protection of radiation workers, working in TUMS medical imaging and therapeutic centers. Design of the study: Non randomized The study population: All radiation workers working in different parts of hospitals in Tehran University of Medical Sciences The main criteria for inclusion: This study has not inclusion criteria except to be Radiation worker of samples. The main criteria for exclusion: Being employed in jobs that do not deal with ionizing radiation. The sample size: 400 workers employed at Tehran University of Medical Sciences studied intervention or interventions: Occupational Health Education Intervention time: After the initial assessment of Knowledge, job satisfaction, job stress Primary studied outcome or outcomes : radiation workers' Knowledge and beliefs about used radiation

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014090619054N1**
Registration date: **2014-10-11, 1393/07/19**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-10-11, 1393/07/19

Registrant information

Name

Seyedeh Shohreh Alavi

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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alavi@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences, vice- chancellor for research

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2016-03-18, 1394/12/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessing the effectiveness of e-learning on occupational health and radiation protection safety of radiation workers, working in TUMS medical imaging and therapeutic centers

Public title

the impact of training on occupational health of radiation workers in university

Purpose

Supportive

Inclusion/Exclusion criteria

All radiation workers working in hospitals of TUMS are

potentially samples of this study .

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **400**

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Tehran University of Medical Sciences

Street address

Qods street, Keshavarz Boulevard, The central building of the University

City

Tehran

Postal code**Approval date**

2014-08-26, 1393/06/04

Ethics committee reference number

93-02-109-25389-120990

Health conditions studied**1****Description of health condition studied**

knowledge, belief, job satisfaction and job strain of studied radiation workers

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

radiation workers's knowledge and beliefs about radiations working with

Timepoint

Before the educational intervention and two months later

Method of measurement

Questionnaire and the related check lists

Secondary outcomes

empty

Intervention groups**1****Description**

training all participants in the study

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

hospitals of Tehran University of Medical Sciences

Full name of responsible person

Sima Taghizadeh

Street address

Research Center for Science and Technology in Medicine, Keshavarz Boulevard

City

TEHRAN

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Tehran University of Medical Sciences, vice-chancellor for research

Full name of responsible person

Dr Yunesian

Street address

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City

Tehran

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Tehran University of Medical Sciences, vice-chancellor for research

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**

Tehran University of Medical Sciences

Full name of responsible person

Mrs. Akbari

Position

research expert

Other areas of specialty/work**Street address**

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Web page address**Person responsible for updating data****Contact****Name of organization / entity****Full name of responsible person**

Dr. Seyede Shohreh Alavi

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Research Center for Science and Technology in Medicine

Full name of responsible person

Sima Taghizadeh

Position

expert

Other areas of specialty/work**Street address**

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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***Sharing plan**