

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of two educational interventions on varnish fluoride therapy (VFT) on practical skills of health-workers of Tehran at two groups; 1- trained by multimedia and 2- multimedia and group discussion session

Protocol summary

Summary

According to the increasing rate of dental caries, prevention, specially in children is necessary. One of the preventive methods is varnish fluoride therapy. Due to the limited access to dentists for all people and highly priced services using of health workers for simple preventive services seems to be a suitable solution. The goal of this study is evaluating of teaching VFT to volunteer Health Worker of Municipality of Tehran, and we use two different educational methods. This study is an interventional and educational study. The target population for VFT is volunteer students at primary school. 50 health workers participate in this study and are educated in two different ways. The first group learns the skills by multimedia and the second group by multimedia and a discussion session. Then every health worker do VFT on 4 children. Then the practice of each group will be evaluated. Finally, we compare the average mark of each group to compare the effectiveness of two educational methods.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013121515806N1**

Registration date: **2013-12-25, 1392/10/04**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-12-25, 1392/10/04

Registrant information

Name

Ahmad Jafari

Name of organization / entity

Tehran University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice-Chancellor for Research, Tehran University of Medical Sciences

Expected recruitment start date

2013-12-21, 1392/09/30

Expected recruitment end date

2014-01-20, 1392/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of two educational interventions on varnish fluoride therapy (VFT) on practical skills of health-workers of Tehran at two groups; 1- trained by multimedia and 2- multimedia and group discussion session

Public title

Comparison of two educational interventions on varnish fluoride therapy (VFT) among health-workers

Purpose

Health service research

Inclusion/Exclusion criteria

Population of the study are Health Worker of Municipality

of Tehran satisfied to participate in the study. Population for VFT are the student at age 7 and 8 years-old who themselves and their mother are satisfied to participate in the study.

Age

From **6 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **24**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Tehran University of Medical Sciences

Street address

Qods Cross, Keshavarz Blvd., Enghelab Sq.

City

Tehran

Postal code

Approval date

2013-12-14, 1392/09/23

Ethics committee reference number

92-01-69-19235-94311

Health conditions studied

1

Description of health condition studied

Fluoride therapy

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The method of VFT

Timepoint

When varnish is applying

Method of measurement

Check list

Secondary outcomes

empty

Intervention groups

1

Description

Educational intervention by producing video on CD for watching at home

Category

Treatment - Drugs

2

Description

Educational intervention by producing video on CD for watching in workshop followed by group discussion session

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Municipality of Tehran, District 11

Full name of responsible person

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Elaheh Alamdar

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City

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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

Proportion provided by this source

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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Full name of responsible person

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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*