

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Jun 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

Iran (Islamic Republic of)

##### Phone

+98 21 8801 5960

##### Email address

ajafari@tums.ac.ir

##### 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

##### Street address

Qods Cross, Keshavarz Blvd., Enghelab Sq.

##### 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

#### 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**

Department of Community Oral Health, Faculty of Dentistry, Tehran University of Medical Sciences

**Full name of responsible person**

Ahmad Jafari

**Position**

Specialist in Pediatric Dentistry

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**Full name of responsible person**

Ahmad Jafari

**Position**

Specialist in Pediatric Dentistry

**Other areas of specialty/work**

**Street address**

Department of Community Oral Health, Faculty of Dentistry, Tehran University of Medical Sciences The

**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*