# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

17 Sep 2026

## Comparing effect of Chlorhexidine and Persica mouthwashes on color of tooth, gingival bleeding and pain after Scaling in patients suffering gingivitis

## Protocol summary


**Summary**

The aim of this study is comparing effects of Persica and Chlorhexidine mouthwashes on color of tooth, gingival bleeding and pain after Scaling. This study is Randomized clinical trial and double blind, controlled by placebo and phases two and three of trial. Having 2 quadrant or more with CPITN more than one and less than three is major Inclusion criteria and Having systemic conditions or diseases is major exclusion criteria. In this clinical trial, 48 patients suffering from gingivitis, referring to department of periodontics of Yazd Dental School are evaluated randomly in 3 groups (16 patient in each group). Before any interventions, gingival bleeding index and color of tooth index are evaluated. Then, Normal Saline (placebo) is given to the first group, Chlorhexidine is given to the second group and Persica is given to the third group.Then, gingival bleeding Index and color of tooth index are evaluated after prescription of mouthwashes and placebo for the second time. In the next stage, After scaling, pain index is evaluated for the first time.Then, mouthwashes and placebo are prescribed for one week. Finally three indexes are evaluated after a week. Primary outcomes of this study are gingival bleeding and pain after scaling.


## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2014012816407N1**
Registration date: **2014-07-10, 1393/04/19**
Registration timing: **retrospective**

Last update:
Update count: **0**

**Registration date**

2014-07-10, 1393/04/19

**Registrant information**


**Name**

Motahare Baghestani

**Name of organization / entity**

Dental school ,Shahid Sadoughi university of science, Yazd, Iran

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**Recruitment status**

**Recruitment complete**


**Funding source**

Yazd Shahid Sadoughi University of Medical Sciences


**Expected recruitment start date**

2014-04-09, 1393/01/20

**Expected recruitment end date**

2014-04-30, 1393/02/10

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Comparing effect of Chlorhexidine and Persica mouthwashes on color of tooth, gingival bleeding and pain after Scaling in patients suffering gingivitis

**Public title**

Effect of Persica mouthwash on the color of tooth, gingival bleeding and pain after scaling

**Purpose**

Prevention

**Inclusion/Exclusion criteria**

Inclusion: Having 2 quadrant or more with CPITN more than one and less than three؛ being healthy systematically Exclusion: Having systemic conditions or diseases; pregnancy; smoking; puberty

**Age**

From **10 years** old

**Gender**

Both

**Phase**

2-3

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **48**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Double blinded

**Blinding description**

**Placebo**

Used

**Assignment**

Parallel

**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**

**Name of ethics committee**

Yazd Shahid Sadoughi University of Medical Sciences

**Street address**

Shahid Bahonar square, Yazd, Islamic Republic of Iran

**City**

Yazd

**Postal code**

**Approval date**

2013-07-13, 1392/04/22

**Ethics committee reference number**

17.1.71408پ

## Health conditions studied

### 1

**Description of health condition studied**

Gingivitis

**ICD-10 code**

K05.1

**ICD-10 code description**

Chronic gingivitis

## Primary outcomes

### 1

**Description**

Gingival bleeding

**Timepoint**

Before intervention, after using mouthwashes, one week after using mouthwash

**Method of measurement**

By bleeding on probing (BOP): not bleeding number zero, bleeding less than a dot number one, bleeding more than a dot number two

### 2

**Description**

Pain

**Timepoint**

After scaling, one week after using mouthwashes

**Method of measurement**

Visual Pain Scale

## Secondary outcomes

### 1

**Description**

Color of tooth

**Timepoint**

befor intervention, after using mouthwashes, one week after using mouthwashes

**Method of measurement**

Having or do not having color changing (number and percent of teeth with color changing)

## Intervention groups

### 1

**Description**

Normal Saline (placebo) is given to the patients of the first group and they are requested to use it 3 times a day, each time 30 seconds for a week (each time 15 mili litre). They are requested to do not eat any things and do not wash their mouth until one hour after using it.

**Category**

Placebo

### 2

**Description**

Chlorhexidine is given to the patients of the second group and they are requested to use it 3 times a day, each time 30 seconds for a week(each time 15 mili litre). They are requested to do not eat any things and do not wash their mouth until one hour after using it.

**Category**

Prevention

### 3

**Description**

Persica is given to the patients of the third group and they are requested to use it 3 times a day, each time 30

seconds (each time, 15 drops of Persica are fallen in 2 spoons of water) for a week. They are requested to do not eat any things and do not wash their mouth until one hour after using it.

**Category**

Prevention

## Recruitment centers

### 1

**Recruitment center**

**Name of recruitment center**

Department of periodontics, School of dentistry, Shahid Sadoughi Medical University,Yazd, Iran

**Full name of responsible person**

Dr. Ahmad Haerian (Associate professor, Department of periodontics)

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**City**

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## Sponsors / Funding sources

### 1

**Sponsor**

**Name of organization / entity**

Yazd Shahid Sadoughi University of Medical Sciences

**Full name of responsible person**

Dr. Hasan Mozaffari

**Street address**

Shahid Bahonar square, Yazd, Islamic Republic of Iran

**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**

Yazd Shahid Sadoughi 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**

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**Full name of responsible person**

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**Position**

Associate professor

**Other areas of specialty/work**

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## Person responsible for scientific inquiries

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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*