

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

11 Jun 2026

### Evaluate and compare the efficacy of aloe Vera mouthwash with non-alcoholic Chlorhexidine mouthwash on periodontal diseases.

#### Protocol summary

##### Summary

Aim: To compare the efficacy of Aloe Vera and non-alcoholic chlorhexidine mouthwash in the treatment of Periodontal diseases. Methods & Material: 24 patients were selected, the following periodontal parameters were recorded at baseline, and after recording all the parameters at the baseline, Scaling, root planning, and polishing are done for all the patients participating in the study. Oral hygiene instructions were given that included brushing twice a day with a soft brush, After 2 weeks, patients in the study, they were randomly (Balanced Block Randomization) equal divided into 2 groups; Group A: mouthwash aloe Vera (Alodent Co. UK) for each patient, Group B: Non-alcoholic Chlorhexidine (Perio-Kin, Livar CO. Spain) 10 ml by patients routinely washed two times in one day for about 30 seconds and lasts for 15 days, then every 7 days periodontal parameters, and at the end of 2 weeks (days 0, 7, 15) clinical changes are evaluated.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014051017587N5**

Registration date: **2014-08-15, 1393/05/24**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2014-08-15, 1393/05/24

##### Registrant information

##### Name

Amirhossein Farahmand

##### Name of organization / entity

Dental Branch Islamic Azad University of Tehran

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2284 9604

##### Email address

perio-implant@hotmail.com

##### Recruitment status

**Recruitment complete**

##### Funding source

investigator

##### Expected recruitment start date

2014-07-18, 1393/04/27

##### Expected recruitment end date

2015-07-28, 1394/05/06

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluate and compare the efficacy of aloe Vera mouthwash with non-alcoholic Chlorhexidine mouthwash on periodontal diseases.

##### Public title

Randomized, clinical trial to evaluate the effects of aloe vera mouthwash in comparison with non-alcoholic chlorhexidine on periodontal disease .

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: Presence of two periodontal sites located on the same side pocket depth 4 mm or more, Chronic periodontitis patients. Exclusion criteria: Orthodontic treatment, Use removal denture. Presence of vertical bone defect, Use of medicine therapy within the 3 months prior to the study, Allergy to chlorhexidine and Aloe Vera, smoking. Systemic diseases that could

influence the course of periodontal disease, Pregnancy and lactation, Aggressive periodontitis, Furcation involvement, Periodontal therapy 6 months prior to the study, Extensive caries.

**Age**

No age limit

**Gender**

Both

**Phase**

2-3

**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**

In this study, the patients were randomly (Balanced Block Randomization) equal divided into two groups.

**Secondary Ids**

empty

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

Ethics Committee of Dental Branch Islamic Azad University of Tehran

**Street address**

No4, 10th Neyestan Alley, Pasdaran Ave, Tehran, Iran

**City**

Tehran

**Postal code**

19585/175

**Approval date**

2010-09-23, 1389/07/01

**Ethics committee reference number**

487

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

Periodontal diseases

**ICD-10 code**

k05.3

**ICD-10 code description**

Periodontal diseases

**Primary outcomes****1****Description**

Reduction of pocket depth

**Timepoint**

7days

**Method of measurement**

Periodontal pobe

**Secondary outcomes****1****Description**

Reduction of bleeding on probing

**Timepoint**

7 days

**Method of measurement**

Periodontal probe

**2****Description**

Reduction of plaque index

**Timepoint**

7 days

**Method of measurement**

Plaque Index(O'Leary )

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

"Group A: mouthwash aloe Vera (Alodent Co. UK) for each patient, 10 ml by patients routinely washed two times in one day for about 30 seconds for two weeks."

**Category**

Treatment - Drugs

**2****Description**

"Group B: Non-alcoholic chlorexidine (Livar CO. SPAIN) for each patient, 10 ml by patients routinely washed two times in one day for about 30 seconds for two weeks."

**Category**

Treatment - Drugs

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

Dental Branch Islamic Azad University of Tehran

**Full name of responsible person**

Amirhossein Farahmand

**Street address**

No4, 10th Neyestan Alley, Pasdarn Ave, Tehran, Iran

**City**  
Tehran

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Deputy of Research Council Of Dental Branch, Islamic Azad University of Tehran

**Full name of responsible person**

Amirhossein Farahmand

**Street address**

No 4, 10th Neyestan Alley, Pasdaran Ave, Tehran, Iran

**City**

Tehran

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Deputy of Research Council Of Dental Branch, Islamic Azad University of Tehran

**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**

Dental Branch, Islamic Azad University of Tehran

**Full name of responsible person**

Amirhossein Farahmand

**Position**

Periodontologist, Implantologist

**Other areas of specialty/work**

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## Person responsible for scientific inquiries

### Contact

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## Person responsible for updating data

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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*