

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### The clinical effect of debridement with combination of PVP-I10% and H2O2 3% in the treatment of moderate to severe chronic periodontitis.

#### Protocol summary

##### Summary

The objective of this study was to investigate the clinical effect of debridement with combination of PVP-I10% and H2O2 3% in the treatment of moderate to severe chronic periodontitis. (PVP-I: povidone iodine, H2O2: hydrogen peroxide, SRP: scaling & root planning). Sixteen patients (both sexes aged 30-56 years) who had a total of 64 periodontal pockets with depth more than 5 mm were recruited. Periodontal pockets of 4 quadrants in each patient were randomly assigned to one of the following treatment modalities: SRP + subgingival irrigation with PVP-I 10%, SRP + subgingival irrigation with H2O2 3% , SRP + subgingival irrigation with combination of PVP-I 10% and H2O2 3%, SRP + subgingival irrigation with normal saline (control). Depth of periodontal pocket was measured 5 weeks after the intervention.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT138902043785N1**  
Registration date: **2008-04-05, 1387/01/17**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2008-04-05, 1387/01/17

##### Registrant information

##### Name

Fateme Koohpeima

##### Name of organization / entity

Dental school, Shirz University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 917 716 1939

##### Email address

fkooheima@sums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice-chancellor for Research, Shieaz University of Medical Sciences

##### Expected recruitment start date

2008-04-05, 1387/01/17

##### Expected recruitment end date

2008-05-06, 1387/02/17

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The clinical effect of debridement with combination of PVP-I10% and H2O2 3% in the treatment of moderate to severe chronic periodontitis.

##### Public title

The clinical effect of debridement with combination of PVP-I10% and H2O2 3% in the treatment of moderate to severe chronic periodontitis.

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Exclusion criteria: Iodine sensitivity, presence of thyroid disease, need to antibiotic prophylaxis, SRP in 3 previous months, pregnancy, medical problems that intervene with the study

##### Age

From **30 years** old to **56 years** old

##### Gender

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 64

**Randomization (investigator's opinion)**

N/A

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

Single blinded

**Blinding description****Placebo**

Used

**Assignment**

Parallel

**Other design features**

---

**Secondary Ids**

empty

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

Ethics Committee of Shiraz University of Medical Sciences

**Street address**

Shiraz University of Medical Sciences, Zand street, Shiraz

**City**

Shiraz

**Postal code**

ct-87-4005

**Approval date**

empty

**Ethics committee reference number**

ct-87-4005

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

Chronic periodontitis

**ICD-10 code**

K05.3

**ICD-10 code description**

Chronic periodontitis

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

periodontal pocket depth

**Timepoint**

5 weeks after treatment

**Method of measurement**

With periodontal probe

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

Improvement in periodontal status

**Timepoint**

6 months after treatment

**Method of measurement**

Periodontal probe

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

Insertion of PVP-I 10% in perio pocket with insulin syringe for 5 min.

**Category**

Treatment - Drugs

**2****Description**

Insertion of the combination of PVP-I 10% and H2O2 3% in perio pocket with insulin syringe for 5 min.

**Category**

Treatment - Drugs

**3****Description**

Insertion of the combination of PVP-I 10% and H2O2 3% in perio pocket with insulin syringe for 5 min.

**Category**

Treatment - Drugs

**4****Description**

Insertion of normal saline (sodium chloride 0.9%) in perio pocket with insulin syringe for 5 min.

**Category**

Placebo

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

Shiraz Dental School

**Full name of responsible person**

Fateme Koohepeima

**Street address****City**

Shiraz

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Research Center of Shiraz University of Medical Sciences

**Full name of responsible person**

Dr. Dabbaghmanesh

**Street address**

Shiraz University of Medical Sciences, Zand street, Shiraz,

**City**

Shiraz

**Grant name**

---

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

Yes

**Title of funding source**

Research Center of Shiraz 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**

Shiraz Dental School

**Full name of responsible person**

Fateme Koohpeima

**Position**

Resident

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

periodontal department, Shiraz Dental School

**City**

Shiraz

**Postal code**

1234

**Phone**

+98 71 1627 5781

**Fax**

+98 71 1627 5781

**Email**

koohpeima.f@gmail.com

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Shiraz Dental School

**Full name of responsible person**

Fateme Koohpeima

**Position**

Resident of Restorative dentistry

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

Golestan dormitory, Chamran boulevard, Shiraz

**City**

Shiraz

**Postal code**

1234

**Phone**

+98 71 1627 5781

**Fax**

+98 71 1627 5781

**Email**

koohpeima.f@gmail.com

**Web page address**

## Person responsible for updating data

### Contact

## 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*