

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 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)

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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 Koohpeima

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

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Position

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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