Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The Effects of Subgingival Use of 2/5% Acyclovir Gel on Clinical and Microbiological parameters in Chronic periodontitis

Protocol summary

Summary

The aim of this study is investigating clinical and microbiological effects of subgingival use of an antiviral drug on 18 clinically healthy patients with chronic periodontitis. Patients who have been received antibiotic therapy during 3 months prior to study or periodontal therapy during 6 months prior to study and pregnant or breast fed patients were excluded. 2 teeth with pocket depth 5mm or more were chosen in each patient and put randomly in intervention or control group. In intervention group SRP+2.5% subgingival Acyclovir gel and in control group SRP alone were done. Clinical parameters (pocket depth, clinical attachment level, gingival index, BOP) and sub gingival plaque sampling (P.Gingivalis count) were measured at baseline, 1 month & 3 months after intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138801231809N1**
Registration date: **2009-07-25, 1388/05/03**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2009-07-25, 1388/05/03

Registrant information

Name

Kobra Vasegh

Name of organization / entity

Dental school, Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8877 3550

Email address

vaseghk@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences & Personal sources

Expected recruitment start date

2008-04-05, 1387/01/17

Expected recruitment end date

2008-05-09, 1387/02/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effects of Subgingival Use of 2/5% Acyclovir Gel on Clinical and Microbiological parameters in Chronic periodontitis

Public title

Clinical and Microbiological Effects of 2/5% Acyclovir Gel

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Presence of chronic periodontitis, presence of at least 2 pockets with 5 mm pocket depth
Exclusion criteria: Presence of any systemic disease, periodontal treatment during 6 month prior to study, antibiotic use during 3 months prior to study, Smoking, Pregnancy, or breast feeding

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **18**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Single

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

Central building of Shiraz University of Medical Sciences, Zand street.

City

Shiraz

Postal code

Approval date

2008-10-18, 1387/07/27

Ethics committee reference number

ct-87-4244

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

P. Gingivalis Count

Timepoint

Baseline (Before Treatment), 1 & 3 months after treatment

Method of measurement

Mycrobiological Analysis (Culture & PCR)

2

Description

Clinical Attachment Level

Timepoint

Baseline (Before Treatment), 1 & 3 month after treatment

Method of measurement

Clinical Evaluations

3

Description

Pocket Depth

Timepoint

Baseline (Before Treatment), 1 & 3 months after treatment

Method of measurement

Clinical Evaluations (Probing)

4

Description

Gingival Index

Timepoint

Baseline (Before Treatment), 1 & 3 month after treatment

Method of measurement

Clinical Evaluations

5

Description

Bleeding On Probing

Timepoint

Baseline (Before Treatment), 1 & 3 month after treatment

Method of measurement

Clinical Evaluations

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Supra and Subgingival scaling and rootplaning (hand & ultrasonic instrumentents)+2.5% subgingival acyclovir gel (by an end cut syringe which was put in pocket)

Category

Treatment - Drugs

2

Description

Control group: Supra and Subgingival scaling and root planing (hand & ultrasonic instrumentents)

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Periodontics Department, Dental School, Shiraz University of Medical Sciences

Full name of responsible person
Dr.Kobra vasegh

Street address
Dental School, Shiraz University of Medical Sciences

City
Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Dental School, Shiraz University of Medical Sciences

Full name of responsible person
Dr.Postforosh

Street address
Central Building of Shiraz University of Medical Sciences, Zand St.

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Shiraz

Grant name

Grant code / Reference number

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

Title of funding source
Dental School, 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

Full name of responsible person
Dr. Kobra vasegh

Position
Periodontist

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity
Dental School, Shiraz University of Medical Sciences

Full name of responsible person
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Assistant Professor

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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