

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Survey of systemic prescription of Azithromycin using Salivary Occult Blood Test (SOBT) and periodontal parameters in non-surgical treatment of patients with moderate to severe Chronic Periodontitis.

Protocol summary

Summary

The aim of this study is to determine the effects of periodontal treatment of Azithromycin in patients with chronic periodontitis using salivary occult blood test and periodontal index. The main criterion for inclusion is existence of moderate to severe chronic periodontitis and the main Exclusion criteria are: antibiotic therapy during the last 3 months, periodontal treatment during the last 3 months, systemic disease affecting periodontal condition. The study population are 42 patients with chronic periodontitis, which refer to the Hamedan Dentistry Faculty. They will randomly divide into two groups and after mechanical treatment and scaling, azithromycin is given to the intervention group And after a month, the treatment effects of azithromycin will compared to the control group using periodontal index and salivary occult blood test.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015052510304N2**

Registration date: **2015-06-10, 1394/03/20**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-06-10, 1394/03/20

Registrant information

Name

Davood Mansoori

Name of organization / entity

Hamedan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 3838 1074

Email address

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Recruitment status

Recruitment complete

Funding source

Hamedan University of Medical Sciences

Expected recruitment start date

2015-06-07, 1394/03/17

Expected recruitment end date

2015-07-01, 1394/04/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Survey of systemic prescription of Azithromycin using Salivary Occult Blood Test (SOBT) and periodontal parameters in non-surgical treatment of patients with moderate to severe Chronic Periodontitis.

Public title

Survey of prescription of Azithromycin in treatment of patients with Chronic Periodontitis.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age over 18 years old; have at least 20 teeth; existence of chronic periodontitis. Exclusion criteria: antibiotics therapy during the last 3 months; a history of allergy to macrolides; smokers (more than 5 cigarettes a day); periodontal treatment during the last 3 months; systemic diseases affecting the periodontal

condition such as diabetes; blood disorders and diseases of the immune system (systemic disease according to patient and medical history evaluated); patients treated with drugs Anitacid and Cyclosporine; patients with anemia (anemia according to patient and medical history estimated); patients with thrombocytopenia and liver defects; patients with leukemia; the use of aspirin and other anticoagulants; use Corticosteroids (up to one year).

Age

From **18 years** old to **100 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **42**

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**

Hamedan University Of Medical Sciences

Street address

Hamedan, Mahdihyeh Street , Fahmideh Street, In
Front Of Mardom Park, Hamedan University Of
Medical Sciences, Dentistry Faculty

City

Hamedan

Postal code**Approval date**

2015-04-11, 1394/01/22

Ethics committee reference number

UMSHA.REC.1394,36

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**

Probing Depth

Timepoint

Before Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention

Method of measurement

Milimeter

2**Description**

Bleeding on Probing

Timepoint

Before Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention

Method of measurement

Present (0 - 100)

3**Description**

Gingival Recession

Timepoint

Before Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention

Method of measurement

Milimeter

4**Description**

gingival Index

Timepoint

Before Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention

Method of measurement

0, 1 , 2, 3

5**Description**

Clinical Aattachment Level

Timepoint

Before Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention

Method of measurement

Milimeter

6**Description**

Salivary Occult Blood

Timepoint

Before Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention

Method of measurement

0, 1

7**Description**

Groups

TimepointBefore Intervention And 1 Mounth After Intervention And
2 Mounth After Intervention**Method of measurement**

1, 2

Secondary outcomes

empty

Intervention groups1**Description**Tab Azithromycine 250 mg, 1 per day, loading dose 500
mg**Category**

Treatment - Drugs

2**Description**

Tab Placebo, 1 per day, loading dose 2 tabs

Category

Placebo

Recruitment centers1**Recruitment center****Name of recruitment center**Hamedan University of Medical Sciences, Dentistry
Ffaculty, Periodontics Unit**Full name of responsible person**

Dr. Seyed Reza Arabi, Ph.D

Street addressHamedan, Mahdijeh Street , Fahmideh Street, In
Front Of Mardom Park, Hamedan University Of
Medical Sciences, Dentistry Faculty, Periodontics Unit**City**

Hamedan

Sponsors / Funding sources1**Sponsor****Name of organization / entity**Hamedan University Of Medical Sciences, Dentistry
Faculty**Full name of responsible person**

Dr. Zahra Khamverdi

Street addressHamedan, Mahdijeh Street , Fahmideh Street, In
Front Of Mardom Park, Hamedan University Of
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Grant name**Grant code / Reference number****Is the source of funding the same sponsor
organization/entity?**

Yes

Title of funding sourceHamedan University Of Medical Sciences, Dentistry
Faculty**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**Hamedan University Of Medical Sciences, Dentistry
Faculty**Full name of responsible person**

Dr. Seyed Reza Arabi

Position

Ph.D

Other areas of specialty/work**Street address**Hamedan, Mahdijeh Street , Fahmideh Street, In
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Web page address**Person responsible for scientific
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Faculty**Full name of responsible person**

Dr. Seyed Reza Arabi

Position

Ph.D

Other areas of specialty/work

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Web page address**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

Person responsible for updating data**Contact****Name of organization / entity**

Hamedan University Of Medical Sciences, Dentistry
Faculty

Full name of responsible person

Davood Mansoori

Position

Dentistry Student

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

Hamedan, Mahdijeh Street , Fahmideh Street, In