

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Comparison of the effect of adjunctive low dose doxycycline with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis

Protocol summary

Summary

Aims: Comparing the effect of adjunctive low dose doxycycline with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis Study design: Interventional, Double blind, Placebo usage, Uni-center. a- Study population: With age limit, no sex limit. Inclusion criteria: chronic mild to moderate periodontitis. Exclusion criteria: Patients with any infectious or systemic diseases; no drug usage at all; pregnant, breast feeder patients; patients allergic to antibiotics; no scaling and root planning or periodontal surgeries in the last six months; no usage of antibiotic drugs during the last six months; Smokers, alcoholics; patients with poor oral hygiene or patients with poor compliance Sample size: 45 patients b- Intervention/Control: Intervention: One 20mg Capsule of Doxycycline per day Intervention: One 400mg Tablet of Omega-3 fatty acid and one 80mg Tablet of Aspirin per day Control: One Placebo Capsule per day Time of intervention: 6 weeks. Primary or under study outcome measures: Clinical pocket depth, Bleeding on probing, Clinical attachment loss

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013022511771N4**

Registration date: **2013-03-09, 1391/12/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-03-09, 1391/12/19

Registrant information

Name

Shirin Zahra Farhad

Name of organization / entity

Khorasgan Islamic Azad Dental School (Isfahan)

Country

Iran (Islamic Republic of)

Phone

+98 31 1664 1410

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Recruitment status

Recruitment complete

Funding source

Khorasgan Islamic Azad Dental School

Expected recruitment start date

2012-05-21, 1391/03/01

Expected recruitment end date

2012-11-21, 1391/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of adjunctive low dose doxycycline with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis

Public title

comparison of doxycycline effect with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: chronic mild to moderate periodontitis. Exclusion criteria: Patients with any infectious or systemic diseases; no drug usage at all; pregnant, breast feeder patients; patients allergic to antibiotics; no scaling and root planning or periodontal surgeries in the last six months; no usage of antibiotic drugs during the last six

months; Smokers, alcoholics; patients with poor oral hygiene or patients with poor compliance

Age

From **25 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **45**

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

Islamic Azad Dental School Khorasgan Branch,
(Isfahan), Iran

Street address

Islamic Azad University Khorasgan (Isfahan) Branch,
University Boulevard, Arghavanieh, Eastern Jay
Street, Isfahan, Iran.

City

Isfahan

Postal code

Approval date

2012-01-28, 1390/11/08

Ethics committee reference number

90110808904

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

0 and 6 weeks

Method of measurement

By means of a periodontal probe per millimeters

2

Description

Bleeding on probing

Timepoint

0 and 6 weeks

Method of measurement

Observational with negative or positive

3

Description

Clinical attachment loss

Timepoint

0 and 6 weeks

Method of measurement

By means of a periodontal probe per millimeters

Secondary outcomes

empty

Intervention groups

1

Description

Intervention: One 20mg Capsule of Doxycycline per day

Category

Treatment - Drugs

2

Description

Intervention: One 400mg Tablet of Omega-3 fatty acid
and one 80mg Tablet of Aspirin per day

Category

Treatment - Drugs

3

Description

Control: One Placebo Capsule per day

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Khorasgan Islamic Azad Dental School (Isfahan)

Full name of responsible person

Shirin Zahra Farhad

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Person responsible for scientific inquiries

Contact

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Full name of responsible person

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Position

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Other areas of specialty/work

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

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Full name of responsible person

Shirin Zahra Farhad

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Periodontics Department of Islamic Azad University
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City

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Islamic Azad University Khorasgan Branch (Isfahan)

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

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Full name of responsible person

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Position

Assistant Professor of Periodontics

Other areas of specialty/work

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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