

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effectiveness of adjunctive Subantimicrobial Dose Doxycycline on phase I of periodontal therapy

Protocol summary

Summary

The main purpose of this study is evaluating the effectiveness of adjunctive Subantimicrobial Dose Doxycycline on phase I of periodontal therapy. The study is randomized, placebo controlled, double blind, single-center. Forty patients with chronic periodontitis with at least 14 teeth, 8 pocket with PD $\geq$ 5 mm and CAL $\geq$ 4 mm, no systemic disease or hyper sensitivity to any antibiotic from tetracycline family, no usage of antibiotic or any other drugs and periodontal therapy in 4 last months, no usage of alcohol or smoking and no pregnant and lactation, would be selected. The test group receives SRP and SDD (doxycycline, 20 mg b.i.d) but the control group receives SRP and Placebo (like starch) for three months. The expected result is improvement of clinical parameter in periodontal disease.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201203229321N1**

Registration date: **2012-04-11, 1391/01/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-04-11, 1391/01/23

Registrant information

Name

Farzane-al-sadat Vaziri

Name of organization / entity

Shahid Sadoughi University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 35 1621 4257

Email address

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Recruitment status

Recruitment complete

Funding source

Yazd Shahid Sadoughi University of Medical Sciences

Expected recruitment start date

2011-12-07, 1390/09/16

Expected recruitment end date

2012-01-09, 1390/10/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effectiveness of adjunctive Subantimicrobial Dose Doxycycline on phase I of periodontal therapy

Public title

Effectiveness of 20 mg Doxycycline on periodontal therapy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients with at least 14 teeth, 8 pocket with PD $\geq$ 5 mm and CAL $\geq$ 4 mm. Exclusion criteria: patients with systemic disease or hyper sensitivity to any antibiotic from tetracycline family; usage of antibiotic or any other drugs and periodontal therapy in 4 last months; usage of alcohol or smoking; pregnancy and lactation.

Age

From **26 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 40

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

Yazd Shahid Sadoughi University of Medical Sciences

Street address

Bulding number 2, bahonar Square

City

Yazd

Postal code

Approval date

2011-07-23, 1390/05/01

Ethics committee reference number

17/1/50351/پ

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

Pocket depth

Timepoint

Base line, 3 and 6 months later

Method of measurement

Williams probe (mm)

2

Description

Clinical attachment loss

Timepoint

Base line, 3 and 6 months later

Method of measurement

Williams probe (mm)

3

Description

Bleeding on probing

Timepoint

Base line, 3 and 6 months later

Method of measurement

Williams probe (mm)

Secondary outcomes

empty

Intervention groups

1

Description

Scaling and 20 mg Doxycycline b.i.d for 3 months.

Category

Treatment - Drugs

2

Description

Scaling and placebo (starch, 20mg, b.id) for 3 months.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Sadoughi University of Medical Sciences and Health Services

Full name of responsible person

Street address

City

Yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Sadoughi University of Medical Sciences and Health Services

Full name of responsible person

Dr Mir-Mohammadi

Street address

Building number 2, Bahonar square

City

Yazd

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahid Sadoughi University of Medical Sciences and Health Services

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

Dental School, Shahid Sadoughi University of Medical Sciences

Full name of responsible person

Dr. Ahmad Haerian

Position

PHD

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