

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jul 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

ahmad.haerian@ssu.ac.ir

##### 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**

**Street address**

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ahmad.haerian@ssu.ac.ir

**Web page address**

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Dental School, Shahid Sadoughi University of Medical Sciences

**Full name of responsible person**

Farzanealsadat Vaziri

**Position**

Post graduate of periodontology

**Other areas of specialty/work**

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Dental School, Shahid Sadoughi University of Medical Sciences

**Full name of responsible person**

Farzanealsadat Vaziri

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Post graduate of periodontology

**Other areas of specialty/work**

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**Fax**

**Email**

farzane.vaziri@gmail.com

**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*