

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of the effect of Amoxicillin and Metronidazole as an adjunct to full mouth scaling and root planning of chronic periodontitis

Protocol summary

Summary

Aim of this study was to evaluate effect of amoxicillin and metronidazole as adjunctive to scaling and root planning. 30 chronic periodontitis patients were selected who needed scaling and root planning. These patients were excluded from the study if they have used systemic antibiotics during last two months or subgingival scaling or periodontal surgery was done for them. Patients were divided into two equal groups and scaling was done for both of them. Amoxicillin with methronidazole were prescribed after scaling in test group for one week. Probing depth and clinical attachment loss were evaluated at base line and one month later.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014020816141N2**

Registration date: **2014-02-17, 1392/11/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-02-17, 1392/11/28

Registrant information

Name

Janet Moradi Haghgou

Name of organization / entity

Dental Faculty

Country

Iran (Islamic Republic of)

Phone

+98 81 1838 1074

Email address

j.moradi@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Periodontology Department of Hamadan Dentistry Faculty

Expected recruitment start date

2012-12-21, 1391/10/01

Expected recruitment end date

2013-04-21, 1392/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of Amoxicillin and Metronidazole as an adjunct to full mouth scaling and root planning of chronic periodontitis

Public title

Effect of Amoxicillin and Metronidazole in recovery of chronic periodontitis

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Systemically healthy; At least 12 teeth (without orthodontic appliances, implant, FPD, crown, third molar); Moderate to severe chronic periodontitis (mean CAL>3); At least 4 teeth with PD>4 and positive BOP; Radiographic view of bone loss Exclusion criteria: Systemic antibiotic and NSAIDS usage in last 2 months; SRP or periodontal surgery in last year; smoking

Age

From **25 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Hamadan Medical Sciences University

Street address

Hamadan, Hanesghah Street

City

Hamadan

Postal code

Approval date

2013-07-25, 1392/05/03

Ethics committee reference number

16/35/9/1357/د/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

probing depth

Timepoint

1 month after intervention

Method of measurement

periodontal probe

Secondary outcomes

empty

Intervention groups

1

Description

control: scaling and root planning

Category

Treatment - Other

2

Description

test: 500mg amoxicillin, 250 mg methronidazole Tid after scaling and root planning

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Periodontology Department of Hamadan Dentistry
Faculty

Full name of responsible person

dr. Ladan Ghorbaninejad

Street address

City

Hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamadan Medical Sciences University

Full name of responsible person

Dr. Shahin Kasraei

Street address

Restorative Department of Hamadan Dentistry
Faculty

City

Hamadan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Hamadan Medical Sciences University

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

Dentistry Faculty

Full name of responsible person

Janet Moradi Haghighi

Position

Periodontist

Other areas of specialty/work

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Person responsible for scientific inquiries

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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