Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison of systemic antibiotic alone with scaling and root planing (SRP) in treatment of generalized chronic periodntitis

Protocol summary

Summary

Introduction: In most cases of periodontal therapy, antibiotics are suggested as adjuvant. It is necessary to evaluate the effect of systemic administration of antibiotics in treatment of periodontal diseases and introduce a cost-effective method for managing of periodontal infections in population which do not have access to periodontal therapy. Aim: comparison the effect of antibiotics alone, scaling and root planing (SRP) alone or SRP combined with antibiotics as gold standard approach in Improvement of PPD of patients with chronic periodontitis. Material and Method: This was an experimental study. It was conducted on 44 patients with chronic peridontitis. They were randomly assigned to three groups as follows: 1- SRP Group receiving scaling and root planing alone. 2- AB Group that received antibiotic. 3- Combination Group that received SRP and antibiotic. Clinical measurements including probing depth (PPD) and gingival bleeding index (GBI) and plaque index (PI) were taken – at base line and 3 months after the treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105123720N2**
Registration date: **2012-01-18, 1390/10/28**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2012-01-18, 1390/10/28

Registrant information

Name

Roya Shariatmadarahmadi

Name of organization / entity

Department of periodontology, Dental branch, Islamic Azad University

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

personal

Expected recruitment start date

2009-07-06, 1388/04/15

Expected recruitment end date

2010-04-09, 1389/01/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of systemic antibiotic alone with scaling and root planing (SRP) in treatment of generalized chronic periodntitis

Public title

Comparison of systemic antibiotic alone with scaling and root planing (SRP) in treatment of generalized chronic periodntitis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: more than30years old; at least 12 natural healthy tooth with at least 1 molar in each quadrant; at least 6 pocket with ppd. Exclusion criteria: any systemic disease.

Age
From **30 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **44**
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
Islamic azad university, Dental branch
Street address
No 4, Neyestan 10th, Pasdaran
City
Tehran
Postal code
Approval date
2010-05-31, 1389/03/10
Ethics committee reference number
17057

Health conditions studied

1

Description of health condition studied
chronic periodontitis
ICD-10 code
KO5.3
ICD-10 code description
chronic periodontitis

Primary outcomes

1

Description
probing pocket depth
Timepoint
before treatment, 3 month after treatment
Method of measurement
by periodontal probe (mm)

Secondary outcomes

1

Description
gingival bleeding index
Timepoint
before treatment, 3 months after treatment
Method of measurement
visual (percent)

2

Description
plaque index
Timepoint
before treatment, 3 months after treatment
Method of measurement
the Quigly-Hien Plaque index

Intervention groups

1

Description
First or SRP Group: scaling and root planing alone.
Category
Treatment - Other

2

Description
Second or AB Group: antibiotic alone. I. cap.Amoxicillin 500mg, oral, 3times a day, 10days; II. Tab. Metronidazole 250mg, oral, 3 times a day, 10days.
Category
Treatment - Drugs

3

Description
Third or Combination Group: Scaling & root planing and antibiotic. I. cap. Amoxicillin 500mg, oral, 3 times a day, 10days. II. Tab. Metronidazole 250mg, oral, 3 times a day, 10days.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Islamic azad university, Dental branch
Full name of responsible person
Dr.Roya Shariatmadar Ahmadi
Street address

N0 4, Neyestan 10th, Pasdaran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Dr.Samira Hajisadeghi

Full name of responsible person

Dr.Samira Hajisadeghi

Street address

N0 4, Neyestan 10th, Pasdaran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Dr.Samira Hajisadeghi

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

Islamic Azad university, Dental branch

Full name of responsible person

Dr.Samira Hajisadeghi

Position

post graduate studant of oral & maxillofacial medicine

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Dental branch of Islamic Azad university

Full name of responsible person

Dr. Roya Shariatmadar Ahmadi

Position

periodontist, assistant prof. of department of periodontics of Azad university

Other areas of specialty/work

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Person responsible for updating data

Contact

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