

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jun 2026

Efficacy of connective tissue graft as a membrane and ABBM With and without PRP in treatment of intrabony defects

Protocol summary

Summary

Aims: The aim of this study is to clinically evaluate the efficacy of ABBM and GTR by the means of connective tissue as a membrane (CTG) with and without PRP in treatment of intrabony defects. Materials and methods : In this double-blind randomized clinical trial 15 pair of intrabony defects in 15 patients with chronic periodontal disease were randomly treated with a combination of either PRP+ABBM+CTG or ABBM+CTG. The following clinical parameters were evaluated at baseline and at 6 months Re-entry with using a stent as reference point: probing pocket depth (PPD), clinical attachment level (PAL-S), free gingival margin position (FGM-S), crestal position(CREST-S),Crest to defect depth and defect depth to stent.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201104116167N1**

Registration date: **2011-10-27, 1390/08/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-10-27, 1390/08/05

Registrant information

Name

Omid Moghaddas

Name of organization / entity

Islamic Azad University of Isfahan(Khorasgan)

Country

Iran (Islamic Republic of)

Phone

+98 31 1535 4053

Email address

o.moghaddas@khuisf.ac.ir

Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2010-03-11, 1388/12/20

Expected recruitment end date

2011-03-06, 1389/12/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy of connective tissue graft as a membrane and ABBM With and without PRP in treatment of intrabony defects

Public title

Efficacy of connective tissue graft as a membrane and ABBM With and without PRP in treatment of intrabony defects

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: No amount of 25% or less plaque before surgery . Teeth with a mobility of less than 3 Miller . Endodontic treatment of teeth or vital teeth. . Patients with moderate to advanced chronic periodontitis and at least one pair of radiographic lesions in non-adjacent teeth, and vertically between the minimum level of attachment to the CEJ from the first phase of treatment is 5 mm. The depth of the defect during surgery is at least 3 mm. The vertical wall is 2 or 3 bone lesions. Exclusion criteria: 1. Systemic diseases 2. Pregnancy and breast feeding 3. The systemic use of

antibiotics in the past three months 4. Abnormal platelet count before surgery in a month 5. Furcation involvement and grade 3 or 4 6. Other forms of chronic periodontitis periodontitis to 7. History of periodontal surgery in 6 Months

Age

From **20 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)

Double 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 Faculty, Khorasgan, Isfahan

Street address

Islamic Azad University, Dental Faculty, Khorasgan, Isfahan

City

Isfahan

Postal code

Approval date

2010-01-16, 1388/10/26

Ethics committee reference number

23810201892022

Health conditions studied

1

Description of health condition studied

Alveolar vertical bony defects

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Pocket depth

Timepoint

Before and 6 months after

Method of measurement

Probe and Acrylic stent

2

Description

Clinical attachment level

Timepoint

Before and 6 months after

Method of measurement

Probe and Acrylic stent

3

Description

Free gingival margin position

Timepoint

Before and 6 months after

Method of measurement

Probe and Acrylic stent

4

Description

Alveolar crest position

Timepoint

During and 6 months after

Method of measurement

Probe and Acrylic stent

5

Description

Defect depth to Stent

Timepoint

Before and 6 months after

Method of measurement

Probe and Acrylic stent

Secondary outcomes

empty

Intervention groups

1

Description

Connective Tissue as a Membrane And ABBM(anorganic bovine bone) With PRP .

Category

Treatment - Surgery

2

Description

Connective Tissue as a Membrane And ABBM(anorganic bovine bone) Without PRP .

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Dental Faculty,Islamic Azad University,Khorasgan
Isfahan

Full name of responsible person

Street address

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Dental Faculty,Islamic Azad University,Khorasgan
,Isfahan

Full name of responsible person

Vahid Esfahanian

Street address

Dental Faculty,Islamic Azad University,Khorasgan
,Isfahan

City

Isfahan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Dental Faculty,Islamic Azad University,Khorasgan
,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

Dental Faculty,Islamic Azad University,Khorasgan
,Isfahan

Full name of responsible person

Omid Moghaddas

Position

Periodontist

Other areas of specialty/work

Street address

Dental Faculty,Islamic Azad University,Khorasgan
,Isfahan

City

Isfahan

Postal code

Phone

+98 31 1535 4066

Fax

Email

hmonn555@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Dental Faculty,Islamic Azad University,Khorasgan
,Isfahan

Full name of responsible person

Omid Moghaddas

Position

Periodontist

Other areas of specialty/work

Street address

Dental Faculty,Islamic Azad University,Khorasgan
,Isfahan

City

Isfahan

Postal code

Phone

+98 31 1535 4054

Fax

Email

hmonn555@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Full name of responsible person

Omid Moghaddas

Position

Other areas of specialty/work

Street address

City

Postal code

Phone

Fax

Email

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