

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### The Effect Of Biocurcumax TM Curcumin (BCM-95) In Patients With Moderate Chronic Periodontitis

#### Protocol summary

##### Summary

the periodontal disease is a common cause of dentoalveolar problems and curcumin has an antioxidant and anti-inflammatory properties and it can protect from oxidative stress and relief the pain. so this study tries to evaluate the effect of curcumin in clinical parameter after scaling and root planning in the patient with moderate chronic periodontitis. the samples are selected from the patients who refer to dental faculty of babol. The clinical parameters gingival index (GI) Loe and Silness, Bleeding index (BI) Mombelli, the probe depth and the clinical level would be recorded in the beginning of the study and the 8 weeks and 4 months later. All the patients would be under scaling and root planning. The group of patients after the scaling and root planning would take BCM-95 Curcumin 500mg twice daily as oral capsules for 8 months. The ones of the control group would take the placebo. For blinding we will use same color capsule in same and coded boxes. after finishing the plan and statistical analysis, the codes are declared. Using the SPSS statistical software and the T-Test statistical tests, the difference between the data would be analyzed. the control group take placebo. patients, analyzer, and practitioner don't know which group receives placebo.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014070918413N2**  
Registration date: **2014-08-14, 1393/05/23**  
Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2014-08-14, 1393/05/23

#### Registrant information

##### Name

Farhad Dabbagh Sattari

##### Name of organization / entity

Babol University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 11 4422 1555

##### Email address

fdabbaghsattari@mubabol.ac.ir

#### Recruitment status

##### Recruitment complete

#### Funding source

babol university of medical science, the drug producer company

#### Expected recruitment start date

2014-09-23, 1393/07/01

#### Expected recruitment end date

2015-09-23, 1394/07/01

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

The Effect Of Biocurcumax TM Curcumin (BCM-95) In Patients With Moderate Chronic Periodontitis

#### Public title

The Effect Of Biocurcumax TM Curcumin (BCM-95) In Patients With Moderate Chronic Periodontitis

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

Inclusion criteria: In the present clinical trial study, 30 patients who are systemically healthy, but suffering from moderate chronic Periodontitis were selected. They had

at least one periodontal pocket of a probe depth of 4-6 millimeters in each quadrant and bleeding during the probe. The patients who had a background of tooth scaling and root planning within the past 12 months; Exclusion criteria: those with high risk medical conditions, pregnant or breast feeding mothers, those who were cured with antibiotics or anti-inflammatory, antioxidants, or anti TNF- $\alpha$  within the past 6 months, as well as the presently smokers and those who have quit smoking within 1 year of the study, are not included in the research.

**Age**

No age limit

**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)**

Triple blinded

**Blinding description****Placebo**

Used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Babol University of Medical Science, Vice Chancellor for Research and Technology

**Street address**

Babol, Ganj Afrouz Street, Babol University of Medical Science, Vice Chancellor for Research and Technology

**City**

babol

**Postal code****Approval date**

2014-06-03, 1393/03/13

**Ethics committee reference number**

4232

**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**

gingival index

**Timepoint**

0, 8 week later,4 month later

**Method of measurement**

the method of silness&loe,using periodontal probe

**2****Description**

clinical attachment level

**Timepoint**

0, 8 weeks later,4 month later

**Method of measurement**

with probe

**3****Description**

gingival sulcus bleeding index

**Timepoint**

0 ,8weeks later,4 month later

**Method of measurement**

after using probe,wait for 15 seconds

**4****Description**

probinf pocket depth

**Timepoint**

0, 8weeks later ,4 month later

**Method of measurement**

probe periodontal

**Secondary outcomes**

empty

**Intervention groups****1****Description**

in cases for 4 weeks, two capsules(500mg) within meal will be given.

**Category**

Treatment - Drugs

**2****Description**

in the control group for 4 weeks 2 Placebo capsules with meals will be given.

**Category**  
Placebo

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Babol University of Medical Science, Faculty of Dentistry, Department of Periodontics

**Full name of responsible person**

hedieh ehsani

**Street address**

Babol, Ganj Afruz Street, Babol University of Medical Science

**City**

babol

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Babol University of Medical Science, Vice Chancellor for Research and Technology

**Full name of responsible person**

Hedieh Ehsani

**Street address**

Babol University of Medical Science, Ganj Afruz Street, Babol

**City**

Babol

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Babol University of Medical Science, Vice Chancellor for Research and Technology

**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**

Babol University of Medical Science

**Full name of responsible person**

Hedieh Ehsani

**Position**

student

**Other areas of specialty/work**

**Street address**

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## Person responsible for scientific inquiries

### Contact

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**Full name of responsible person**

Farhad DabbaghSattari

**Position**

Periodontologist

**Other areas of specialty/work**

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## Person responsible for updating data

### Contact

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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*