

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

11 Jul 2026

### Evaluation Non-surgical treatment effect on Salivary Interleukin 6 and Interleukin 17 in patients with chronic periodontitis

#### Protocol summary

##### Summary

In early phase, periodontal parameters including plaque index, pocket depth, clinical attachment loss and bleeding on probing were measured. All participants (study and control groups) received full written and verbal information about the study and signed the informed consent form. Control samples conform the same age and sex with no history of any systemic and periodontal diseases. Five ml non stimulatory saliva was collected after scaling. Samples collected in a certain time of the day. Patients should not eat, chew gum and drink fluids except water 1 hour before sampling. Following, patients undergo non surgical treatment and oral hygiene construction. Second salivary samples will be collected and the indices will be evaluated 1 month after scaling. Samples will be kept at temperature -20 C.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016053025649N5**

Registration date: **2016-06-09, 1395/03/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2016-06-09, 1395/03/20

##### Registrant information

###### Name

Masoome Eivazi

###### Name of organization / entity

Kermanshah University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 83 3822 8397

###### Email address

m.eivazi@kums.ac.ir

###### Recruitment status

**Recruitment complete**

###### Funding source

Kermanshah University of Medical Sciences

###### Expected recruitment start date

2016-02-04, 1394/11/15

###### Expected recruitment end date

2016-03-05, 1394/12/15

###### Actual recruitment start date

empty

###### Actual recruitment end date

empty

###### Trial completion date

empty

###### Scientific title

Evaluation Non-surgical treatment effect on Salivary Interleukin 6 and Interleukin 17 in patients with chronic periodontitis

###### Public title

Scaling effect on 2 salivary factors in patients with gingival inflammation

###### Purpose

Diagnostic

###### Inclusion/Exclusion criteria

Inclusion criteria: good general health with no history of any systemic disease, no history of antibiotic therapy during 2 months before the study begins; no history of NSAID therapy. Exclusion criteria: smoking or alcohol abuse; patients with mucousal inflammatory lesions such as lichen planus or salivary glands disorders; pregnant or lactating females.

###### Age

From **18 years** old to **99 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**Ethics Committee of Kermanshah University of  
Medical Sciences**Street address**Ethics Committee of Kermanshah University of  
Medical Sciences, Shahid Beheshti Blvd**City**

Kermanshah

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

2016-05-25, 1395/03/05

**Ethics committee reference number**

KUMS.REC.1395.136

**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**

IL-6

**Timepoint**

1 month after scaling

**Method of measurement**

Measured by specialized ELISA KIT

**2****Description**

IL-17

**Timepoint**

1 month after scaling

**Method of measurement**

Measured by specialized ELISA KIT

**3****Description**

pocket depth

**Timepoint**

screening day , 1 month after scaling

**Method of measurement**Measuring the distance of pocket base to the gingival  
margin with periodontal probe**4****Description**

clinical attachment loss

**Timepoint**

screening day , 1 month after scaling

**Method of measurement**Measuring the distance of pocket base to the CEJ. Any  
changes in this normal amount is defined as clinical  
attachment loss.**5****Description**

plaque index

**Timepoint**

screening day , 1 month after scaling

**Method of measurement**

colored surfaces of tooth by disclosing agent

**6****Description**

bleeding on probing

**Timepoint**

screening day , 1 month after scaling

**Method of measurement**

Observe bleeding after probing

**Secondary outcomes**

empty

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

Intervention group: scaling and root planning

**Category**

Treatment - Other

**2****Description**

Control group: collecting saliva samples

**Category**

N/A

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Periodontics, Dentistry School of Kermanshah  
University of Medical Sciences

**Full name of responsible person**

Masoome Eivazi

**Street address**

Dentistry School, Shora Street, Shariati Street

**City**

Kermanshah

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Kermanshah University of Medical Sciences

**Full name of responsible person**

Kourosh Hamzei

**Street address**

Kermanshah University of Medical Sciences , Shahid  
Beheshti Blvd

**City**

Kermanshah

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Kermanshah University of Medical Sciences

**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**

Kermanshah Dentistry School

**Full name of responsible person**

Dr. Masoome Eivazi

**Position**

Assistant professor

**Other areas of specialty/work**

**Street address**

Oposite the post office, Shora Street, Shariati Street

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m.eivazi@kums.ac.ir

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**Name of organization / entity**

Kermanshah Dentistry School

**Full name of responsible person**

Dr. Masoome Eivazi

**Position**

PhD

**Other areas of specialty/work**

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**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*