

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation the effect of green tea mouthwash on gingival indices in gingivitis suffered patients

Protocol summary

Summary

Effect of hydroalcoholic extract of green tea mouth wash will be evaluated on gingivitis in this study. The study is double blinded clinical trial. The patients will randomly divide into two groups of test and control. Each group will consist of twenty five patients suffering from plaque induced gingivitis who were referred to periodontics department of Hamadan dentistry faculty. Hydroalcoholic extract of green tea for test group and chlorhexidine mouth wash will be used for control group. Plaque index, bleeding on probing and gingival index variables will measure on base line, one month and two months after mouthwash usage. All examinations and measurements will be done by one dentist with Williams's periodontal probe. Plaque index will be evaluated by disclosing agent.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016111223468N3**

Registration date: **2017-05-03, 1396/02/13**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-05-03, 1396/02/13

Registrant information

Name

Nazli Rabienejad

Name of organization / entity

Hamadan university of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Hamadan University of Medical Sciences

Expected recruitment start date

2017-05-10, 1396/02/20

Expected recruitment end date

2017-12-10, 1396/09/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of green tea mouthwash on gingival indices in gingivitis suffered patients

Public title

Evaluation the effect of green tea mouthwash on gingival health

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: diagnosis of plaque induced gingivitis.

Exclusion: systemic disease; pregnancy; smoking; antibiotic consumption during study and six month before; any other mouth wash during study.

Age

From **20 years** old to **60 years** old

Gender

Both

Phase

1-2

Groups that have been masked

No information

Sample size

Target sample size: 50

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ethics Committee of Hamedan University of Medical Sciences

Street address

Hamedan University of Medical Sciences, Mardom street

City

Hamedan

Postal code**Approval date**

2016-10-08, 1395/07/17

Ethics committee reference number

IR.UMSHA.REC.1395.322

Health conditions studied**1****Description of health condition studied**

Gingivitis

ICD-10 code

K05.1

ICD-10 code description

Gingivitis (chronic): NOS desquamative hyperplastic simple marginal ulcerative

Primary outcomes**1****Description**

Plaque index

Timepoint

Baseline, one and two months after

Method of measurement

Inspection

2**Description**

Bleeding on probing

Timepoint

Baseline, one and two months after

Method of measurement

Periodontal prob

3**Description**

Gingival index

Timepoint

Baseline, one and two months after

Method of measurement

Inspection

Secondary outcomes

empty

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

Intervention group: green tea mouth wash twice a day for 2 months

Category

Treatment - Other

2**Description**

Control group: placebo mouthwash twice a day for two months

Category

Placebo

Recruitment centers**1****Recruitment center****Name of recruitment center**

Hamedan Dental Faculty

Full name of responsible person

Nazli Rabinejad

Street address

Hamedan Dental Faculty, Mardom street

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research, Hamedan University of Medical Sciences

Full name of responsible person

Dr. Saeed Bashirian

Street address

Hamedan University of Medical Sciences, Mardom street

City

Hamedan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice chancellor for research, Hamedan 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**

Hamedan Dentistry Faculty

Full name of responsible person

Nazli Rabinejad

Position

Assistant professor

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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*