

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Evaluation the effect of Ascorbic acid on urinary level of oxidative stress factors, during dental bleaching materials.

Protocol summary

Sciences

Summary

The aim of this study is evaluation the effect of ascorbic acid on oxidative stress during dental bleaching, was done in patients want to bleached discolorations of their teeth. People with severe tooth sensitivity, pregnant and milking women excluded form trial. This study was done in 30 patients, to evaluate the effect of daily application of 1 geram of vitamin C on urinary level of malondialdehyde during 20 days.

Expected recruitment start date

2013-01-20, 1391/11/01

Expected recruitment end date

2013-02-19, 1391/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012113011618N1**

Registration date: **2013-01-21, 1391/11/02**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-01-21, 1391/11/02

Registrant information

Name

Hamideh Sadat Mohammadipour

Name of organization / entity

Mashhad Dental Faculty

Country

Iran (Islamic Republic of)

Phone

+98 51 1883 2300

Email address

mohammadih891@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Research Office of Mashhad University of Medical

Scientific title

Evaluation the effect of Ascorbic acid on urinary level of oxidative stress factors, during dental bleaching materials.

Public title

Evaluation the effect of vitamin C on urinary level of oxidative factors, during dental bleaching.

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion: people with tooth discoloration that want to be treated Exclusion: People with dental or systemic problems that bleaching contraindicated fo them; people with special disease or diet (for exampleconsumption of multi vitamins with antioxidation capacity) that oxidant-antioxidant level is changing; pregnant and milking women; people with severe tooth sensitivity

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)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Mashhad University of Medical Sciences

Street address

Ghoraishi apartment, Daneshgah street

City

Mashhad

Postal code

Approval date

2012-10-20, 1391/07/29

Ethics committee reference number

901092

Health conditions studied

1

Description of health condition studied

Oxidative stress

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Urinary level of Malondialdehyde

Timepoint

every five dayes

Method of measurement

micro mole /geram

Secondary outcomes

empty

Intervention groups

1

Description

Interventional group: Daily one geram vitamin C (two 500 miligeram chewable tablets) for 14 days

Category

Prevention

2

Description

Control: without any drugs

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Mashhad Dental Faculty

Full name of responsible person

Majid Akbari

Street address

In front of Mellat park, Vakilabad boulevard

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Science

Full name of responsible person

Mohsen Tafaghodi

Street address

Ghoraishi apartment, Daneshgah street

City

Mashhad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Mashhad University of Medical Science

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

Mashhad University of Medical Science

Full name of responsible person

Majid Akbari

Position

Restorative dentistry

Other areas of specialty/work

Street address

Dental faculty, in front of Mellat park, Vakilabad boulevard

City

Mashhad

Postal code

Phone

+98 51 1883 2300

Fax

+98 88 29500

Email

Akbarim@mums.ac.ir

Web page address

www.mums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mashhad University of Medical Science

Full name of responsible person

Majid Akbari

Position

Restorative dentistry

Other areas of specialty/work

Street address

Dental faculty, in front of Mellat park, Vakilabad boulevard

City

Mashhad

Postal code

Phone

+98 51 1883 2300

Fax

+98 88 29500

Email

Akbarim@mums.ac.ir

Web page address

www.mums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Mashhad University of Medical Science

Full name of responsible person

Hamideh Sadat Mohammadipour

Position

Post graduate student

Other areas of specialty/work

Street address

Dental faculty, in front of Mellat park, Vakilabad boulevard

City

Mashhad

Postal code

Phone

+98 51 1883 2300

Fax

+98 88 29500

Email

Mohammadih891@mums.ac.irhm_7264@yahoo.com

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