Clinical Trial Protocol
Iranian Registry of Clinical Trials

21 Nov 2026

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

Protocol summary

Summary

The aim of this study is evaluation the effect of ascorbic asid 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 excluted 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.

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 Sciences

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

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 vitamines 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 boulvard
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 boulvard

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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

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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

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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