

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Assessment of systemic effects of ginger on salivation in patients with post-radiotherapy xerostomia.

Protocol summary

Summary

The aim of our study was to evaluate the clinical efficacy of ginger capsule (Zintoma herbal capsule) in the relief of symptoms in patients with post-radiotherapy xerostomia. Sixty one subjects were selected from patients with xerostomia of Imam Khomeini Cancer Institute. The patients received ginger capsule or placebo three times daily over a 2 weeks period. Our primary outcome was improvement of xerostomia. Xerostomia was measured through a 100-score visual analogue scale at the baseline and 14 days after intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138807012227N2**
Registration date: **2009-11-28, 1388/09/07**
Registration timing: **na**

Last update:

Update count: **0**

Registration date

2009-11-28, 1388/09/07

Registrant information

Name

Arezoo Alaie

Name of organization / entity

Kerman dental school

Country

Iran (Islamic Republic of)

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Recruitment status

Not enough for processing

Funding source

Kerman Neuroscience Research Center, Kerman
University of Medical Sciences, Kerman, Iran

Expected recruitment start date

2008-07-20, 1387/04/30

Expected recruitment end date

2006-10-27, 1385/08/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment of systemic effects of ginger on salivation in patients with post-radiotherapy xerostomia.

Public title

Assessment of systemic effects of ginger on salivation in patients with post-radiotherapy xerostomia.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Presence of Xerostomia, age more than 18 years old
Exclusion criteria: Age less than 18 years, smoking, consumption of anticoagulants or Nifedipine, presence of Sjogren syndrome, diabetes mellitus, or end stage cancer, pregnancy, radiotherapy within 3 months prior to study

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

0

Groups that have been masked

No information

Sample size

Target sample size: **61**

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 Kerman University of Medical Sciences

Street address

Kerman Neuroscience Research Center, Kerman University of Medical Sciences, Tahmasb abad cross, Kerman, Iran

City

Kerman

Postal code

Approval date

empty

Ethics committee reference number

87/103/5

Health conditions studied

1

Description of health condition studied

xerostomia

ICD-10 code

k11.7

ICD-10 code description

Disturbance of salivary secretion

Primary outcomes

1

Description

Improvement of xerostomia

Timepoint

After two weeks

Method of measurement

questionnaire

Secondary outcomes

1

Description

improvement of symptom such as chewing, swallowing, speaking

Timepoint

After two weeks

Method of measurement

questionnaire

Intervention groups

1

Description

ginger capsule (zintoma, goldaru), three times a day, for two weeks

Category

Treatment - Drugs

2

Description

starch capsules as placebo, three times a day, for two weeks

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Cancer Institute

Full name of responsible person

Dr. Bita Kalagchi

Street address

Imam Khomeini Cancer Institute.

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kerman Neuroscience Research Center, Kerman University of Medical Sciences,

Full name of responsible person

Dr. Nozar Nakhai

Street address

Tahmasb abad cross

City

Kerman

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kerman Neuroscience Research Center, Kerman
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

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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