

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effect of aqueous extract of scrophularia striata on mucositis in patients undergoing chemotherapy: A randomized clinical trial

Protocol summary

Summary

Objective: The aim of this study is the evaluation of the effect of aqueous extract of scrophularia striata on mucositis in patients undergoing chemotherapy. Design: A randomized clinical trial . Setting: This study will be performed on two groups of 60 patients undergoing chemotherapy. Each group consist of 30 patients. Allocation of samples will be done by using simple random with table of random numbers. Intervention: In the intervention group, after the usual treatment (including mouthwash combination of nystatin drop, mucosamine spray, aluminum mgs syrup and diphenhydramine) after half an hour, a mouthwash will be done with aqueous extract of scrophularia striata. In control group half an hour after the usual treatment, mouthwash will be done with cold water. To determine the severity of mucositis, the mucositis intensity chart will be used. Inclusion criteria included having cancer; doing chemotherapy at least once; getting mucositis. Exclusion criteria included dissatisfaction with continued participation in research and death.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017071725929N6**

Registration date: **2017-08-01, 1396/05/10**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-08-01, 1396/05/10

Registrant information

Name

Mehdi Molavi Vardanjani

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 81 3422 5056

Email address

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for research of Hamadan University of Medical Sciences

Expected recruitment start date

2017-08-21, 1396/05/30

Expected recruitment end date

2018-01-20, 1396/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of aqueous extract of scrophularia striata on mucositis in patients undergoing chemotherapy: A randomized clinical trial

Public title

Effect of aqueous extract of scrophularia striata on mucositis

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Having cancer; doing chemotherapy at least once; getting mucositis Exclusion criteria: Dissatisfaction with continued participation in research; death

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

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

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Hamadan University of Medical Sciences

Street address

Shahid Fahmideh Street, University of Medical Sciences, Hamadan

City

Hamedan

Postal code**Approval date**

2017-06-17, 1396/03/27

Ethics committee reference number

IR.UMSHA.REC.1396.248

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

mucositis

ICD-10 code

K12.3

ICD-10 code description

drug-inducedMucositis(oral) (oropharyngeal)

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

Pain

Timepoint

Before and after intervention

Method of measurement

Questionnaire VAS

Secondary outcomes**1****Description**

Redness and inflammation of the mucus

Timepoint

Before and after intervention

Method of measurement

Questionnaire

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

In control group half an hour after the usual treatment, mouthwash will be done with cold water

Category

Treatment - Other

2**Description**

In the intervention group after half an hour of the usual treatment of the hematology ward, mouthwash will be done with aqueous extract of scrophularia striata.

Category

Treatment - Drugs

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

Besaat Hospital

Full name of responsible person

Iraj Asadi

Street address

Shahid Fahmideh Street, Hamadan University of Medical Sciences, Hamedan

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Hamedan

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

Vice Chancellor for research of Hamedan University of Medical Sciences

Full name of responsible person

Akram Mirzaei

Street address

Shahid Fahmideh Street, Hamadan University of

Medical Sciences, Hamedan

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 of 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

Hamadan University of Medical Sciences

Full name of responsible person

Khodayar Oshvandi

Position

phd

Other areas of specialty/work

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Other areas of specialty/work

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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