

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluating the effect of combined ginger and quince on nausea and vomiting in cancer patients undergoing concurrent chemotherapy and radiotherapy

Protocol summary

Summary

Objectives: This study is aimed to determine the effect of the ginger-quince compound on nausea and vomiting of cancerous patients under chemotherapy and radiotherapy treatments at the same time. **Design:** This study is a Phase 3 clinical trial; a double blind, randomized, and controlled trial that will be performed in the Cancer Center of Imam Khomeini hospital. **Setting and conduct :** 240 cancerous patients undergoing chemotherapy and radiotherapy at the same time including 120 in each group, randomly prescribed standardized ginger and quince capsules or placebo three times a day, within 15 minutes of each meal, both starting from 3 days before chemotherapy until completion of radiotherapy period (six weeks). During treatment, the routine anti-vomiting protocol for all patients will be prescribed. **Inclusion criteria:** Suffering from cancer, definitely diagnosed by a pathologist; 18 year-old or more; under chemotherapy treatments; simultaneous radiotherapy treatments inducing nausea and vomiting such as whole body or upper abdomen RT. **Exclusion criteria:** Warfarin and Heparin treatment; ASA consuming more than 80 mg; history of blood disorders; history of severe thrombocytopenia; allergy to ginger or consuming it during the past week; gastro-intestinal cancers; having nausea and vomiting induced by factors except chemotherapy or radiotherapy such as CNS tumors, HTN, renal failure or hepatic disorders; gastrointestinal problems like gastric or peptic ulcers; forgetting the use of capsules three consecutive times or more. **Intervention:** Randomized prescription of standard ginger and quince capsules or placebo. **Main outcome measures:** During this period, intensity of nausea, vomiting times, duration of vomiting and nausea following chemotherapy and radiotherapy will be measured.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012113011615N1**
Registration date: **2013-09-11, 1392/06/20**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-09-11, 1392/06/20

Registrant information

Name

Motahare Sadat Mousavian

Name of organization / entity

Medicin college, Tehran uiversity of medical sciences and health services

Country

Iran (Islamic Republic of)

Phone

+98 21 81631

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Recruitment status

Recruitment complete

Funding source

Cancer Research Center (Cancer Institute), Simorgh-e-Hekmat knowledge-base institute, Research vice-chancellor of Tehran university of medical sciences and health services

Expected recruitment start date

2013-03-15, 1391/12/25

Expected recruitment end date

2014-03-16, 1392/12/25

Actual recruitment start date

empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Evaluating the effect of combined ginger and quince on nausea and vomiting in cancer patients undergoing concurrent chemotherapy and radiotherapy

Public title
The effect of ginger-quince compound on nausea and vomiting induced by chemotherapy and radiotherapy

Purpose
Supportive

Inclusion/Exclusion criteria
Inclusion criteria: Suffering from cancer; definitely diagnosed by a pathologist; 18 year-old or more; under chemotherapy treatments; simultaneous radiotherapy treatments inducing nausea and vomiting such as whole body or upper abdomen RT. Exclusion criteria: Warfarin and Heparin treatment; ASA consuming more than 80 mg; history of blood disorders; history of severe thrombocytopenia; allergy to ginger or consuming it during the past week; gastro-intestinal cancers; having nausea and vomiting induced by factors except chemotherapy or radiotherapy such as CNS tumors, HTN, renal failure or hepatic disorders; gastrointestinal problems like gastric or peptic ulcers; forgetting the use of capsules three consecutive times or more.

Age
From **18 years** old to **149 years** old

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **240**

Randomization (investigator's opinion)
Randomized

Randomization description
Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

1
Registry name
-
Secondary trial Id
-
Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tehran university of medical sciences and health services

Street address

floor 6, Central organization of university, Next to Qods St, Keshavarz Blvd

City

Tehran

Postal code

1417653761

Approval date

2012-12-03, 1391/09/13

Ethics committee reference number

130/2133/91/3

Health conditions studied

1

Description of health condition studied

Nausea and vomiting

ICD-10 code

R11

ICD-10 code description

Nausea and vomiting

Primary outcomes

1

Description

Nausea severity

Timepoint

During the intervention, weekly

Method of measurement

Visual analogue scale

2

Description

Number of vomiting

Timepoint

During the intervention, weekly

Method of measurement

Data registration form

3

Description

Duration of vomiting

Timepoint

During the intervention, weekly

Method of measurement

Data registration form

4

Description

Duratin of nausea

Timepoint

During the intervention, weekly

Method of measurement

Data registration form

Secondary outcomes

empty

Intervention groups

1

Description

Cases is prescribed standardized ginger and quince capsules three times a day, within 15 minutes of each meal, starting from 3 days before chemotherapy until completion of radiotherapy period (six weeks)

Category

Treatment - Drugs

2

Description

Control group is prescribed placebo three times a day, within 15 minutes of each meal, starting from 3 days before chemotherapy until completion of radiotherapy period (six weeks)

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Cancer Institute of Imam Khomeini hospital

Full name of responsible person

Dr Ali Kazemian

Street address

Imam Khomeini hospital complex, Keshavarz Blvd

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research vice-chancellor, Tehran university of medical sciences and health services

Full name of responsible person

Dr Akbar Fotouhi

Street address

floor 6, Central organization of university, Next to Qods St, Keshavarz Blvd

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Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research vice-chancellor, Tehran university of medical sciences and health services

Proportion provided by this source

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

2

Sponsor

Name of organization / entity

Cancer research center (Cancer Institute

Full name of responsible person

Dr Ali Kazemian

Street address

Imam Khomeini hospital complex, Keshavarz Blvd

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Cancer research center (Cancer Institute

Proportion provided by this source

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

3

Sponsor

Name of organization / entity

Simorgh-e-Hekmat knowledge-base institute

Full name of responsible person

Dr Hossein Rezaeizade

Street address

Unit 3, Issue 4, Gity Alley, Next to the Toloe pharmacy, Keshavarz Blvd, North Kargar St

City

Tehran

Grant name

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

Yes

Title of funding source

Simorgh-e-Hekmat knowledge-base institute

Proportion provided by this source**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**

Medicin college, Tehran university of medical sciences and health services

Full name of responsible person

Motahare Sadat Mousavian

Position

Medical student

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Tehran university of medical sciences and health services, Cancer research center (Cancer Institute)

Full name of responsible person

Dr Ali Kazemian

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Full name of responsible person

Motahare Sadat Mousavian

Position

Medical students

Other areas of specialty/work**Street address**

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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*