Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 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

Email address

kazemian@tums.ac.ir

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/د

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
City
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 Ṣadat Mousavian
Position
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Other areas of specialty/work
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Person responsible for scientific inquiries

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Other areas of specialty/work
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Person responsible for updating data

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No 1, North door of Tehran university, Poursina St, Ghods St, Enghelab St
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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