Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison of the effect of zingiber and acupressure on chemotherapy induced nausea and vomiting (CINV) in patients with non-hodgkin's lymphoma

Protocol summary

Study aim
Comparison the effect of zingiber and acupressure on chemotherapy induced nausea and vomiting patients with non-hodgkin's lymphoma

Design
Controlled randomized clinical trial, with parallel groups, without blindness.

Settings and conduct
This is a randomized controlled clinical trial study in which four groups of Zingiberr, placebo of Zingiber, acupressure and placebo-acupressure will be done on 80 non-Hodgkin's lymphomas undergoing chemotherapy referring to hospitals affiliated to Tehran University of Medical Sciences.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Definite diagnosis of non-Hodgkin's lymphoma; existing at least three cycles of chemotherapy. Exclusion criteria: Sensitivity to Zingiber; history of any abnormal hemorrhage; use of blood diluent drugs; coagulation disorders

Intervention groups
1) Zingiber group (receiving 500 mg of Vomigone tablets) 2) Zingiber placebo group (receiving placebo tablets similar to Vomigone tablets) 3) Acupressure intervention group (use of acupressure wristband at the point of neiguan or P6) 4) Acupressure placebo group (Use acupressure wrisbands in opposite site of the neiguan point)

Main outcome variables
Nausea and Vomiting

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20120109008665N8**
Registration date: **2019-06-04, 1398/03/14**
Registration timing: **prospective**

Last update: **2019-06-04, 1398/03/14**
Update count: **0**

Registration date
2019-06-04, 1398/03/14

Registrant information

Name
Hassan Babamohamadi

Name of organization / entity
Semnan University of Medical Sciences

Country
Iran (Islamic Republic of)

Phone
+98 23 3365 4190

Email address
babamohamadi@sem-ums.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2019-06-22, 1398/04/01

Expected recruitment end date
2020-02-20, 1398/12/01

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Comparison of the effect of zingiber and acupressure on chemotherapy induced nausea and vomiting (CINV) in patients with non-hodgkin's lymphoma

Public title
Comparison of the effect of zingiber and acupressure on nausea and vomiting
Purpose
Prevention
Inclusion/Exclusion criteria
Inclusion criteria:
Detection of non-Hodgkin's lymphoma by an oncologist and pathologist Age between 18 and 70 years The normal values of hematological and biochemical laboratory values in the Zingiber group Stay at least three courses of chemotherapy The desire to participate in the study
Exclusion criteria:
Sensitivity to Zingiber and its consumption over the past week (at first use) The presence of sensitivity and ulcers or any skin problems at the site of use of acupressure wristband Use of blood diluent such as Aspirin, Warfarin, Heparin, Plavix and ... in the Zingiber group. Coagulation disorders (platelets less than 100,000/mm3, etc.) in the Zingiber group Receiving radiotherapy and chemotherapy simultaneously The diseases that lead to nausea and vomiting include liver, kidney, upper gastrointestinal cancer, acute hepatitis B, gastrointestinal obstruction, brain malignancies, high blood pressure, motion sickness, diabetes and electrolyte disorders such as hyponatremia and Hypokalemia Use of alcohol and opium The history of psychiatric problems in patients under treatment with acupressure wristband
Age
From **18 years** old to **70 years** old
Gender
Both

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **80**
Randomization (investigator's opinion)
Randomized
Randomization description
Assignment of samples to four groups (zingiber, acupressure, zingiber placebo and placebo of acupressure) will be done randomly using random blocks method. 10 blocks with 8 cases in each are created and every time randomly a block will be selected. In this method, A: represent zingiber group; B: acupressure; C: zingiber placebo; D: placebo of acupressure (false point).
Blinding (investigator's opinion)
Not 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 Semnan University of Medical Sciences
Street address
Semnan University of Medical Sciences (SEMUMS), Vice Chancellor of Research and Technology , Bassij Blvd., Semnan, Iran
City
Semnan
Province
Semnan
Postal code
3519899951
Approval date
2019-05-21, 1398/02/31
Ethics committee reference number
IR.SEMUMS.REC.1398.054

Health conditions studied

1

Description of health condition studied
Nausea and Vomiting
ICD-10 code
R11.2
ICD-10 code description
Nausea with vomiting, unspecified

Primary outcomes

1

Description
severity of nausea and vomiting
Timepoint
Evaluation and measurements will be performed from the first day of chemotherapy up to 5 days after the completion of chemotherapy by the patient.
Method of measurement
Morrow Assessment of Nausea and Emesis (MANE)

2

Description
frequency of nausea and vomiting
Timepoint
Evaluation and measurements will be performed from the first day of chemotherapy up to 5 days after the completion of chemotherapy by the patient.
Method of measurement
Morrow Assessment of Nausea and Emesis (MANE)

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: All participants in Zingiber intervention group, after assuring the results of the tests, in addition to the routine interventions prescribed by the physician, receive Vomigone pills (500 mg) Produced by Dineh Pharmaceutical Company for the first day of chemotherapy, half an hour before the injection of chemotherapy drugs, and the next time, at 9 o'clock of the same day. Continue taking tablets twice a day at 9 am and 9 pm, 5 days after the completion of chemotherapy. If the patient is raised, within two hours, the drug will be re-used. It has been used for three consecutive periods of chemotherapy.

Category
Prevention

2

Description
Intervention group: In the acupressure intervention group, in addition to the routine interventions prescribed by the physician, the acupressure wristbands will be closed in two hands for half an hour before starting the injection of drugs up to 5 days after the completion of chemotherapy in the neiguan (P6) point.

Category
Prevention

3

Description
Control group: In the Zingiber placebo group, placebo tablets similar to Vomigone tablets (size, shape, color, taste and dosage but lacking the active ingredient) will be used. The method is similar to the Zingiber group.

Category
Placebo

4

Description
Control group: In the acupressure placebo group, the wristbands will close on both sides of the arm on the wrist with a plastic point at the opposite point of the neiguan point (false point). The method of doing is similar to the acupressure group.

Category
Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center
Hospitals affiliated to Tehran University of Medical Sciences including Amir Aalam

Full name of responsible person
Hassan Babamohamadi

Street address
Enghelab Street - at the beginning of north Sadi Street.

City
Tehran

Province
Tehran

Postal code
3513138111

Phone
+98 21 6670 6106

Email
hamiralam@sina.tums.ac.ir

Web page address
http://amiralam.tums.ac.ir/

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Parviz Kokhaei

Street address
Semnan University of Medical Sciences, Vice Chancellor of Research and Technology, Basidj Blv, Semnan, Iran

City
Semnan

Province
Semnan

Postal code
3519899951

Phone
+98 23 3345 1336

Email
rds@semums.ac.ir

Web page address
http://rtvc.semums.ac.ir

Grant name

Grant code / Reference number

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

Title of funding source
Semnan University of Medical Sciences

Proportion provided by this source
100

Public or private sector
Public

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Hassan Babamohamadi

Position
Associate professor

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

Street address
Nursing and Midwifery Faculty, Semnan University of Medical Sciences, 5 Kilometers of Damghan Road, Semnan, Iran

City
Semnan

Province
Semnan

Postal code
3513138111

Phone
+98 23 3365 4192

Fax
+98 23 3365 4209

Email
babamohammady2007@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Hassan Babamohamadi

Position
Associate professor

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

Street address
Nursing and Midwifery Faculty, Semnan University of Medical Sciences, 5 Kilometers of Damghan Road, Semnan, Iran

City
Semnan

Province
Semnan

Postal code
3513138111

Phone
+98 23 3365 4192

Fax
+98 23 3365 4209

Email
babamohammady2007@gmail.com

Person responsible for updating data

Contact

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Hassan Babamohamadi

Position
Associate professor

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

Street address
Nursing and Midwifery Faculty, Semnan University of Medical Sciences, 5 Kilometers of Damghan Road, Semnan, Iran

City
Semnan

Province
Semnan

Postal code
3513138111

Phone
+98 23 3365 4192

Fax
+98 23 3365 4209

Email
babamohammady2007@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available

Study Protocol
Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan
Not applicable

Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report
Not applicable

Analytic Code
Not applicable

Data Dictionary
Not applicable