

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Comparison of the effect of ice massage and C-band on acute and delayed chemotherapy-induced nausea and vomiting in cancer patients

Protocol summary

Summary

This study aimed to evaluate the effect of ice massage and C-band methods on acute and delayed chemotherapy-induced nausea and vomiting in patients with cancer. Inclusion criteria for the study: experiencing at least one episode of nausea and vomiting (from moderate to severe) caused by chemotherapy; adult patients admitted to the hospital for chemotherapy; and the ability to communicate. Exclusion criteria: any critical conditions of the patient; unwillingness to continue the collaboration; mental disorders; disease or malignancy leading to nausea and vomiting; taking drugs or drinking alcohol; and any harm in neiguan point. Study population: patients undergoing chemotherapy who came to the Shahid Rajai Hospital of Yasouj, Kohgiluyeh and Boyer-Ahmad, Iran. Sample size: 105 patients were randomly divided into three groups, including intervention with ice massage (Group 1), the C-band (group 2), and the control group (Group 3). Intervention: contained three groups including Group 1: ice massage on the neiguan spot, slowly for seven minutes and twice a day for 6 days (every 12 hours); Group 2: elastic bands were closed for 6 days on neiguan point in the wrist; and Group 3: the control group. Data was collected before, 6, 12, 18 and 24 hours after the intervention and more than 2 days after the intervention. Primary outcomes: acute and delayed nausea and vomiting in cancer patients undergoing chemotherapy.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016041927467N1**

Registration date: **2016-08-20, 1395/05/30**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-08-20, 1395/05/30

Registrant information

Name

Masoumeh Mohamadian

Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Yasuj University of Medical Sciences

Expected recruitment start date

2016-05-28, 1395/03/08

Expected recruitment end date

2016-08-20, 1395/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of ice massage and C-band on acute and delayed chemotherapy-induced nausea and vomiting in cancer patients

Public title

Comparison of the effect of acupressure on nausea and vomiting caused by chemotherapy

Purpose

Supportive

Inclusion/Exclusion criteria
 Inclusion criteria: At least one course of chemotherapy which can cause moderate to severe nausea and vomiting are gone, at least once nausea caused by chemotherapy have experienced any severity, hospitalization for chemotherapy, the ability to communicate, age over 12 years, avoiding the use of drugs that confusion and lack of awareness of time and place. Exclusion criteria: the deterioration of the patient in a way that is not able to continue to participate in research, not wanting to continue to participate in the study, psychiatric disorders, gastrointestinal tract and brain cancer, electrolyte imbalances, metabolic disorders, leading to nausea and vomiting. , taking drugs and alcohol, inner ear disorders, there are issues such as inflammation, sores, swelling, fractures, burns, skin lesions and vascular problems in the neiguan (pericardium 6) .

Age
 From **12 years** old to **90 years** old

Gender
 Both

Phase
 2-3

Groups that have been masked
No information

Sample size
 Target sample size: **0**

Randomization (investigator's opinion)
 Randomized

Randomization description

Blinding (investigator's opinion)
 Single blinded

Blinding description

Placebo
 Not used

Assignment
 Parallel

Other design features
 One hundred and five patients with cancer undergoing chemotherapy in a randomized block design will be divided into three groups And being blind to a patient of intervention (that what belongs to the group of study) is not informed.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Yasuj University of Medical Sciences

Street address

Research Management of Yasuj University of Medical Sciences, Research and Technology Deputy of Yasuj University of Medical Sciences, Shahid Motahary

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City
 yasuj

Postal code
 7591994799

Approval date
 2016-05-28, 1395/03/08

Ethics committee reference number
 Code of ethics: IR.YUMS.REC.1395.45

Health conditions studied

1

Description of health condition studied

Chemotherapy Induce Nausea and Vomiting

ICD-10 code

r11

ICD-10 code description

Nausea and vomiting

Primary outcomes

1

Description

Acute and delayed nausea

Timepoint

Before the intervention, 6, 12, 18 and 24 hours after intervention from the 2 days after intervention

Method of measurement

Morrow questionnaire

Secondary outcomes

1

Description

Acute and delayed vomiting

Timepoint

Before the intervention, 6, 12, 18 and 24 hours after intervention from the 2 days after intervention

Method of measurement

Mask questionnaire

Intervention groups

1

Description

Ice massage on pericardium 6 in case group\

Category

Other

2

Description

In the second study group Elastic band has buttons for 6 days on neiguan point in the wrist, will be closed.

Category

Other

3

Description

In the control group, standard antiemetics prescribed by a physician only will be use

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Rajaiee Hospital

Full name of responsible person

Dr Ardashir Afrasyabifar

Street address

Shahid Rajaiee Hospital, Imam Hossein Square, Yasuj, Iran

City

Yasuj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Yasuj University of Medical Sciences

Full name of responsible person

Dr. Mehdi Akbartabar Touri

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Research manager office, Deputy of research and technology, Yasuj University of Medical Science, Shahid Motahari Blvd, Yasuj, Iran

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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, Yasuj 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

Yasuj University of Medical Science

Full name of responsible person

Dr Ardeshir Afrasiabifar

Position

Ph.D of Medical Surgical Nursing- Associate Professor

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