Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of mobile-based Education on nausea, vomiting and anxiety in patients undergoing chemotherapy

Protocol summary

Summary

The main objective of the study is to determine the effect of education using cell phone software on nausea, vomiting and anxiety in patients undergoing chemotherapy. Patients will be allocated into two intervention and control group through block randomization method. Each group will include 25 people. Inclusion criteria: the patient has received at least one course of chemotherapy; Patients have cisplatin or cyclophosphamide in the chemotherapy drug list; having a smart phone with the capability of software installation. Exclusion criteria: using other methods like alternative medicine or herbal remedy to control nausea, vomiting and anxiety; Any other condition that leads to nausea and vomiting in patients such as intestinal obstruction. Interventions: Intervention group: educational content will be provided to the patients through an educational cellphone software in addition to routine hospital ward education during one month. Control group: patients will receive routine hospital ward education during one month. The primary outcome variables include nausea, vomiting and anxiety.

General information

Acronym

-

IRCT registration information

IRCT registration number: **IRCT2016100430128N1**
Registration date: **2017-05-05, 1396/02/15**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-05-05, 1396/02/15

Registrant information

Name

Seyedeh Zeynab Alboghobeysh

Name of organization / entity

Ahvaz Jundishapour University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 613332368

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor For Research, Ahvaz Jundishapour University of Medical Sciences

Expected recruitment start date

2016-10-22, 1395/08/01

Expected recruitment end date

2016-11-20, 1395/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of mobile-based Education on nausea, vomiting and anxiety in patients undergoing chemotherapy

Public title

The impact of mobile-based education on side effects of chemotherapy

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: the patients have received at least one course of chemotherapy; Patients have cisplatin or cyclophosphamide in the chemotherapy drug list; having

a smart phone with the capability of software installation. Exclusion criteria: using other methods like alternative medicine or herbal remedy to control nausea, vomiting and anxiety; any other condition that leads to nausea and vomiting in patients such as intestinal obstruction.

Age
From **20 years** old to **80 years** old

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **50**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Random allocation has been done through block randomization method.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics Committee Of Ahvaz University Of Medical Sciences

Street address
Ahvaz Jundishapour University of Medical Sciences, Golestan Blvd., University City, Ahvaz

City
Ahvaz

Postal code
61357-15794

Approval date
2016-07-09, 1395/04/19

Ethics committee reference number
IR.AJUMS.REC.1395.218

Health conditions studied

1

Description of health condition studied
cancer

ICD-10 code
C80.9

ICD-10 code description
Malignant neoplasm, unspecified

Primary outcomes

1

Description
Vomiting

Timepoint
Before and one month after intervention

Method of measurement
East oncology scale

2

Description
Nausea

Timepoint
Before and one month after intervention

Method of measurement
Visul analogue scale (VAS)

3

Description
Anxiety

Timepoint
Before and one month after intervention

Method of measurement
state-trait anxiety inventory

Secondary outcomes

1

Description
-

Timepoint
-

Method of measurement
-

Intervention groups

1

Description
Intervention group: cellphone-based training. Teaching methods: providing patients with an educational cellphone software. Intervention period: a month

Category
Other

2

Description
Control group: providing patients with routin hospital ward education. Intervention period: a month

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Shafa Hospital

Full name of responsible person
Seyedeh Zeynab Alboghobeysh

Street address
Shafa Hospital, Ahvaz Jundishapour University of Medical Sciences, Golestan Blvd., Ahvaz

City
Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice Chancellor For Research Of Ahvaz Jundishapour University of Medical Sciences

Full name of responsible person
Bhzad Sharif Makhmalzadeh

Street address
Ground floor, Vice Chancellor for Research and Technological Development Ahvaz Jundishapour University of Medical Sciences, University City, Ahvaz, Khuzestan

City
ahvaz

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 Ahvaz Jundishapour 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
Ahvaz Jundishapour University of Medical Sciences

Full name of responsible person
Seyedeh Zeynab Alboghobeysh

Position
Masters student

Other areas of specialty/work

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Position
Senior student-Surgical Nursing

Other areas of specialty/work

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Person responsible for updating data

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Position
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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