Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The effect of oxygen therapy during chemotherapy on severity of chemotherapy-induced nausea and vomiting.

Protocol summary

Summary

Patients who receive the first cycle of intravenous chemotherapy in hospitals will be randomly assigned in two groups and followed in two courses. In the first course of chemotherapy the patients in group one, receive oxygen therapy during chemotherapy and patients in group two receive the routine care. In the second course of chemotherapy with the same drugs, the patients in group one receive routine care and the patients in group two receive oxygen therapy during chemotherapy. The severity of nausea and vomiting will be assessed for all of patients and compared with each others.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201305226481N4**
Registration date: **2013-06-02, 1392/03/12**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2013-06-02, 1392/03/12

Registrant information

Name

Mohsen Soleimani

Name of organization / entity

Semnan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 23 3365 4190

Email address

soli257@semums.ac.ir

Recruitment status

Recruitment complete

Funding source

Semnan University of Medical Sciences

Expected recruitment start date

2013-07-01, 1392/04/10

Expected recruitment end date

2014-09-01, 1393/06/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of oxygen therapy during chemotherapy on severity of chemotherapy-induced nausea and vomiting.

Public title

The effect of oxygen therapy during chemotherapy on nausea and vomiting.

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion Criteria: 1- First cycle of chemotherapy 2- Use of intravenous chemotherapeutic agents with moderate and severe effect of nausea and vomiting 3- Administration to hospital for chemotherapy 4- Ability to communication 5- Literate Exclusion Criteria: 1- Psychiatric disorders 2- Gastrointestinal and brain malignancy 3- Electrolyte imbalance 4- Metabolic disorders that caused nausea and vomiting 5- Drug abuse and Alcohol 6- Use of opioid drugs with self-control pump 7- Simultaneous radiotherapy 8- Disorders in inner ear

Age

From **18 years** old to **80 years** old

Gender

Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size:
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Crossover
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Semnan University of Medical Sciences
Street address
Semnan University of Medical Sciences, Semnan, Iran.
City
Semnan,
Postal code
3513138111
Approval date
2010-08-20, 1389/05/29
Ethics committee reference number
17m15-32-92

Health conditions studied

1

Description of health condition studied
Cancer
ICD-10 code
C00-C97
ICD-10 code description
Malignant neoplasms

Primary outcomes

1

Description
Nausea and Vomiting
Timepoint
pre and post intervention in two groups
Method of measurement
The Index of Nausea, Vomiting and Retching (INVR)

Secondary outcomes

1

Description
Quality of life related to nausea and vomiting
Timepoint
Pre and post intervention in two groups
Method of measurement
The Osoba’ Nausea and Emesis Module

Intervention groups

1

Description
Oxygen therapy 5 lit/min with simple face mask during chemotherapy.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Fatemieh hospital
Full name of responsible person
Mohsen Soleimani
Street address
Fatemieh Hospital- !7 shahrivar avenue- Semnan- Iran
City
Semnan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Semnan University of Medical Sciences
Full name of responsible person
Raheb Ghorbani
Street address
Semnan University of Medical Sciences, Semnan, Iran.
City
Semnan
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
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
Semnan University of Medical Sciences
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Mohsen Soleimani
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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