

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Jul 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

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Web page address**Person responsible for general inquiries****Contact****Name of organization / entity**

Semnan University of Medical Sciences

Full name of responsible person

Mohsen Soleimani

Position

Assistant Professor

Other areas of specialty/work**Street address**

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Postal code**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