Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The Comparison Effect Of ondansetron and Ginger on Incidence and Severity of Postoperative Nausea and Vomiting in Patients Undertaken Ophthalmic Surgery

Protocol summary

Summary

The aim of the study is to determine the effect of ondansetron and ginger on occurrence and severity of nausea and vomiting after eye surgery on patients. Participants in this study are 150 patients undergoing eye surgery. All patients were chosen to be between 18 and 60 years old, able to swallow capsules used in the study and also not sensitive to ginger or ondansetron. Sampling was done continuously based on availability. Participants were divided into three blocks. The first three persons were randomly chosen using three cards (A, B, C). Patients were randomized into three groups (receiving ginger, ondansetron and placebo). The severity of nausea and vomiting in patients were determined by a researcher who was unaware of the patients' treatment regime, using standard tools and a checklist. This was done once the patient was recovered, 2, 4 and 6 hours after the surgery.. Probable events(abdominal pain, heartburn, shortness of breath, diarrhea and insomnia) were recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014060918020N1**
Registration date: **2014-07-02, 1393/04/11**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-07-02, 1393/04/11

Registrant information

Name

Shahnam Sadigh Maroufi

Name of organization / entity

Faculty of Allied Medicine (IUMS)

Country

Iran (Islamic Republic of)

Phone

+98 21 8670 4732

Email address

sedighmaroufi.s@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Iran University of Medical Sciences

Expected recruitment start date

2014-06-22, 1393/04/01

Expected recruitment end date

2014-10-23, 1393/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Comparison Effect Of ondansetron and Ginger on Incidence and Severity of Postoperative Nausea and Vomiting in Patients Undertaken Ophthalmic Surgery

Public title

The Comparison Effect Of ondansetron and Ginger on Postoperative Nausea And Vomiting after Ophthalmic Surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion Criteria: Lack of cancer; Age 18 to 60 years; Ability to swallow capsules used in the study; Platelet

count above 100 thousand; Not suffering from intestinal obstruction and hepatitis; Not pregnant; Absence epilepsy, diabetes and kidney disease; Lack of anti-emetic drugs; Lack of long-term treatment with corticosteroids; No history of allergy to ginger or ondansetron Exclusion Criteria: Severe nausea and vomiting after surgery and require to use antisemitic

Age
From **18 years** old to **60 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **150**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Triple 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 Iran University of Medical Sciences

Street address
Iran University Campus, Hemmat freeway, next to Milad tower Tehran, Iran

City
Tehran

Postal code

Approval date
2014-06-17, 1393/03/27

Ethics committee reference number
101568

Health conditions studied

1

Description of health condition studied
Glaucoma

ICD-10 code
H40

ICD-10 code description
Glaucoma

2

Description of health condition studied
Paralytic strabismus

ICD-10 code
H49

ICD-10 code description
Paralytic strabismus

3

Description of health condition studied
cataract

ICD-10 code
H25

ICD-10 code description
capsular glaucoma with pseudoexfoliation of lens

Primary outcomes

1

Description
Nausea

Timepoint
2,4,6 hours after surgery

Method of measurement
Using a Check lists and standard tools

2

Description
Vomiting

Timepoint
2,4,6 hours after surgery

Method of measurement
Using a Check lists and standard tools

Secondary outcomes

1

Description
Cramp

Timepoint
2, 4, 6 hours after surgery

Method of measurement
Visual analysis and Scoring

2

Description
Heartburn

Timepoint
2, 4, 6 hours after surgery

Method of measurement
Visual analysis and Scoring

3

Description
Dyspenia
Timepoint
2, 4, 6 hours after surgery
Method of measurement
Visual analysis and Scoring

4

Description
diarrhea
Timepoint
2, 4, 6 hours after surgery
Method of measurement
Visual analysis and Scoring

5

Description
Insomnia
Timepoint
2, 4, 6 hours after surgery
Method of measurement
Visual analysis and Scoring

Intervention groups

1

Description
Intervention 1: administration of ginger capsules contain 1000 mg drug with 30 cc water 1 hour before surgery
Category
Treatment - Drugs

2

Description
Control: administration of placebo capsule with 30 cc water 1 hour before surgery
Category
Treatment - Drugs

3

Description
Intervention 2: administration of Ondansetron capsules contain 16 mg drug with 30 cc water 1 hour before surgery
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Rasool Akram Hospital
Full name of responsible person
Fereshte Kabiri
Street address
Satarkhan St.
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research of Iran University of Medical Sciences
Full name of responsible person
Seyyed Ali Javad Mousavi
Street address
Iran University Campus, Hemmat FreeWay, Next to Milad Tower Tehran, Iran
City
Tehran
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 Iran 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
Iran University of Medical Sciences
Full name of responsible person
Parisa Moradi Majd
Position
Master of Sciences
Other areas of specialty/work
Street address
Iran University Campus, Hemmat FreeWay, Next to Milad Tower Tehran, Iran
City
Tehran
Postal code
Phone
+98 21 8670 4727
Fax
Email
moradimajd.p@gmail.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences

Full name of responsible person
Shahnam Sadigh Maruofi

Position
PhD Student Of Medical Education

Other areas of specialty/work

Street address
Iran University Campus, Hemmat FreeWay, Next to Milad Tower Tehran, Iran

City
Tehran

Postal code

Phone
+98 21 8670 4732

Fax

Email
shsphd@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity
Iran University of Medical Sciences

Full name of responsible person
Parisa Moradi Majd

Position
Master Of Science

Other areas of specialty/work

Street address
Iran University Campus, Hemmat FreeWay, Next to Milad Tower Tehran, Iran

City
Tehran

Postal code

Phone
+98 21 8670 4727

Fax

Email
moradimajd.p@gmail.com

Web page address

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