Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Jul 2026

Investigation of the effectiveness of acupressure on P6 on reduction of postoperative nausea and vomiting in patients undergoing strabismus surgery

Protocol summary

Summary

This was a double blind randomized trial on 60 patients undergoing Strabismus surgery, in Farabi super specialty eye hospital. After taking informed consent, eligible patients were randomly assigned into intervention or placebo groups. The intervention group took acupressure from half an hour before induction of anesthesia until 6 hours after the surgery. Acupressure was applied by sea-band with button on the P6 point. In the placebo group, the sea-band was placed in the opposite position of patient's wrist. The Patients were studied in the recovery room and 6 hours after the surgery by another person who was not informed of the intervention, in terms of nausea and vomiting, by using VAS and vomiting questionnaire.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201102014853N1**
Registration date: **2011-05-20, 1390/02/30**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-05-20, 1390/02/30

Registrant information

Name

Zahra Alizadeh

Name of organization / entity

Faculty of Nursig and Midwifery, Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 5568 6595

Email address

nikbakht@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research, Tehran University of Medical Sciences

Expected recruitment start date

2009-12-28, 1388/10/07

Expected recruitment end date

2010-01-27, 1388/11/07

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation of the effectiveness of acupressure on P6 on reduction of postoperative nausea and vomiting in patients undergoing strabismus surgery

Public title

Effectiveness of acupressure on reduction of nausea and vomiting

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: age 12- 65 years old, undergoing general anesthesia with endotracheal intubation, undergoing strabismus surgery, no previous history of gastrointestinal disorders, no travel disease or motion sickness Exclusion criteria: unusual problems during the surgery, Unwillingness to use handcuffs at any point of the study, sensitivity to the sea-band

Age
From **12 years** old to **65 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **60**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Other
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Vice-chancellor for research, Tehran University of Medical Sciences
Street address
6th floor, Central building of the university, corner of Ghods St., Keshavarz Blvd.
City
Tehran
Postal code
Approval date
2010-12-19, 1389/09/28
Ethics committee reference number
1164/ 130/ 89 /د

Health conditions studied

1

Description of health condition studied
Strabismus
ICD-10 code
H50.9
ICD-10 code description
Strabismus, unspecified

Primary outcomes

1

Description
nausea
Timepoint
6 hours after surgery
Method of measurement
visual analogue scale

2

Description
vomiting
Timepoint
6 hours after surgery
Method of measurement
4 points likert scale

Secondary outcomes

empty

Intervention groups

1

Description
Control group: the sea-band was placed in the opposite position of patient's wrist, half an hour before induction of anesthesia to 6 hours after surgery
Category
Prevention

2

Description
Intervention group: acupressure was applied by sea-band; buttons was placed on the P6 point, half an hour before induction of anesthesia to 6 hours after surgery
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Farabi Eye Hospital
Full name of responsible person
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice-chancellor for Research, Tehran University of Medical Sciences
Full name of responsible person
Dr Akbar Fotouhi
Street address

6th floor, Central building of the university, corner of Ghods St., Keshavarz Blvd.

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, Tehran 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

Faculty of Nursing and Midwifery, Tehran University of Medical Scinces

Full name of responsible person

Zahra Alizadeh

Position

Master of nursing

Other areas of specialty/work

Street address

Nosrat st ,Tohid sq

City

Tehran

Postal code

Phone

+98 21 5568 6595

Fax

Email

alizadeh_z10@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Faculty of Nursing and Midwifery ,Tehran University of Medical Sciences

Full name of responsible person

Dr Alireza Nikbaht Nasrabadi

Position

Associate Professor

Other areas of specialty/work

Street address

Nosrat st, Tohid sq

City

Tehran

Postal code

Phone

+98 21 6642 7255

Fax

Email

nikbakht@sina.tums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Faculty of Nursing andMidwifery, Tehran University of Medical Sciences

Full name of responsible person

Zahra Alizadeh

Position

Master of nursing

Other areas of specialty/work

Street address

Nosrat st,Tohid sq

City

Tehran

Postal code

Phone

Fax

Email

alizadeh_z10@yahoo.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