

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 />

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 Sciences

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Position

Master of nursing

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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