Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The comparison of the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery.

Protocol summary

Summary

Objective: To compare the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery. The inclusion criteria of this randomized double-blind study are as follows: male patients of 18-60 years and inguinal hernia. The exclusion criteria are as follows: unwillingness to continue participation in the study and incidence of acute medical conditions. Method: The researcher performs acupressure on PC6 and REN 12 points for five minutes 0, 2, 4, and 6 hours after full consciousness (time, place, and person orientation) following the inguinal hernia repair surgery. A collaborator unaware of the points under acupressure examines (Researcher assistant) the incidence, frequency, and severity of nausea and vomiting in patients before each time of acupressure and records them in relevant tables. Patients will be unaware of the type of intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016111530915N1**
Registration date: **2017-04-12, 1396/01/23**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-04-12, 1396/01/23

Registrant information

Name

Seyyed Roohollah Najjari

Name of organization / entity

Gonabad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 5227 0779

Email address

najjari.r@gmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Governmental

Expected recruitment start date

2016-11-21, 1395/09/01

Expected recruitment end date

2017-03-20, 1395/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery.

Public title

The comparison of the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery.

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: 1- Informed consent for participation in the study, 2- aged 18-60 years, 3- definite diagnosis of inguinal hernia based on patients' medical records, 4- patients with Class 1 or 2 physical status of American Society of Anesthesiologist (ASA) (patients without physical diseases, no biochemical, physiological, or psychological impairment, or mild to moderate systemic disorders not related with the cause of the surgery), 5-

male patients given the prevalence of this surgery in males, 6- no anatomical problems at PC6 and REN 12 points, 7- no history of using acupressure or acupuncture, 8- using general anesthesia, 9- no anti-nausea medications, H2 antagonists, and sedatives, 10- no history of conditions accompanied with acute and chronic nausea and vomiting (digestive and ear disorders, etc.), and 11- no substance or drug abuse. Exclusion criteria: 1- unwillingness to continue participation in the study for any reason and 2- incidence of acute medical conditions during the study.

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

Gender
Male

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
Not used

Assignment
Parallel

Other design features
Randomization: The patients will be randomly assigned to intervention and control groups using block randomization. Blinding: The observer how will examine the patients will not be aware of the intervention. Patients will be unaware of the type of intervention.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Gonabad University of Medical Sciences

Street address
Gonabad University of Medical Sciences, Next to the Asian Road

City
Gonabad

Postal code

Approval date
2016-11-09, 1395/08/19

Ethics committee reference number
IR.GMU.REC.1395.70

Health conditions studied

1

Description of health condition studied
Nausea and vomiting

ICD-10 code
R11

ICD-10 code description
Vomiting following gastrointestinal surgery

Primary outcomes

1

Description
Nausea

Timepoint
Before the intervention, 2, 4, and 6 hours after the intervention

Method of measurement
Visual Analogue Scale

Secondary outcomes

1

Description
Vomiting

Timepoint
Before the intervention, 2, 4, and 6 hours after the intervention

Method of measurement
Visual Analogue Scale

Intervention groups

1

Description
Performing acupressure on PC6 point for five minutes 0, 2, 4, and 6 hours after full consciousness

Category
Treatment - Other

2

Description
Performing acupressure on REN 12 point for five minutes 0, 2, 4, and 6 hours after full consciousness

Category
Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Torbat Heidariyeh Nohom-e Dey Teaching Hospital

Full name of responsible person

Street address
Torbat Heidariyeh Nohom-e Dey Teaching Hospital, Nurse Boulevard, Torbat Heidariyeh
City
Torbat Heidariyeh

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research of Gonabad University of Medical Sciences
Full name of responsible person
Ali Mohammadpour
Street address
Vice chancellor for research of Gonabad University of Medical Sciences, Next to the Asian Road
City
Gonabad
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 Gonabad 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
Gonabad University of Medical Sciences
Full name of responsible person
Seyyed Roohollah Najjari
Position
MSc.Student in Medical Surgical Nursing
Other areas of specialty/work
Street address
Gonabad University of Medical Sciences, Next to the Asian Road
City
Gonabad
Postal code
Phone
+98 51 5227 0779
Fax
00
Email
najjari.r@gmu.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Gonabad University of Medical Sciences
Full name of responsible person
Mohammad Mojali
Position
PhD in Nursing Education
Other areas of specialty/work
Street address
Gonabad University of Medical Sciences, Next to the Asian Road
City
Gonabad
Postal code
Phone
+98 51 5722 3514
Fax
00
Email
Mojalli.m@gmu.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Gonabad University of Medical Sciences
Full name of responsible person
Seyyed Roohollah Najjari
Position
MSc.Student in Medical Surgical Nursing
Other areas of specialty/work
Street address
Gonabad University of Medical Sciences, Next to the Asian Road
City
Gonabad
Postal code
Phone
+98 51 5227 0779
Fax
00
Email
najjari.r@gmu.ac.ir
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