

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

Survey effect of acupressure on level of post tonsillectomy pain in children

Protocol summary

Summary

This is a clinical single blind trial study. The purpose of this study is to evaluate the effect of acupressure on pain after tonsillectomy in children. The research population consisted of 3 to 12 years-old children undergoing tonsillectomy surgery referring to Amiralmomenin Medical Center of Rasht. The number of samples is 48 subjects for each group. The inclusion criteria of the study include: children aged 3 to 12 years old undergoing tonsillectomy admitted to the surgery department of Amiralmomenin Medical Center of Rasht. The data gathering tool in this study is a questionnaire for personal information, a form for recording the amount of analgesics drugs use and Ocher pain scale. In this study, acupressure intervention will be performed in three stages (one hour after surgery, 2 to 4 hours and 6 to 8 hours after surgery). The pain in all three groups of children before and after each of the three intervention stages Will be measured and recorded. Children undergoing tonsillectomy by random block method are divided into three groups of intervention, placebo and control. In the intervention group, acupressure will apply on the Hegu, Neiting and Zusanli acupoints. At the end of the intervention, the childrens's pain are recorded using the Ocher tool. In the placebo group, the pressure will apply on the same acupoints, with the difference that the applied pressure will be very superficial.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017100836651N1**
Registration date: **2017-10-13, 1396/07/21**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-13, 1396/07/21

Registrant information

Name

Yasaman Yaghobi

Name of organization / entity

Guilan University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 13 3355 6046

Email address

yasamanyaghobi@gums.ac.ir

Recruitment status

Recruitment complete

Funding source

Guilan University of Medical Sciences

Expected recruitment start date

2017-09-23, 1396/07/01

Expected recruitment end date

2018-06-22, 1397/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Survey effect of acupressure on level of post tonsillectomy pain in children

Public title

Survey effect of acupressure on level of post tonsillectomy pain in children

Purpose

Treatment

Inclusion/Exclusion criteria

The inclusion criteria: children aged 3 to 12 years old

undergoing tonsillectomy; the exclusion criterion: severe postoperative pain that will discourage the child from participating in this study.

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **144**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Guilan University Of Medical Sciences Ethics Committee

Street address

Deputy of Research and Technology Of University Of Guilan, Iran Radiator Building, Imam Khomeini Blv, Rasht

City

Rasht

Postal code

4193893345

Approval date

2017-09-23, 1396/07/01

Ethics committee reference number

IR.GUMS.REC.1396.229

Health conditions studied**1****Description of health condition studied**

post tonsillectomy pain

ICD-10 code

R07.0

ICD-10 code description

Pain in throat

Primary outcomes**1****Description**

post tonsillectomy pain

Timepoint

The pain in all three groups of children before and after each of the three intervention stages Will be measured and recorded.

Method of measurement

Osher pain scale

Secondary outcomes

empty

Intervention groups**1****Description**

In the intervention group, acupressure will apply on the Hegu, Neiting and Zusanli acupoints. At the end of the intervention, the children's pain will be recorded using the Ocher pain scale. Acupressure intervention will be performed in three stages (one hour after surgery, 2 to 4 hours and 6 to 8 hours after surgery).

Category

Treatment - Other

2**Description**

In the placebo group, the pressure will apply on the same acupoints of intervention group, with the difference that the applied pressure will be very superficial. At the end of the intervention, the children's pain will be recorded using the Ocher pain scale. Acupressure intervention in placebo group will be performed in three stages (one hour after surgery, 2 to 4 hours and 6 to 8 hours after surgery) similar to intervention group.

Category

Treatment - Other

3**Description**

In the control group, usual care will be provide based on the principles of the surgery department. At the end of the intervention, the children's pain will be recorded using the Ocher pain scale.

Category

Treatment - Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Amiralmomenin Educatinal and Remedial Center

Full name of responsible person

Somaye Pouy

Street address

Hamidian Town, Yakhsazi Square, Rasht, Guilan

City

Rasht

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Guilan University Of Medical Sciences

Full name of responsible person

Doctor Shadman Nemati

Street address

Contact details: Guilan University Of Medical Sciences, Iran Radiator Building, Imam Khomeini Blv, Rasht

City

Rasht

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Guilan 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**

Guilan University Of Medical Sciences

Full name of responsible person

Somaye Pouy

Position

Bachelor's Degree in Nursing

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

Yakhsazi Square, Hamidian Town, Rasht

City

Rasht

Postal code**Phone**

+98 135507807

Fax**Email**

somayepouy@gmail.com

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

Guilan University Of Medical Sciences

Full name of responsible person

Doctor Yasaman Yaghobi

Position

PH.D in Nursing

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

Shahid Beheshti Nursing and Midwifery Faculty, Yakhsazi Square, Rasht

City

Rasht

Postal code**Phone**

+98 13 3355 6046

Fax**Email**

yasamanyaghobi@gums.ac.ir

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Guilan University Of Medical Sciences

Full name of responsible person

Somaye Pouy

Position

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Yakhsazi Square, Hamidian Town, Rasht

City

Rasht

Postal code**Phone**

+98 135507807

Fax**Email****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*