

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Jul 2026

effect of acupressure on chemotherapy-induced nausea, vomiting and fatigue among school aged children with acute lymphoblastic leukemia

Protocol summary

Summary

This research is a single-blind randomized controlled clinical trial study. The sample size will be 120 children between the ages of 8 and 12, who randomly divided to experimental and placebo groups. Subjects shouldn't have prior experience of acupressure and anticipated survival will be more than 3 months and Patients will be excluded if they had low platelet count (<50,000); suffered from a bleeding disorder (e.g. hemophilia). Routine care was administered to the both groups. at pre-intervention, in the second day of chemotherapy, nausea and fatigue intensity will be measure by Visual Analogue Scales Then the intervention (finger acupressure) will apply for 3 minutes on P6 and ST36 (true points) in the experimental group, and on LI12 and SI3 (sham points) in the placebo group. We will evaluate the symptoms of nausea and fatigue intensity immediately and one hour after the intervention. Then the variable of nausea/vomiting and fatigue will measure at 12 and 24 hours after the intervention by the instruments of Adapted Rhodes Index of Nausea and Vomiting for Pediatrics by Child (ARINVc) and Fatigue Scale Child (FSC).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201104216247N1**

Registration date: **2012-04-19, 1391/01/31**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-04-19, 1391/01/31

Registrant information

Name

Farideh Bastani

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8857 2278

Email address

f-bastani@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2010-08-11, 1389/05/20

Expected recruitment end date

2010-12-26, 1389/10/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

effect of acupressure on chemotherapy-induced nausea, vomiting and fatigue among school aged children with acute lymphoblastic leukemia

Public title

efficacy of acupressure on chemotherapy-induced nausea, vomiting and fatigue

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: no prior experience of acupressure, anticipated survival more than 3 months, no chronic disease. Exclusion criteria: Patients will be excluded if they had low platelet count (<50,000); suffered from a

bleeding disorder (e.g. hemophilia).

Age

From **8 years** old to **12 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **120**

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

Tehran University of Medical Sciences

Street address

Tohid square, Tehran

City

Tehran

Postal code

Approval date

2010-07-03, 1389/04/12

Ethics committee reference number

1744263

Health conditions studied

1

Description of health condition studied

leukemia

ICD-10 code

C91

ICD-10 code description

Lymphoid leukaemia

Primary outcomes

1

Description

nausea/vomiting

Timepoint

12 hours after the intervention

Method of measurement

Adapted Rhodes Index of Nausea and Vomiting for Pediatrics by Child (ARINVC)

2

Description

fatigue

Timepoint

24 hours after the intervention (acupressure)

Method of measurement

Fatigue Scale Child(FSC)

Secondary outcomes

empty

Intervention groups

1

Description

For the intervention group, the intervention regarding the variable of fatigue, was acupressure with duration of 3 minutes for once on the point of ST36 and for the variable of nausea and vomiting was P6 respectively.

Category

Treatment - Other

2

Description

For the control group, the intervention regarding the variable of fatigue, was touch with duration of 3 minutes for once on the point of LI12 and for the variable of nausea and vomiting was S13 respectively.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Ali Asghar Children Hospital

Full name of responsible person

Street address

Zafar street,Tehran

City

Tehran

2

Recruitment center

Name of recruitment center

Children Medical Center

Full name of responsible person

Street address

Dr Gharib Street,Tehran

City

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr. Mohamad Ali Cheraghi

Street address

Nosrat street, Tohid Sq, Tehran

City

Tehran

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

Yes

Title of funding source

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

Tehran university of medical sciences

Full name of responsible person

Farideh Bastani

Position

PhD/ Associate Professor

Other areas of specialty/work
Street address

Nosrat Street, Tohid Sq, Tehran

City

Tehran

Postal code
Phone

+98 21 8857 2278

Fax
Email

faridehbastani@yahoo.com,fbastani@iums.ac.ir

faridehbastani@yahoo.com,fbastani@iums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Farideh Bastani

Position

PhD/ Associate Professor

Other areas of specialty/work
Street address

Nosrat Street, Tohid Sq, Tehran

City

Tehran

Postal code
Phone

+98 21 8857 2278

Fax
Email

faridehbastani@yahoo.com,fbastani@iums.ac.ir

Web page address

Person responsible for updating data

Contact
Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Farideh Bastani

Position

PhD/ Associate Professor

Other areas of specialty/work
Street address

Nosrat Street, Tohid Sq, Tehran

City

Tehran

Postal code
Phone

+98 21 8857 2278

Fax
Email

faridehbastani@yahoo.com,fbastani@iums.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