Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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 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 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

Tehran

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