

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

The effect of acupressure on fatigue in cancer patients undergoing chemotherapy referred to educational and therapeutic center - Guilan University of Medical Sciences in 2014

Protocol summary

Summary

Objective: The purpose of this study was to determine the effect of acupressure on fatigue in patients undergoing chemotherapy. Design: The study is a randomized clinical trial that included 90 patients with cancer. Setting : patients with cancer who present in one of the hospitals of Guilan University of medical sciences. Inclusion criteria : consciousness! lack of amputation! II, III, and IV stages of cancer! Chemotherapy at least in the past month : lack of ulcer at the acupoints : complaint of fatigue (moderate to high) : Having hemoglobin less than 12 mg /dl Intervention : Samples using random sampling in 3 blocks of 30 samples , a group of acupressure on fatigue, fatigue placebo group and a group given routine care. In this study the researcher to sample the oncology department of the educational center - referred Guilan University of Medical Sciences and the patient meets. After explaining the purpose and procedures for patients if these patients have a willingness to participate in the research. Consent form is completed for them. The same characteristics in terms of age, sex and chemotherapy sessions in three groups of sources and expert opinion acupressure points in the intervention group L14 (The middle half of the angle between the first and second metacarpal), SP64 (middle finger above the ankle and the tibia of the legs), ST36 (one finger width outside edge of the inferior tibial tuberosity and 4 fingers below the knee)) to reduce fatigue anywhere for 1 minute, once during and once after completion of chemotherapy, chemotherapy is done. In the placebo group over a distance of 1.5 cm from the main point is pressed and the control group were given routine care. Fatigue before and after the acupressure (during chemotherapy and after chemotherapy) were measured . Main outcome measure: Fatigue Scale questionnaire in three stages (before chemotherapy, during chemotherapy, after chemotherapy) is collected and

measured

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201207141174N9**

Registration date: **2014-12-28, 1393/10/07**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-12-28, 1393/10/07

Registrant information

Name

Atefeh Ghanbari

Name of organization / entity

Guilan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 13780509

Email address

at_ghanbari@gums.ac.ir

Recruitment status

Recruitment complete

Funding source

vice chancellor for research, Guilan University of medical Sciences

Expected recruitment start date

2014-03-20, 1392/12/29

Expected recruitment end date

2015-02-19, 1393/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of acupressure on fatigue in cancer patients undergoing chemotherapy referred to educational and therapeutic center - Guilan University of Medical Sciences in 2014

Public title

Effect of acupressure on fatigue in cancer patients

Purpose

Supportive

Inclusion/Exclusion criteria

inclusion criteria: consciousness! lack of amputation! II, III, and IV stages of cancer! Chemotherapy at least in the past month ! lack of ulcer at the acupoints ! complaint of fatigue (moderate to high) ! Having hemoglobin less than mg / dl12

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 90

Randomization (investigator's opinion)

Randomized

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

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features

In this study, the balanced block randomization will be used and the patients allocated in three groups; intervention group (acupressure on the correct acupoints), placebo group (acupressure on the sham acupoints) and control group (routine cares). Acupressure will be conducted (as single-blind) on the correct and sham acupoints in two groups of intervention and placebo. So the patients will be not informed about the kind of acupressure.

Secondary Ids**1****Registry name**

no

Secondary trial Id

no

Registration date

empty

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

Ethical committee of Vice Chancellor for Research and Technology, Guilan University university of M

Street address

Research and Technology affairs building , infront of Bank Sepah , over of iran radiator , West Beheshti Boulevard ,Rasht

City

Rasht

Postal code

41469-39841

Approval date

2014-09-30, 1393/07/08

Ethics committee reference number

293033037

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

cancer

ICD-10 code

COO,C97,C7

ICD-10 code description

Malignant neoplasms,Malignant neoplasms of ill-defined, secondary and unspecified sites

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

Fatigue

Timepoint

Before the intervention,After intervention during chemotherapyAfter the intervention after chemotherapy

Method of measurement

Fatigue Inventory(FSS)

Secondary outcomes**1****Description**

no

Timepoint

no

Method of measurement

no

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

Intervention group: the intervention group on the 3-point acupressure true will done for 1 min and only one time during chemotherapy and one time after completed chemotherapy

Category

Other

2

Description

Placebo: in the placebo acupressure points on 3-point lies close to true for 1 minute, once during and once after completing of chemotherapy

Category

Other

3

Description

Control group: The control group will receive routine care of patients.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi Hospital

Full name of responsible person

Atefeh Ghanbari

Street address

Nursing and Midwifery School, St. student, Beheshti Highway , Rasht

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research and Technology, Guilan University of Medical Sciences

Full name of responsible person

Abtin Heidar zadeh

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Research and Technology affairs building , in front of Bank Sepah , over of iran radiator , West Beheshti Boulevard , Rasht

City

Rasht

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 and Technology, 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

Atefeh Ghanbari

Position

PHD

Other areas of specialty/work

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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