Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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 L14The 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
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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

Street address

Research and Technology affairs building , infront 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

Street address

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Person responsible for updating data

Contact

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Full name of responsible person

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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