Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of Energy Saving-Related Education on Fatigue Children With Cancer

Protocol summary

Study aim
The effect of energy saving-related education on fatigue hospitalization children with cancer
Design
Sixty Children With Cancer in Hematology Ward Will be selected by available Sampling and Will be Randomly Assigned to the Experimental and Control Groups
Settings and conduct
In the intervention group, the parents will be completed fatigue questionnaire at first, Then we will start educating the children, and the parents will complete the questionnaire one week after the intervention. Training will be in 4 sessions . In the first day we will first explain the cancer and its complications and explain fatigue. On the third day we will teach you how to save energy and exercise and regular activities. On the fourth day we will provide adequate sleep training and on the seven day we will learn how to deal with stress
Participants/Inclusion and exclusion criteria
inclusion: Age Between 6 and 16 years; Exclusion; Patient and Parent Dissatisfaction
Intervention groups
Intervention group: Energy saving education Control group: no specific intervention
Main outcome variables
Fatigue

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20170117032025N5**
Registration date: **2019-12-27, 1398/10/06**
Registration timing: **retrospective**

Last update: **2019-12-27, 1398/10/06**
Update count: **0**

Registration date
2019-12-27, 1398/10/06

Registrant information
Name
Arash Khalili
Name of organization / entity
Hamadan University Of Medical Sciences
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2019-10-23, 1398/08/01
Expected recruitment end date
2019-12-22, 1398/10/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The Effect of Energy Saving-Related Education on Fatigue Children With Cancer

Public title
The Effect of Energy Saving-Related Education on Fatigue Children With Cancer
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Age Between 6_16 Years The definitive diagnosis of

cancer and having chemotherapy at least once

Exclusion criteria:

Patient and Parent Dissatisfaction

Age

From **6 years** old to **16 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Participants based on random allocation blocks, placed in ten blocks of six, three samples in group A (intervention) and three samples in control group

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Hamadan University of Medical Sciences

Street address

Shahid Fahmideh Street

City

Hamadan

Province

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Postal code

6517838698

Approval date

2019-06-18, 1398/03/28

Ethics committee reference number

IR.UMSHA.REC.1398.252

Health conditions studied

1

Description of health condition studied

Cancer

ICD-10 code

C91.0

ICD-10 code description

Acute lymphoblastic leukemia [ALL]

Primary outcomes

1

Description

Fatigue

Timepoint

Before The Intervention and 7 Days After The Intervention

Method of measurement

Fatigue Questionnaire for Children With Cancer

Secondary outcomes

empty

Intervention groups

1

Description

In The Intervention Group, The Parents Will be Completed Fatigue Questionnaire at First, Then We Will Start Educate The Children, and The parents Will Complete The Questionnaire One Week After The Intervention. Training Will be in 4 Sessions . In The First Day We Will First Explain The Cancer and its Complications and Explain Fatigue. On The Third Day We Will Teach You How to Save Energy and Exercise and Regular Activities. On the Fourth Day We Will Provide Adequate Sleep Training and on the Seven Day We Will Learn How to Deal With Stress.

Category

N/A

2

Description

Control group: They will not receive any intervention; Only Fatigue questionnaire twice within a week will be completed by parents.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Besat Hospital, Pediatric Hematology Ward

Full name of responsible person

Marziyeh Moeinifard

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Hamadan Besat Hospital

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Province

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Hamedan University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact
Name of organization / entity
Hamedan University of Medical Sciences
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available
Justification/reason for indecision/not sharing IPD
No More Information
Study Protocol
No - There is not a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
No - There is not a plan to make this available
Clinical Study Report
No - There is not a plan to make this available
Analytic Code
No - There is not a plan to make this available
Data Dictionary
No - There is not a plan to make this available