

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 May 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

Country

Iran (Islamic Republic of)

Phone

+98 81 3838 0320

Email address

a.khalili@umsha.ac.ir

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

Hamadan

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

Street address

Hamadan Besat Hospital

City

Hamadan

Province

Hamadan

Postal code
6561065810
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Email
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6517838698
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a.khalili@umsha.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Dr Saeed Bashirian
Street address
Shahid Fahmideh Street
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6517838698
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ICT@umsha.ac.ir

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
Full name of responsible person
Arash Khalili
Position
Faculty Member
Latest degree
Master
Other areas of specialty/work
Nursery
Street address
Shahid Fahmideh Street

Person responsible for scientific inquiries

Contact

Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Dr Fatemeh Cheraghi
Position
Faculty Member
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Person responsible for updating data

Contact

Name of organization / entity
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Position
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Email

a.khalili@umsha.ac.ir

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