

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Effect of family-centered education on tele-nursing method on emotional reactions of mothers after bone marrow transplantation

Protocol summary

Study aim

Determining the effect of family-centered education on tele-nursing method on emotional reactions of mothers of children after bone marrow transplantation

Design

Clinical trials including control and intervention groups. Blind on one side. by accident

Settings and conduct

Children's Medical Center. Bone marrow transplantation ward

Participants/Inclusion and exclusion criteria

Mothers aged between 20 and 45. 2. Have complete satisfaction to participate in research. 3. Have reading and writing skills. 4. Absence of psychological disorders and psychotropic pill consumption at the start of research. 5. Lack of learning problems and diseases directly related to learning. 6. Having a smartphone and the ability to connect to the Internet and know how to use it

Intervention groups

33 Mothers who are trained through Watsapp software

Main outcome variables

Emotional reactions

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181112041628N1**

Registration date: **2019-01-19, 1397/10/29**

Registration timing: **registered_while_recruiting**

Last update: **2019-01-19, 1397/10/29**

Update count: **0**

Registration date

2019-01-19, 1397/10/29

Registrant information

Name

hadie solati

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 5540 4784

Email address

hadie.solti@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-12-22, 1397/10/01

Expected recruitment end date

2019-03-20, 1397/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of family-centered education on tele-nursing method on emotional reactions of mothers after bone marrow transplantation

Public title

The Effect of Tele Nursing Training on the Mental Status of Mothers of Patients

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

1- Mothers aged between 20 and 45 2. Have complete satisfaction to participate in research 3- Have reading and writing skills 4. No psychiatric disorders and psychotropic drugs in the onset of research 5- No

learning problems and diseases that directly affect Learning has an impact. 6. Having a smartphone and the ability to connect to the Internet and know how to use it

Exclusion criteria:

Child's death during the research 2. Failure to connect to the Internet and lack of mother participation in the training process for one month or more 3- The mother's disease to mental problems and the need for psychedelic pills during the study period 4-Unwilling to participate in the study

Age

From **20 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **66**

Randomization (investigator's opinion)

Randomized

Randomization description

Samples were randomly waxed envelope in 33 individuals in the control group and 33 in the intervention group

Blinding (investigator's opinion)

Single blinded

Blinding description

After discharge, mothers will be randomly assigned to two groups of intervention and control. The control group and the intervention group will receive the training according to the routine section after the discharge, individually, and will contact the department in case of difficulty and the intervention group, in addition to the training, Individuals will receive tele nursing training in the Watts app and their problems will be reviewed and organized.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

National Ethics Committee for Biomedical Research

Street address

Tehran University of Medical Sciences, Zargande street, Danesh alley

City

Tehran

Province

Tehran

Postal code

1331994591

Approval date

2018-10-06, 1397/07/14

Ethics committee reference number

IR.IAU.TMU.REC.1397.174

Health conditions studied

1

Description of health condition studied

Bone marrow transplantation

ICD-10 code

F30-F39

ICD-10 code description

Mood disorders

Primary outcomes

1

Description

Emotional reactions (depression, stress and anxiety)

Timepoint

40 day

Method of measurement

DAS questionnaire

2

Description

Emotional responses of mothers are measured after discharge

Timepoint

The next 40 days are measured again

Method of measurement

Depression and Anxiety Stress Measurement Questionnaire

Secondary outcomes

1

Description

stress

Timepoint

Before the intervention and 40 days after the intervention in the intervention group and in the control group, 40 days after the first and second

Method of measurement

depression anxiety Stress scale questionnaire

2

Description

Depression

Timepoint

Before the intervention and 40 days after the intervention in the intervention group and in the control

group, 40 days after the first and second
Method of measurement
depression anxiety Stress scale questionnaire

3

Description

Anxiety

Timepoint

Before the intervention and 40 days after the intervention in the intervention group and in the control group, 40 days after the first and second

Method of measurement

depression anxiety Stress scale questionnaire

Intervention groups

1

Description

The intervention group consisted of 33 mothers after discharge who were routinely trained in routine and individual care, as well as intermittently via Watts-up software for 40 days. routine and individual education package includes health, nutrition, treatment follow-up, and question and answer.

Category

Other

2

Description

Control group: The control group consisted of 33 nurses who received post-discharge education in a routine, individual and one-time delivery.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Children's Medical Center

Full name of responsible person

Hadie solati

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Children's Medical Center Hospital, Boulevard
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

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Web page address

<http://www.iautmu.ac.ir/research/index.asp>

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Islamic Azad University

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

Islamic Azad University

Full name of responsible person

Mohamad Sahebzamane

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Medical Education

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
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
Not applicable
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available