

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of the efficacy of follow-up via mobile phone and SMS on adherence to treatment and quality of life in breast cancer patients undergoing radiation therapy

Protocol summary

Summary

(1)Objective: to compare the effect of cell phone follow up and follow through SMS on quality of life and treatment adherence in patients with breast cancer and undergoing radiation (2) Design: randomized controlled trial (3) Setting and conduct: Eligible patients will be selected by convenience sampling and randomly will be assigned into two intervention groups (cell phone and SMS) and control group. (4) Participants including major eligibility criteria: the samples consist of 96 people. Inclusion criteria include willingness to participate in research, owning a cell phone, Literate, Lack of vision and hearing problems and lack of speech disorders. Exclusion criteria include Failure to respond to calls and text messages, Unwillingness to continue to participate in the study, Rehospitalization, Psychological and physical problems resulting in disability at any stage of the investigation (5) Intervention: At first the Quality of life and treatment adherence questionnaires will be completed by all three groups. The control group only will receive routine hospital follow-ups. Telephone follow-up group, will receive the instructions through calls by the researcher three times a week for eight weeks. Group tracking via text message, will receive the instructions through an SMS sending daily by the researcher for eight weeks. After eight weeks the questionnaires will be completed by all three groups (6) Main outcome measures: Quality of life and treatment adherence

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201506294736N9**

Registration date: **2016-07-20, 1395/04/30**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-07-20, 1395/04/30

Registrant information

Name

Alireza Khatony

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 83 3827 9394

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Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Sciences

Expected recruitment start date

2016-07-22, 1395/05/01

Expected recruitment end date

2017-01-20, 1395/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of follow-up via mobile phone and SMS on adherence to treatment and quality of life in breast cancer patients undergoing radiation therapy

Public title

Comparison of the efficacy of follow-up via cell phone

and SMS on adherence to treatment and quality of life in breast cancer patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: willingness to participate in research, owning a cell phone, Literate, Lack of vision and hearing problems and lack of speech disorders. Exclusion criteria: Failure to respond to calls and text messages, Unwillingness to continuing to participate in the study, Rehospitalization, Psychological and physical problems resulting in disability at any stage of the investigation

Age

From **15 years** old to **65 years** old

Gender

Female

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **96**

Randomization (investigator's opinion)

Randomized

Randomization description

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 Kermanshah University of Medical Sciences

Street address

Kermanshah University of Medical Sciences, Shahid Beheshti Blv, Kermanshah University of Medical Sciences, Kermanshah, Iran

City

Kermanshah

Postal code

Approval date

2016-06-08, 1395/03/19

Ethics committee reference number

KUMS.REC.1395.175

Health conditions studied

1

Description of health condition studied

breast cancer

ICD-10 code

C50

ICD-10 code description

Malignant neoplasm of breast

Primary outcomes

1

Description

Quality of life

Timepoint

At the start of the study and after eight weeks

Method of measurement

Quality of Life Questionnaire

Secondary outcomes

1

Description

Adherence to treatment

Timepoint

At the start of the study and after eight weeks

Method of measurement

Adherence to treatment questionnaire

Intervention groups

1

Description

In cell phone group, the researcher Via phone call delivers the instructions on preventing and managing complications associated with radiation therapy three times a week for eight weeks.

Category

Lifestyle

2

Description

Group tracking via text message, will receive the instructions on preventing and managing complications associated with radiation therapy through SMS sending daily by the researcher for eight weeks.

Category

Lifestyle

3

Description

The control group only will receive routine hospital follow-ups.

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital of Kermanshah

Full name of responsible person

Alireza Khatony

Street address

Nursing Department, Kermanshah School of Nursing and Midwifery, Ashayer Street, Kermanshah

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Web page address

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Kermanshah School of Nursing and Midwifery

Full name of responsible person

Alireza Khatony

Position

PhD in Nursing Education

Other areas of specialty/work**Street address**

Nursing Department, Kermanshah School of Nursing and Midwifery, Ashayer Blv., Kermanshah, Iran

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Sponsors / Funding sources

1

Sponsor**Name of organization / entity**

Kermanshah University of Medical Sciences, Vice chancellor for research

Full name of responsible person

Behrooz Hamzeh

Street address

Vice chancellor for research, Kermanshah University of Medical Sciences, Shahid Beheshti Blv., Kermanshah, Iran

City

Kermanshah

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Kermanshah University of Medical Sciences, Vice chancellor for research

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**

Kermanshah School of Nursing and Midwifery

Full name of responsible person

Alireza khatony

Position

PhD, Faculty Member

Other areas of specialty/work**Street address**

Person responsible for updating data

Contact**Name of organization / entity**

Kermanshah School of Nursing and Midwifery

Full name of responsible person

Alireza Khatony

Position

PhD in Nursing Education, Faculty member

Other areas of specialty/work**Street address**

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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