

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jul 2026

The impact of telephone-based support intervention on self-care and supportive care needs of patients undergoing chemotherapy

Protocol summary

Study aim

The aim of the study is to investigate the effect of nurse telephone support on self-care and supportive care needs of patients undergoing chemotherapy.

Design

This study will be conducted on 60 patients with cancer at Ayatollah khansary Hospital in Arak. The aim of the study is to investigate the effect of nurse telephone support on self-care and supportive care needs of patients undergoing chemotherapy. Patients will be recruited in the study by convenience sampling and will be assigned randomly to an intervention group who will receive telephone call twice-a-week for one month and control group who will receive routine care. The supportive care needs questionnaire (SCNS-34) and Leuven Questionnaire for Self-Care during Chemotherapy (L-PaSC) will be completed before intervention (the second round of chemotherapy), one month after the intervention (the third round of chemotherapy), and the fourth round of chemotherapy. Data will be analyzed using SPSS software.

Settings and conduct

Ayatollah-Khansari Hospital

Participants/Inclusion and exclusion criteria

Inclusion criteria: People diagnosed with cancer more than one month, and undergoing chemotherapy; Aged between 18-80 years; Awareness of their diagnosis; Physically and mentally ability to participate in the study, Patients with non-metastatic cancer, Access to a mobile phone or telephone Exclusion criteria: Lack of interest in participating in every stage of the study, Death;

Intervention groups

Intervention group: Patients will be contacted twice a week, at certain times of day In the control group: Will be received routine care.

Main outcome variables

Care Needs Survey Self-Care during Chemotherapy

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170404033216N1**

Registration date: **2018-01-26, 1396/11/06**

Registration timing: **registered_while_recruiting**

Last update: **2018-01-26, 1396/11/06**

Update count: **0**

Registration date

2018-01-26, 1396/11/06

Registrant information

Name

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3505

Email address

m.ebrahimabadi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-12-16, 1396/09/25

Expected recruitment end date

2018-04-21, 1397/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The impact of telephone-based support intervention on

self-care and supportive care needs of patients undergoing chemotherapy		Street address Great Prophet University Complex, Basij Sq, Sardasht region
Public title The impact of telephone-based support intervention on self-care and supportive care needs of patients undergoing chemotherapy		City Arak
Purpose Supportive		Province Markazi
Inclusion/Exclusion criteria Inclusion criteria: People diagnosed with cancer more than one month and undergoing chemotherapy Aged between 18-80 years Awareness of their diagnosis; Physically and mentally abillity to participate in the study Patients with non-metastatic cancer Access to a mobile phone or telephone Exclusion criteria: Lack of interest in participating in every stage of the study Death		Postal code 38481-7-6941
Age From 18 years old to 80 years old		Approval date 2017-11-26, 1396/09/05
Gender Both		Ethics committee reference number IR.ARAKMU.REC.1396.149
Phase N/A		
Groups that have been masked • Participant • Outcome assessor		Health conditions studied 1 Description of health condition studied Cancer ICD-10 code C00-C97 ICD-10 code description Malignant neoplasm
Sample size Target sample size: 60		Primary outcomes 1 Description Supportive Care Needs Survey Timepoint The first step, before the second round of chemotherapy, The second step, the third round of chemotherapy, The third stage, the fourth round of chemotherapy; Method of measurement Supportive Care Needs Survey (Short Form)scale
Randomization (investigator's opinion) Randomized		Secondary outcomes 1 Description Self-Care during Chemotherapy Timepoint The first step, before the second round of chemotherapy, The second step, the third round of chemotherapy, The third stage, the fourth round of chemotherapy; Method of measurement Leuven Questionnaire for Self-Care during Chemotherapy (L-PaSC) scale
Randomization description Block Randomization, a computer-generated randomization will be used to create an allocation sequence with a block size of four to assign patients to the two study arms. It begins this process by giving each patient an identification number.		
Blinding (investigator's opinion) Double blinded		
Blinding description In the study neither the participant nor the outcome evaluator are aware of control or intervention groups assignment.		
Placebo Not used		
Assignment Parallel		
Other design features		
Secondary Ids empty		
Ethics committees 1 Ethics committee Name of ethics committee Arak University of Medical Sciences		
		2 Description Supportive Care Needs Survey during Chemotherapy Timepoint The first step, before the second round of chemotherapy, The second step, the third round of chemotherapy, The third stage, the fourth round of chemotherapy; Method of measurement Supportive Care Needs Survey (Short Form) scale

Intervention groups

1

Description

Intervention group: Patients will be contacted twice a week, at certain times of the day.

Category

Lifestyle

2

Description

Control group: Will be receive routine care.

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Ayatollah-Khansari Hospital

Full name of responsible person

Dr Arjomandzadegan, Vice Chancellor for research

Street address

Great Prophet University Complex, Basij Sq, Sardasht region

City

Arak

Province

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38481-7-6941

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pajoohesh@arakmu.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Dr Arjomandzadegan, Vice Chancellor for research

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Markazi

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3848176941

Phone

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Email

Research@arakmu.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Arak 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

Arak University of Medical Sciences

Full name of responsible person

Maryam Ebrahimabadi

Position

Student

Latest degree

Master

Other areas of specialty/work

Nursery

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Great Prophet University Complex, Basij Sq, Sardasht region

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Nazi Nejat

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

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Person responsible for updating data

Contact

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Arak 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

Do not have enough information

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not 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