

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jun 2026

The Effectiveness of Transdiagnostic based Emotional efficacy on the Faulty Cognitive-affective system, Psychological syndrome and Sleep Quality of Nurses with Anxiety Signs

Protocol summary

Study aim

determination effectiveness of Transdiagnostic based Emotional efficacy on the Faulty Cognitive-affective system, Psychological syndrome and Sleep Quality of Nurses with Anxiety Signs

Design

Selection of 140 nurses with inclusion criteria based on purposive sampling, those with an anxiety score above 16 based on Beck Anxiety form were divided into two groups of 25 with quota sampling method. The treatment group will receive eight 90-minute sessions and a two-month follow-up.

Settings and conduct

The nurses in Chamran and Versaul hospitals who have an anxiety score above 16 are divided into intervention and control groups of 25 persons, which the intervention group receives treatment after two months.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Age 25-45 years; Minimum 2 years nursing experience; Minimum bachelor's degree; Working in clinical shift nurses; Satisfaction Exclusion criteria: Psychiatric drug use; experiencing stressors ... History of receiving similar intervention; incomplete response to questionnaires; severe mood disorder such as severe depression

Intervention groups

Emotional efficacy-based therapy, is a combination of acceptance and commitment therapy, dialectical behavior therapy, and cognitive behavioral therapy On defective cognitive system (emotional schema, distress tolerance, uncertainty intolerance, experiential avoidance), psychological syndrome (anxiety, stress, depression, health anxiety, nursing stress) and sleep quality of nurses In this study with Anxiety Signs.

Main outcome variables

Outcome variables included psychological symptoms (depression, stress anxiety, health anxiety, nursing

stress), impaired cognitive emotional system (experience avoidance, distress tolerance, uncertainty intolerance, emotional schemas), sleep quality, emotional efficacy. anxiety.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20191014045096N1**

Registration date: **2019-11-28, 1398/09/07**

Registration timing: **prospective**

Last update: **2019-11-28, 1398/09/07**

Update count: **0**

Registration date

2019-11-28, 1398/09/07

Registrant information

Name

Masoumeh Ebrahimi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 56 3272 4277

Email address

mehrahimi1354@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-12-31, 1398/10/10

Expected recruitment end date

2020-04-29, 1399/02/10

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The Effectiveness of Transdiagnostic based Emotional efficacy on the Faulty Cognitive-affective system, Psychological syndrome and Sleep Quality of Nurses with Anxiety Signs

Public title
Effect of treatment based Emotional efficacy on the Faulty Cognitive-affective system, Psychological syndrome and Sleep Quality of Nurses with Anxiety Signs

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
At least 2 years of nursing experience Minimum bachelor's degree Clinical staff(Nurses with shifts in circulation) Study consent Age 25-45 years
Exclusion criteria:
Psychiatric drug use Experience stressors(Deceased first class relatives, accidental, divorce)And.. History of receiving similar intervention Incomplete response to questionnaires Physical complications such as limb fractures,Chronic diseases affecting behavior such as tuberculosis Affecting mood disorderSuch as thyroid, diabetes Severe mood disorder, such as severe depression, controlled by medication use

Age
From **25 years** old to **45 years** old

Gender
Both

Phase
N/A

Groups that have been masked

- Participant
- Investigator
- Outcome assessor

Sample size
Target sample size: **140**

Randomization (investigator's opinion)
Randomized

Randomization description
Simple randomization, among the nurses working in Ferdowsi hospitals, 140 people who meet the inclusion criteria will be selected by purposeful sampling. Then among them, 50 nurses with moderate to severe anxiety (receiving a score above 16 based on Beck's anxiety form) will be enrolled in the available method and will be randomly divided into two groups of 25, using random cards, The experimental group received the intervention (Emotionally Effective Therapy) during eight 90-minute sessions a week for two months and two months post-treatment.

Blinding (investigator's opinion)
Double blinded

Blinding description

Two-way curve In terms of group breakdown statistics, (participants, researcher, outcome assessor), both participants and researchers or outcome assessors were unaware of the allocation of study groups.

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Birjand University of Medical Sciences

Street address

Vice Chancellor for Technology Research, Birjand University of Medical Sciences, Ghaffari Ave.

City

Birjand

Province

South Khorasan

Postal code

9717853577

Approval date

2019-10-14, 1398/07/22

Ethics committee reference number

IR.BUMS.REC.1398.224

Health conditions studied

1

Description of health condition studied

Anxiety Syndrome, Defective Affective Cognitive System, Anxiety Symptoms

ICD-10 code

F41.8

ICD-10 code description

Other specified anxiety disorders

Primary outcomes

1

Description

Anxiety score above 16 based on Beck Anxiety Inventory

Timepoint

At the beginning of the study before intervention

Method of measurement

Beck Anxiety Inventory

Secondary outcomes

1

Description

Depression, Anxiety, Stress

Timepoint

Before the intervention, after the end of the intervention and two months follow up

Method of measurement

Depression, Anxiety and Stress Questionnaire DASS-21

2

Description

Health anxiety

Timepoint

Before intervention, after intervention and two months follow up

Method of measurement

Health Anxiety Questionnaire

3

Description

Nursing Stress

Timepoint

Before intervention, after intervention (after eight weeks), two-month follow-up

Method of measurement

Nursing Stress Questionnaire

4

Description

sleep quality

Timepoint

Before the intervention, after the end of the intervention (after eight weeks), two months follow-up

Method of measurement

Pittsburgh Sleep Quality Questionnaire

5

Description

Experience Avoiding

Timepoint

Before intervention, after intervention and two months follow up

Method of measurement

Acceptance and Practice Questionnaire

6

Description

Intolerance of uncertainty

Timepoint

Before intervention, after intervention and 2 months follow up

Method of measurement

Uncertainty Intolerance Questionnaire

7

Description

Distress Tolerance

Timepoint

Before intervention, after intervention, two-month follow-up

Method of measurement

Emotional distress tolerance questionnaire

8

Description

Emotional Schemas

Timepoint

Before intervention, after intervention, two-month follow-up

Method of measurement

Emotional Schema Questionnaire

9

Description

Emotional efficiency

Timepoint

Before intervention, after intervention, two-month follow-up

Method of measurement

Emotional Efficacy Questionnaire

Intervention groups

1

Description

The intervention group will receive emotional efficacy-based metacognitive therapy within two months, consisting of eight weekly sessions of a 90-minute session conducted by a doctor of psychology, followed by a follow-up follow-up of 2 months.

Category

Behavior

2

Description

Control group: The control group does not receive any treatment (inadequate) but after a follow-up follow up a training session will be held.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Chamran Hospital

Full name of responsible person

Mohsen Imantbaleh

Street address

Imam Khomeini Street, Shahid Chamran Hospital

City

Ferdows

Province

South Khorasan
Postal code
9771766559
Phone
+98 56 3272 2801
Email
hsp.chamran@bums.ac.ir

2

Recruitment center

Name of recruitment center
Hazrat Rasoul Hospital
Full name of responsible person
Mehdi Ariaifar
Street address
Reza Boulevard, Hazrat Rasool Hospital
City
Ferdows
Province
South Khorasan
Postal code
9771998809
Email
Ferdows.rasoul@bums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Birjand University of Medical Sciences
Full name of responsible person
Tuba Kazemi
Street address
Vice Chancellor for Technology Research, Birjand
University of Medical Sciences, Ghaffari Ave. Open in
Google Translate
City
Birjand
Province
South Khorasan
Postal code
9717803077
Phone
+98 21 3239 5000
Email
public_r@bums.ac.ir
Grant name
Grant code / Reference number
**Is the source of funding the same sponsor
organization/entity?**
Yes
Title of funding source
Birjand 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
Islamic Azad University
Full name of responsible person
Masoumeh Ebrahimi
Position
PhD student
Latest degree
Master
Other areas of specialty/work
Psychology
Street address
Basij Street, Basij 6, No. 22
City
Ferdows
Province
South Khorasan
Postal code
9771874756
Phone
+98 56 3272 4277
Email
Mebrahimi1354@yahoo.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Islamic Azad University
Full name of responsible person
Masoumeh Ebrahimi
Position
PhD student
Latest degree
Master
Other areas of specialty/work
Psychology
Street address
Basij
City
Ferdows
Province
South Khorasan
Postal code
9771874756
Phone
+98 56 3272 4277
Email
Mebrahimi1354@yahoo.com

Person responsible for updating data

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Masoumeh Ebrahimi

Position

PhD student

Latest degree

Master

Other areas of specialty/work

Psychology

Street address

Basij Street, Basij 6, No. 22

City

Ferdows

Province

South Khorasan

Postal code

9771874756

Phone

+98 56 3272 4277

Email

Mebrahimi1354@yahoo.com

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

Undecided - It is not yet known if there will be 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

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

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