

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

08 Jul 2026

### Comparison of the effect of education through social network and face to face on the awareness and caring behaviors in mothers of children with urinary tract infection

#### Protocol summary

##### Study aim

Providing a simple and useful executive solution to raise of awareness and motivate the use of caring behaviors in mothers of children with urinary tract infection.

##### Design

Clinical trials without control group, single blind, uncontrolled placebo, multi-centered, one stage of trial.

##### Settings and conduct

The present study will be conducted at Amir Kabir Hospital and Emam Reza Clinic in Arak and samples will not know how to place the samples in the intervention and control group.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria: The desire to participate in the study  
Diagnosis of childhood urinary tract infection by a specialist  
Reading and writing skills  
Having a mobile phone equipped with Telegram software  
Exclusion criteria: Unwilling to participate in research  
Other illnesses leading to hospitalization  
No refer to the physician to follow the training program

##### Intervention groups

In both groups, before the intervention, the method, goals, and confidentiality of the individual information of the participants are explained to them and informed consent is obtained. Then, both groups completed demographic information questionnaire, maternal awareness questionnaire and maternal care behaviors questionnaire. First intervention group: After completing the first stage questionnaire, mothers will have a face-to-face training session for 45 minutes each person-to-person with a pamphlet summarizing the educational content. Second intervention group: The group will receive similar training through telegram messages within three days and they will be required to inform the researcher about the daily receipt and viewing of messages through a message.

##### Main outcome variables

awareness and caring behaviors in mothers of children with urinary tract infection

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20171111037377N2**

Registration date: **2018-02-27, 1396/12/08**

Registration timing: **registered\_while\_recruiting**

Last update: **2018-02-27, 1396/12/08**

Update count: **0**

##### Registration date

2018-02-27, 1396/12/08

##### Registrant information

##### Name

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 86 3417 3502

##### Email address

z.zeinali@arakmu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2017-12-01, 1396/09/10

##### Expected recruitment end date

2018-03-01, 1396/12/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

**Trial completion date**

empty

**Scientific title**

Comparison of the effect of education through social network and face to face on the awareness and caring behaviors in mothers of children with urinary tract infection

**Public title**

Comparison of the effect of education through social network and face to face on the awareness and caring behaviors in mothers of children with urinary tract infection

**Purpose**

Supportive

**Inclusion/Exclusion criteria****Inclusion criteria:**

Inclination to participate in the study  
Diagnosis of childhood urinary tract infection by a specialist;  
Reading and writing skills  
Not having mental illness or physical problems  
Unemployment as health care personnel  
Having a cell phone equipped with Telegram software  
Not attending similar training classes

**Exclusion criteria:**

Unwilling to continue of research  
Exit from the city and lack of access  
Failure to complete the second stage of questionnaire  
No refer to the physician to follow the training program  
Other illnesses leading to hospitalization

**Age**

No age limit

**Gender**

Female

**Phase**

N/A

**Groups that have been masked**

- Participant

**Sample size**

Target sample size: 86

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

The samples are divided into intervention and control groups using randomized block allocation method.

**Blinding (investigator's opinion)**

Single blinded

**Blinding description**

Initially, the purpose of the study and how it is done for the samples is described, but the samples will not know how to allocate to the intervention and control groups

**Placebo**

Not used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Ethics Committee of Arak University of Medical Sciences

**Street address**

Aalam al-Hoda St, Rah ahan Sq

**City**

Arak

**Province**

Markazi

**Postal code**

3819693345

**Approval date**

2017-11-26, 1396/09/05

**Ethics committee reference number**

IR.ARAKMU.REC.1396.182

**Health conditions studied****1****Description of health condition studied**

Urinary tract infection

**ICD-10 code**

N39.0

**ICD-10 code description**

Urinary tract infection, site not specified

**Primary outcomes****1****Description**

Awareness and caring behaviors in mothers of children with urinary tract infection

**Timepoint**

Before intervention and one month after intervention

**Method of measurement**

Mothers Awareness Questionnaire and Mothers' Care Behaviors Questionnaire

**Secondary outcomes**

empty

**Intervention groups****1****Description**

First intervention group: After completing the first stage questionnaire, mothers will have a face-to-face training session for 45 minutes each person-to-person with a pamphlet summarizing the educational content.

**Category**

Lifestyle

## 2

### Description

Second intervention group: The group will receive similar training through telegram messages within three days and they will be required to inform the researcher about the daily receipt and viewing of messages through a message.

### Category

Lifestyle

## Recruitment centers

### 1

#### Recruitment center

**Name of recruitment center**

Amir kabir Hospital in Arak

**Full name of responsible person**

Dr. Alireza Kamali

**Street address**

Alam-alhoda St, Rah ahan Sq

**City**

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**Province**

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**Postal code**

3819693345

**Phone**

+98 86 3313 4715

**Email**

info@arakmu.ac.ir

### 2

#### Recruitment center

**Name of recruitment center**

Emam Reza Clinic

**Full name of responsible person**

Seyed Morteza Navabi

**Street address**

Khorram St,

**City**

Arak

**Province**

Markazi

**Postal code**

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**Phone**

+98 86 3313 6055

**Email**

manager\_clinic@arakmu.ac.ir

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Arak University of Medical Sciences

**Full name of responsible person**

Dr. Mohammad Argmandzadegan

**Street address**

Basij Sq, Sardasht Region

**City**

Arak

**Province**

Markazi

**Postal code**

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**Phone**

+98 86 3417 3645

**Email**

info@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**

Zahra Zeinali

**Position**

MSc Student of Nursing

**Latest degree**

Bachelor

**Other areas of specialty/work**

Nursery

**Street address**

Arak School of Nursing and Midwifery, Basij Sq, Sardasht Region

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zeynali287@yahoo.com

## Person responsible for scientific inquiries

#### Contact

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**Person responsible for updating data****Contact****Name of organization / entity**

Arak University of Medical Sciences

**Full name of responsible person**

Zahra Zeinali

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**Latest degree**

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3819693345

**Phone**

+98 86 3417 3505

**Email**

zeynali287@yahoo.com

**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

**Study Protocol**

Yes - There is a plan to make this available

**Statistical Analysis Plan**

Not applicable

**Informed Consent Form**

Yes - There is a plan to make this available

**Clinical Study Report**

Not applicable

**Analytic Code**

Not applicable

**Data Dictionary**

Not applicable

**Title and more details about the data/document**

Part of the data, such as information on the main outcome and the demographic information, can be shared after unidentifiable of people.

**When the data will become available and for how long**

The beginning of the access period is 24 months after the results are published.

**To whom data/document is available**

All people

**Under which criteria data/document could be used**

In order to utilize scientific purposes and mention the source used.

**From where data/document is obtainable**

Zahra Zeinali, MSc of Nursing, Faculty of Nursing and Midwifery, Arak University of Medical Sciences, Arak, Iran. E-mail address: zeynali287@yahoo.com

**What processes are involved for a request to access data/document**

After receiving the email from the requester, the information will be sent within 1 business week.

**Comments**