

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jul 2026

### Compare the effect of Pain management training by two methods, workshop and virtual, on knowledge, attitude and self-efficacy among pediatric nurses

#### Protocol summary

##### Summary

(1) Objective: To compare the effect of two methods of pain management- workshop and virtual education- on knowledge, attitude and self-efficacy of pediatric nurses about pain management in children. (2) Design: A quasi-experimental study consisting of three groups (training workshop method of pain management, pain management through virtual education and control group). (3) How to do: In this study, 90 nurses working in children ward will participate. (4) Inclusion criteria: having at least associate degree in nursing; at least six months work experience in the field of children nursing; having easy access to computer and the Internet; registering in continuing education system. Exclusion criterion: Participate in any training course in the field of pediatric pain management. (5) Interventions: Participants in workshop group will participate in a 4-hour, one-day workshop. Participants in virtual education group will receive their education through audio and video files and control group won't receive any education. (6) Main outcomes: knowledge, attitude and self-efficacy about pain management in children.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016111830954N1**  
Registration date: **2017-06-26, 1396/04/05**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-06-26, 1396/04/05

##### Registrant information

##### Name

Mahboobe Aliakbari

##### Name of organization / entity

School of nursing and midwifery, Iran University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 3626 1723

##### Email address

aliakbari.m@tak.iums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice chancellor for research, Iran University of Medical Sciences.

##### Expected recruitment start date

2017-01-09, 1395/10/20

##### Expected recruitment end date

2017-04-09, 1396/01/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Compare the effect of Pain management training by two methods, workshop and virtual, on knowledge, attitude and self-efficacy among pediatric nurses

##### Public title

The effect of pain management.

##### Purpose

Other

##### Inclusion/Exclusion criteria

Inclusion criteria: having at least associate degree in

nursing; at least six months work experience in the field of children nursing; having easy access to computer and the Internet; registering in continuing education system. Exclusion criterion: Participate in any training course in the field of pediatric pain management. - Unwillingness to continue to participate in each phase of the study

#### **Age**

No age limit

#### **Gender**

Both

#### **Phase**

2-3

#### **Groups that have been masked**

*No information*

#### **Sample size**

Target sample size: **90**

#### **Randomization (investigator's opinion)**

Not 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 Iran University of Medical Sciences

##### **Street address**

Iran University of Medical Sciences, Next to Milad tower, Hemmat highway, Tehran.

##### **City**

Tehran

##### **Postal code**

1449614535

#### **Approval date**

2016-06-26, 1395/04/06

#### **Ethics committee reference number**

IR.IUMS.REC 1395.9311687007

## **Health conditions studied**

### **1**

#### **Description of health condition studied**

pain

#### **ICD-10 code**

R52.9

#### **ICD-10 code description**

Pain, unspecified

## **Primary outcomes**

### **1**

#### **Description**

knowledge

#### **Timepoint**

before of intervention, one months after the intervention

#### **Method of measurement**

PNKAS Questionnaire

### **2**

#### **Description**

attitude

#### **Timepoint**

before of intervention, one months after the intervention

#### **Method of measurement**

PNKAS Questionnaire

### **3**

#### **Description**

Self-efficacy

#### **Timepoint**

Before of intervention, one months after the intervention

#### **Method of measurement**

Questionnaire created by Chiang, Chen, Huang 2006

## **Secondary outcomes**

empty

## **Intervention groups**

### **1**

#### **Description**

Intervention group 1: training through workshops will be delivered for this group four hours a day. Educational content contains the concept of pain, pediatric pain assessment tools and pharmacological and nonpharmacological methods.

#### **Category**

Other

### **2**

#### **Description**

Intervention group 2: virtual training will be delivered for this group using pdf and audio files. Educational content contains the concept of pain, pediatric pain assessment tools and pharmacological and nonpharmacological methods.

#### **Category**

Other

### **3**

#### **Description**

Control group: no educational intervention will take

place.  
**Category**  
Other

## Recruitment centers

### 1

#### Recruitment center

**Name of recruitment center**

School of Nursing and Midwifery, Iran University of Medical Sciences

**Full name of responsible person**

Mahboobe Ali Akbari

**Street address**

No. 7, Mahdi alley, Shahid Madani street, Daneshsara, Varamin

**City**

tehran

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Vice chancellor for research, Iran University of Medical Sciences.

**Full name of responsible person**

Morteza Naserbakht

**Street address**

School of nursing and midwifery, Yasemi Rashid street, Valiasr street. Tehran.

**City**

Tehran

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

Yes

**Title of funding source**

Vice chancellor for research, Iran University of Medical Sciences.

**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**

School of Nursing and Midwifery, Iran University of Medical Sciences

**Full name of responsible person**

Mahboobe Aliakbari

**Position**

MSc student of Pediatric Nursing

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

No. 7, Al-Mahdi alley, Shahid Madani street, Daneshsara, Varamin

**City**

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**Postal code**

3371976588

**Phone**

+98 21 3626 1723

**Fax****Email**

mb.aliakbari@gmail.com

**Web page address**

## Person responsible for scientific inquiries

#### Contact

**Name of organization / entity**

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**Full name of responsible person**

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**Position**

Msc student in Paediatric nursing

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## Person responsible for updating data

#### Contact

**Name of organization / entity**

School of Nursing and Midwifery, Iran University of Medical Sciences

**Full name of responsible person**

Mahboobe Aliakbari

**Position**

Msc student in Paediatric nursing

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3371976588

**Phone**

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**Fax****Email**

mb.aliakbari@gmail.com

**Web page address****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*