

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jul 2026

### The effect of patient handling education on knowledge and practice of nursing staff

#### Protocol summary

##### Summary

The present study aims to evaluate the effect of patient handling education on knowledge and practice of nursing staff in Shiraz. A randomized clinical trial conducts on nurses in Intensive Care Units of hospitals affiliated to Shiraz University of Medical Sciences. 100 nurses will be selected using multi- stage sampling. Samples will be divided randomly into control and intervention groups. Knowledge and practice of participants will be evaluated using researcher-made questionnaire and checklist, respectively. At the first step, questionnaire and checklists are completed by two groups. After this step, 5 theoretical and practical sessions (each session lasts 4 hours) of patient handling and body mechanics training are held for intervention group. After 6 weeks, we will evaluate knowledge and practice of personnel.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016052428042N1**

Registration date: **2016-06-26, 1395/04/06**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2016-06-26, 1395/04/06

##### Registrant information

###### Name

Abutaleb Aahmoudi

###### Name of organization / entity

Shiraz University Of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 917 472 4847

###### Email address

fakhariah@sums.ac.ir

###### Recruitment status

**Recruitment complete**

###### Funding source

Vice chancellor for research , Shiraz University of Medical Sciences

###### Expected recruitment start date

2016-06-04, 1395/03/15

###### Expected recruitment end date

2016-06-21, 1395/04/01

###### Actual recruitment start date

empty

###### Actual recruitment end date

empty

###### Trial completion date

empty

###### Scientific title

The effect of patient handling education on knowledge and practice of nursing staff

###### Public title

The effect of patient handling education on knowledge and practice of nursing staff

###### Purpose

Prevention

###### Inclusion/Exclusion criteria

Inclusion criteria: all nursing staff(regardless of experience and age) working in Intensive Care Units of hospitals affiliated to Shiraz University Of Medical Sciences ; The desire to participate in the study ;The signing of informed consent by staff Exclusion criteria: refusing participation in pretest or post test ; refusing participation in education sessions ; no previous education in patient handling programs

###### Age

No age limit

###### Gender

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: **100**

**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**

Medical Research Ethics Committee of Shiraz  
University of Medical Sciences

**Street address**

Central Building of Shiraz University of Medical  
Sciences, Zand Blvd, Shiraz

**City**

Shiraz

**Postal code**

0098

**Approval date**

2016-05-28, 1395/03/08

**Ethics committee reference number**

IR.SUMS.REC.1395.27

**Health conditions studied**

1

**Description of health condition studied**

Diseases of the musculoskeletal system and connective  
tissue

**ICD-10 code**

M 0-99

**ICD-10 code description**

Diseases of the musculoskeletal system and connective  
tissue

**Primary outcomes**

1

**Description**

The correct implementation of patient handling

**Timepoint**

Before intervention and 6 week after intervention

**Method of measurement**

Researcher-made questionnaire and checklist

**Secondary outcomes**

1

**Description**

Doing correct body mechanics

**Timepoint**

before intervention and 6 week after intervention

**Method of measurement**

Researcher-made questionnaire and checklist

**Intervention groups**

1

**Description**

"Intervention group: education contains 5 theoretical and  
practical sessions(each session lasts 4 hour) including  
PowerPoint presentation and training on body mechanics  
and patient handling."

**Category**

Prevention

2

**Description**

"Control group: receives no education"

**Category**

Prevention

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Hospitals affiliated to Shiraz University Of Medical  
Sciences

**Full name of responsible person**

Hashem Rahmati

**Street address**

**City**

shiraz

**Sponsors / Funding sources**

1

**Sponsor**

**Name of organization / entity**

Research Deputy of Shiraz University of Medical  
Science

**Full name of responsible person**

Dr Seyed Basir Hashemi

**Street address**

Central Building of Shiraz University of Medical  
Science, Zand Blvd, Shiraz

**City**

Shiraz

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Research Deputy of Shiraz University of Medical Science

**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**

Shiraz University Of Medical Sciences

**Full name of responsible person**

Hashem Rahmati

**Position**

Masters Field, Head of Department Of Emergency  
Medical Service

**Other areas of specialty/work**

**Street address**

Faculty of Nursing and Midwifery, Square Namazi,  
Shiraz

**City**

Shiraz

**Postal code**

00981311971936

**Phone**

+98 71 1647 4257

**Fax**

-

**Email**

Rahmatyh@sums.ac.ir

**Web page address**

-

## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

Shiraz University Of Medical Sciences

**Full name of responsible person**

Hashem Rahmati

**Position**

Masters Field, Head of Department Of Emergency  
Medical Service

**Other areas of specialty/work**

**Street address**

Faculty of Nursing and Midwifery, Square Namazi,  
Shiraz

**City**

Shiraz

**Postal code**

0981311971936

**Phone**

+98 71 1647 4257

**Fax**

**Email**

Rahmatyh@sums.ac.ir

**Web page address**

## Person responsible for updating data

**Contact**

**Name of organization / entity**

Shiraz University Of Medical Sciences

**Full name of responsible person**

Abutaleb Mahmoudi

**Position**

MSC Nursing

**Other areas of specialty/work**

**Street address**

Faculty of Nursing and Midwifery, Square Namazi,  
Shiraz

**City**

Shiraz

**Postal code**

00981311971936

**Phone**

**Fax**

**Email**

Fakhariah@sums.ac.ir, abutaleb\_24@yahoo.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*