

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 May 2026

### The effect of pain management in children and neonatal on knowledge of pediatric and NICU nurses

#### Protocol summary

##### Study aim

The effect of pain management on nurses' awareness

##### Design

This study was performed in three stages: pre-test, test and post-test; First, in the pre-test stage, the performance questionnaire on pain management in infants and children was completed by 30 pediatric nurses and neonatal intensive care. Then, in the testing phase, nurses were randomly divided into control and intervention groups (two groups of 15 people); Using a one-day workshop for 3 hours on pain assessment methods including the physiological, behavioral, and self-reporting methods and pain control were performed using pharmacological and non-pharmacological methods in neonates hospitalized in the neonatal intensive care unit for infants and children. In the post-test phase, one month later, the researcher evaluated the awareness questionnaire on pain control in the intervention and control group

##### Settings and conduct

The present study is a quasi-experimental pre-test-posttest test that was performed on 30 nurses working in the neonatal and pediatric intensive care units of Motahhari Educational Hospital in Jahrom in 2017.

##### Participants/Inclusion and exclusion criteria

Entry criteria include: 1. Nurses with a university degree in nursing 2. have more than a year of experience in the neonatal and pediatric intensive care unit. Criteria for withdrawal: 1. staff reluctance to participate in research 2. who have undergone pain management over the past year.

##### Intervention groups

in the testing phase, nurses were randomly divided into control and intervention groups (two groups of 15 people); Using a one-day workshop for 3 hours on pain assessment methods including the physiological, behavioral, and self-reporting methods and pain control were performed using pharmacological and non-pharmacological methods in neonates hospitalized in the

neonatal intensive care unit for infants and children

##### Main outcome variables

Awareness of nurses

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20180412039285N1**

Registration date: **2020-08-30, 1399/06/09**

Registration timing: **retrospective**

Last update: **2020-08-30, 1399/06/09**

Update count: **0**

##### Registration date

2020-08-30, 1399/06/09

##### Registrant information

##### Name

fateme nasimi

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 71 5434 1501

##### Email address

nasimif@yahoo.com

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2017-11-01, 1396/08/10

##### Expected recruitment end date

2018-03-11, 1396/12/20

##### Actual recruitment start date

2017-11-01, 1396/08/10

##### Actual recruitment end date

2018-03-11, 1396/12/20  
**Trial completion date**  
2018-03-11, 1396/12/20

**Scientific title**  
The effect of pain management in children and neonatal on knowledge of pediatric and NICU nurses

**Public title**  
pain management in children and neonatal on knowledge

**Purpose**  
Education/Guidance

**Inclusion/Exclusion criteria**

**Inclusion criteria:**

Nurses with a university degree in nursing who have a desire to collaborate in the study To be employed in the neonatal and pediatric intensive care unit during the research Have more than one year of work experience in the neonatal and pediatric intensive care unit.

**Exclusion criteria:**

Reluctance of personnel to participate in research Those who have undergone pain management over the past year.

**Age**  
No age limit

**Gender**  
Both

**Phase**  
3

**Groups that have been masked**  
*No information*

**Sample size**  
Target sample size: **30**  
Actual sample size reached: **30**

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

**Randomization description**  
First, in the pre-test stage, all pediatric and neonatal intensive care unit nurses were enrolled in the study by census. Then, in the test stage, to divide into two groups of intervention and control, using a table of random numbers in pairs and odd, members of the even group entered the intervention group and individuals of the odd group entered the control group.

**Blinding (investigator's opinion)**  
Not blinded

**Blinding description**  
**Placebo**

Not used

**Assignment**  
Other

**Other design features**

**Secondary Ids**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**  
Ethics Committee of Jahrom University of Medical Sciences

**Street address**  
Motehari street

**City**  
Jahrom

**Province**  
Fars

**Postal code**  
7315974156

**Approval date**  
2018-02-20, 1396/12/01

**Ethics committee reference number**  
IR.JUMS.REC.1396.012

**Health conditions studied**

1

**Description of health condition studied**

Pain management in children

**ICD-10 code**

**ICD-10 code description**

**Primary outcomes**

1

**Description**

Awareness of nurses

**Timepoint**

4 months

**Method of measurement**

Pain Management Questionnaire

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

Control group: In the post-test phase, one month later, the pain management knowledge questionnaire was completed by the control group

**Category**

Other

2

**Description**

Intervention group: In the post-test phase, one month later, the pain management knowledge questionnaire was completed by the intervention group

**Category**

Other

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Motahhari Hospital

**Full name of responsible person**

Fateme Nasimi

**Street address**

Motehari street

**City**

Jahrom

**Province**

Fars

**Postal code**

7315973149

**Phone**

+98 71 5443 0405

**Email**

Nasimif@yahoo.com

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Jahrom University of Medical Sciences

**Full name of responsible person**

Dr hasan abedi

**Street address**

Motehari street

**City**

Jahrom

**Province**

Fars

**Postal code**

7313573149

**Phone**

+98 71 5434 0405

**Email**

hasanabedi@yahoo.com

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Jahrom 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**

Jahrom University of Medical Sciences

**Full name of responsible person**

Fateme Nasimi

**Position**

Faculty

**Latest degree**

Master

**Other areas of specialty/work**

Nursery

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## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

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**Full name of responsible person**

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**Position**

Faculty

**Latest degree**

Master

**Other areas of specialty/work**

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## Person responsible for updating data

### Contact

**Name of organization / entity**

Jahrom University of Medical Sciences

**Full name of responsible person**

Fateme nasimi

**Position**

Faculty

**Latest degree**

Master

**Other areas of specialty/work**

Nursery

**Street address**

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**Province**

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**Postal code**

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**Phone**

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**Email**

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**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