

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 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

Street address

Motehari street

City

Jahrom

Province

Fars

Postal code

7315973149

Phone

+98 71 5434 0405

Email

Nasimif@yahoo.com

Person responsible for scientific 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

Street address

Motehari street

City

Jahrom

Province

Fars

Postal code

7315973149

Phone

+98 71 5434 0405

Email

Nasimif@yahoo.com

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

Motehari street

City

Jahrom

Province

Fars

Postal code

7315973149

Phone

+98 71 5434 0405

Email

Nasimif@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