Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of the Effect of Education through Social Media and Booklet on Nurses' Knowledge and Attitude in Children's Pain Management

Protocol summary

Study aim

Comparison of the Effect of Education through Social Media and Booklet on Nurses' Knowledge and Attitude in Children's Pain Management

Design

A Quasi-experimental study with control group on 75 rotating shift nurses

Settings and conduct

The first intervention group received training through an educational booklet prepared by the researcher, and its contents include information about pain and its types, pain physiology, different tools for pain diagnosis, pharmacological and non-pharmacological methods of pain relief, and they will have 72 hours to study. In the second intervention group, the content of the educational booklet will be presented in the form of content, videos and images related to the topic of pain management through Whats App messenger, and the researcher will review the content in a collective group in which the participants are added. And will be sent and 72 hours time will be given to the participants to study. During this period, follow-up will be done by the researcher through the Whats App messenger to check the study of the materials sent by the samples. The control group will receive routine ward training.

Participants/Inclusion and exclusion criteria

• Nurses who have been working in children's departments for at least 6 months. • Shifts are rotating. • Have a bachelor's degree or higher. • Access to mobile phones at home and at work • Have access to Whats App

Intervention groups

The intervention group will consist of two groups, and it includes intervention through educational booklets and intervention through the Social Media.

Main outcome variables

Knowledge, attitude, pain management in children

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20100823004617N18**
Registration date: **2023-06-21, 1402/03/31**
Registration timing: **retrospective**

Last update: **2023-06-21, 1402/03/31**
Update count: **0**

Registration date

2023-06-21, 1402/03/31

Registrant information

Name
Mahnaz Jabraeili
Name of organization / entity
Tabriz University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-02-19, 1401/11/30

Expected recruitment end date

2023-05-19, 1402/02/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
Comparison of the Effect of Education through Social Media and Booklet on Nurses' Knowledge and Attitude in Children's Pain Management

Public title
The effect of education on nurses' knowledge
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Nurses who have been working in pediatric wards for at least 6 months. Shifts are in circulation. Have a bachelor's degree or higher. Mobile access at home and at work Have access to WhatsApp
Exclusion criteria:
Do not fill in 20% of the questionnaire questions
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **75**
Randomization (investigator's opinion)
Randomized
Randomization description
Due to the possibility of exchanging information between intervention and control groups and minimizing contamination between samples, sampling of shift nurses will be done and also random allocation will be cluster randomization method in a way that randomly Three sections will be in the control group, three sections in the training booklet group and three sections in the training group through social media, and all nurses in each section will be included in the study.
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 Tabriz University of Medical Sciences
Street address
Azadi St., Golgasht St., Imam Reza Hospital
City
Tabriz
Province
East Azarbaijan
Postal code
5166614756
Approval date
2022-01-15, 1400/10/25
Ethics committee reference number
IR.TBZMED.REC.1400.1040

Health conditions studied

1

Description of health condition studied
Pediatric pain managment
ICD-10 code
G89.1
ICD-10 code description
Acute pain, not elsewhere classified

Primary outcomes

1

Description
Nurses' knowledge in pediatric pain management
Timepoint
before the start of the intervention and one week and three weeks after the intervention
Method of measurement
Using the PNKAS questionnaire

2

Description
Nurses' attitude in children's pain management
Timepoint
before the start of the intervention and one week and three weeks after the intervention
Method of measurement
Using the PNKAS questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Control group: They will receive the routine training of the department.
Category
Other

2

Description
Intervention group: In this group, in addition to the

routine trainings, the training booklet section prepared by the researcher and its content includes information about pain and its types, pain physiology, different pain diagnosis tools, drug and non-drug pain relief methods, and 72 hours They will have the opportunity to study.

Category

Other

3

Description

Intervention group: In addition to the routine training of the training section through social media, this group will also present the content of the educational booklet in the form of content, videos and images related to the topic of pain management through Whats App messenger and the researcher will share the content in a It will send the collective group in which the participants have been added.Community Verified icon

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Tabriz Childrens Hospital

Full name of responsible person

Dr. Mahnaz Jabraeili

Street address

Tabriz, Tabriz-Zanjan road, Mardani Azar Children's Hospital, Tabriz

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Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Mohammad Samiei

Street address

No. 2 Central Bilding Research Deputy of Tabriz University of Medical Sciences. Golestan Street. Tabriz

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research-vico@tbzmed.ac.ir

Web page address

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tabriz 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

Tabriz University of Medical Sciences

Full name of responsible person

Mahnaz Jabraeili

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available
Justification/reason for indecision/not sharing IPD
No more information.
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
No - There is not a plan to make this available
Clinical Study Report
No - There is not a plan to make this available
Analytic Code
No - There is not a plan to make this available
Data Dictionary
No - There is not a plan to make this available