

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Investigating the effect of education using checklist on the quality of intra-hospital transfer and on the hemodynamic parameters of critically ill patients

Protocol summary

Study aim

Determining the effect of education on the use of checklist on the quality of intra-hospital transfer and hemodynamic parameters of critically ill patients

Design

Experimental study composed of two groups. The sample size consists of 130 patients. The sampling method will be available sampling. Then according to the entry criteria, 65 patients will be allocated into the control group and 65 patients will be allocated into the intervention group.

Settings and conduct

This study will be done at educational hospitals, affiliated to Zahedan University of Medical Sciences. There is no intervention in the control group. Transfer quality is checked using the checklist. The patient's vital signs (Blood pressure, respiratory rate, pulse rate, central body temperature and median arterial pressure) are measured before and after transmission. In the intervention group, the doctrine and the safe transfer checklist as well as the management of vital signs are taught. After one month, the quality of transmission and the patient's vital signs are checked and collected.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Nurses working in emergency departments, CCU, ICU; At least 6 months work experience in the relevant department; Satisfaction to participate in the study; Critical patients who receive a minimum score of 14 and more on the basis of a risk transfer checklist; Patient accompaniment by the nurse during inpatient transfer. Non-Inclusion criteria: Patient accompaniment by the resident in training during inpatient transfer; Participation in the transfer-of-patient training course in the last six months.

Intervention groups

In the control group, no training is provided, only the quality of transmission and the patient's vital signs can

be observed using the checklist. In the intervention group, safe transfer methods and safe transfer checklist are trained.

Main outcome variables

Improving the quality of critical patient transmission

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180614040096N1**

Registration date: **2019-03-26, 1398/01/06**

Registration timing: **retrospective**

Last update: **2019-03-26, 1398/01/06**

Update count: **0**

Registration date

2019-03-26, 1398/01/06

Registrant information

Name

Sadegh Akrami

Name of organization / entity

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-08-05, 1397/05/14

Expected recruitment end date

2019-02-20, 1397/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of education using checklist on the quality of intra-hospital transfer and on the hemodynamic parameters of critically ill patients

Public title

The effect of education using checklist on the Quality of intra-hospital transfer and on the Hemodynamic parameters

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Nurses working at emergency, CCU or ICU wards. Having a minimum 6-month work experience in the relevant ward Having satisfaction with the participation in the research study (safe transfer of patients educational courses) Critically ill patients who need an intra-hospital transfer for diagnostic or therapeutic examination according to the physician's order, and obtain a minimum score of 14 or more from the checklist of transfer risk. Patient accompaniment by the nurse during intra-hospital transfer

Exclusion criteria:

Participation in the courses on how to transfer critically ill patients during the last six months Patient accompaniment by a medical doctor (resident in training) during intra-hospital transfer

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **130**

Randomization (investigator's opinion)

Randomized

Randomization description

At first, among Ali ibn Abi Talib and Khatam al-Anbia training hospitals, one of these hospitals will be selected by Simple randomization method as intervention group and another hospital as the control group. Then samples will be selected among critically ill patients being intra-hospital transferred, in an accessible manner

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 Zahedan University of Medical Sciences

Street address

Zahedan University of Medical Sciences and Health Services, Office Complex of campus, KHalige Fars blvd, Dr. Hesabi Square, Ziba SHahr, phone numbe:05433295765

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Province

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Postal code

98167-43463

Approval date

2018-08-05, 1397/05/14

Ethics committee reference number

IR.ZAUMS.REC.1397.192

Health conditions studied**1****Description of health condition studied**

Patients with critical illness in ICU, CCU and Emergency department

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

The quality score of transmission of critical patients

Timepoint

Before Start and after the transfer of patient

Method of measurement

Intra Hospital Safe Transfer Checklist, Pulse Oximetry and Tympanic curtain thermometer

2**Description**

blood pressure

Timepoint

Before Start and after the transfer of patient

Method of measurement

Digital Arm Barometer

3**Description**

Heart Beat
Timepoint
Before start and after the transfer of patient
Method of measurement
Pulse Oximeter

4

Description
respiratory rate
Timepoint
Before start and after the transfer of patient
Method of measurement
See

5

Description
Central body temperature
Timepoint
Before Start and after the transfer of patient
Method of measurement
Digital tympanic thermometer

6

Description
Oxygen saturation of peripheral capillary blood
Timepoint
Before Start and after the transfer of patient
Method of measurement
Pulse oximetr

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: In the intervention group, the doctrine and the safe transfer checklist as well as the management of vital signs are taught in the hospital.
Category
Other

2

Description
There is no intervention in the control group. Transfer quality is checked using the checklist. The patient's vital signs (Blood pressure, respiratory rate, pulse rate, central body temperature and median arterial pressure) are measurement before and after transmission.
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Zahedan Khatam Al Anbia Hospital
Full name of responsible person
Zahra Pishkar Mofrad
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2

Recruitment center
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
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Full name of responsible person
Nor Muhammad Bakhsani
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Zahedan 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
Zahedan University of Medical Sciences

Full name of responsible person
Sadegh Akrami

Position
Master's degree in nursing care

Latest degree
Master

Other areas of specialty/work
Nursery

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Person responsible for updating data

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Latest degree
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Other areas of specialty/work
Nursery

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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
No - There is not a plan to make this available

Statistical Analysis Plan
No - There is not 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