Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

Audit of Critically ill Patients Transportation’s Process in Emergency Department

Protocol summary

Study aim
General goal: Audit of Critically ill Patients Transportation’s Process in Emergency

Design
This study is a semi-experimental intervention type of a before and after group, in which the status of the intra-hospital transportation process of critically ill patients in Emergency department will be investigated based on the clinical audit process of the position stabilization model according to the patient transportation checklist tool.

Settings and conduct
A semi-experimental study of a single group before and after intervention in the emergency department of Baqiyatullah Hospital using the patient transportation checklist tool

Participants/Inclusion and exclusion criteria
nurses entry criteria: Nurses should have at least two months of experience working in the emergency room. Nurses must have a nursing associate degree, internship or higher. Nurses should be between 22 and 60 years old. Patient entry criteria: Critical patients in the emergency department, who have been admitted for at least 3 hours and are ready to be transferred to the intensive care unit according to the doctor's order. There is no age limit for patients. Non-entry criteria: Not having the conditions to take into account the illness of the patients and the minimum length of hospitalization

Intervention groups
In this audit study, first, the status of the transportation process of critically ill patients in the emergency department will be checked with the tool of the standard checklist for the transportation of critically ill patients. Then, according to the information obtained from the checklist, a consensus and decision-making meeting will be held with the team of consultants and judges regarding the determination of the appropriate intervention, and the type of intervention will be determined in that meeting.

Main outcome variables
Patient transportation process standards

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20240310061245N1**
Registration date: **2024-04-03, 1403/01/15**
Registration timing: **prospective**

Last update: **2024-04-03, 1403/01/15**
Update count: **0**

Registration date
2024-04-03, 1403/01/15

Registrant information

Name
Alireza Abasi Niasar

Name of organization / entity

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Iran (Islamic Republic of)

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2024-05-04, 1403/02/15

Expected recruitment end date
2024-08-05, 1403/05/15

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date

empty

Scientific title
Audit of Critically ill Patients Transportation’s Process in Emergency Department

Public title
Audit of Critically ill Patients Transportation’s Process in Emergency Department

Purpose
Health service research

Inclusion/Exclusion criteria

Inclusion criteria:
Critically ill patients in the emergency department who have been admitted for at least 3 hours and are ready to be transferred to intensive care unit with the doctor's order. Nurses working permanently in the emergency department Nurses should have at least two months of experience working in the emergency room Nurses must have a nursing associate degree, internship or higher. There is no age limit for patients Nurses should be between 22 and 60 years old.

Exclusion criteria:
Presence of patients in the emergency department for less than 3 hours Absence of indication to transport the patient to the intensive care unit

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **33**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Research Ethics Committees of Baqiyatallah Hospital

Street address
Baqiyatallah university of medical science, Vanak square, Tehran

City
Tehran

Province
Tehran

Postal code
1435916471

Approval date
2024-03-04, 1402/12/14

Ethics committee reference number
IR.BMSU.BAQ.REC.1402.113

Health conditions studied

1

Description of health condition studied
Critically ill Patients Transportation’s Process

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Patient transportation process standards

Timepoint
Examining the standards of the patient transportation process at the beginning of the study (before the start of the intervention) and 3 days after the intervention

Method of measurement
Checklist of patient transportation process standards

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: This study is a semi-experimental intervention type in which the standards of the transportation process of critically ill patients will be reviewed based on the audit stages. The audit stages include choosing the subject, determining the characteristics and conditions of the audit, collecting information, comparing the information with the standards, taking action to improve and re-examining the situation. After completing steps one to five, an analysis and summary session will be held by research members and judges based on the information obtained. Interventions will be designed based on this meeting and the appropriate intervention will be done according to the changing situation during the study. In general, the process of this study is as follows:1. Obtaining a letter of introduction from the university to Baqiyatullah (AS) hospital2. Making the necessary arrangements with hospital managers, nursing management and emergency department3. Explaining the method to all nurses in different shifts by the researcher and obtaining the

consent of the nurses and the patients and obtaining consent to participate in the study.4. Determining the status of standards for the in-hospital transportation process of critically ill emergency patients to intensive care units based on the patient transportation checklist5. Comparison of the status of the transfer process of existing critically ill patients with the standard patient transfer checklist6. Designing corrective measures according to the information obtained from the previous steps regarding the non-compliance of the current situation of the transportation process of critically ill patients with the standards of the transportation process of critically ill patients and based on the consensus meeting of the research team and respected referees and finally its implementation by the project manager7. Determining the status of the transfer process of critically ill patients after corrective measures8. Comparison of the status of the transportation process of critically ill patients before and after corrective measures9. Data entry and statistical analysis using SPSS-v 26 statistical software and reporting the results

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Baqiyatallah Hospital

Full name of responsible person
معاونت پژوهش و فن آوری واحد توسعه تحقیقات بالینی

Street address
Baqiyatallah Hospital, Vanak square, Tehran

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Bagheiat-allah University of Medical Sciences

Full name of responsible person
دکتر ایمانی فولادی

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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
Bagheiat-allah 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
Bagheiat-allah University of Medical Sciences

Full name of responsible person
Alireza Abasi Niyasar

Position
student

Latest degree
Bachelor

Other areas of specialty/work
Nursery

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available

Study Protocol
Yes - There is a plan to make this available

Statistical Analysis Plan
Yes - There is a plan to make this available

Informed Consent Form
Yes - There is a plan to make this available

Clinical Study Report
Yes - There is a plan to make this available

Analytic Code
Yes - There is a plan to make this available

Data Dictionary
Yes - There is a plan to make this available

Title and more details about the data/document
The results of the research and information related to the main outcome are shared.

When the data will become available and for how long
Beginning of the access period from the end of 1403

To whom data/document is available
Researchers of medical centers, hospitals and universities of medical sciences

Under which criteria data/document could be used
Data access levels will be granted under the agreement of Hafa and Baqiyatullah University of Medical Sciences.

From where data/document is obtainable
Access and correspondence is possible through the following email: alireza.abasi1806@gmail.com

What processes are involved for a request to access data/document
1. Send request by email 2. Submitting the application to the Research Center and Baqiyatullah University of Medical Sciences 3. The final answer to the request

Comments