

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jun 2026

The effect of applying Nursing triage tool based on the Roy adaptation model on the anticipate the need for CPR and anticipate the need ICU hospitalization and functional independence and disability on patients undergoing head trauma

Protocol summary

Summary

Objective: The Influence of measurement tools based nursing Roy adaptation model predicts the need for CPR and the need for ICU and independence and functional ability of patients with head trauma Study: randomized, double-stage Study population: In the first stage kidney injury referring to the emergency in the age range of 18-60 years and the second stage in neurosurgery ward patients who are hospitalized for up to 24 hours Sample volume : In the first stage of the 147 people, 200 people in each group, in the second stage of the 40 people in each group intervention: To think about a patient with the form triage emergency based on the pattern, The second phase of the study and care head trauma patients, According to a consistent pattern on Time: Intervention in the first stage of the moment she entered the patient sector and in the second stage is at the beginning of the study and is based on the The consequences of the study, the correct triage and secondary trauma patients and comprehensive and care of patients to improve performance, Which led to the independence and functional disability ill

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016112831154N1**
Registration date: **2017-02-04, 1395/11/16**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-02-04, 1395/11/16

Registrant information

Name

Zahra Aramesh

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 3802 6300

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Recruitment status

Recruitment complete

Funding source

127/5000 Research funding presenter / presenters of the host contract and the partnership% of credit
Drdsdyatbar Research Center

Expected recruitment start date

2015-06-22, 1394/04/01

Expected recruitment end date

2015-08-23, 1394/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of applying Nursing triage tool based on the Roy adaptation model on the anticipate the need for CPR and anticipate the need ICU hospitalization and functional independence and disability on patients undergoing head trauma

Public title

The effect of applying Nursing triage tool based on the

Roy adaptation model on the anticipate the need for CPR and anticipate the need ICU hospitalization and functional independence and disability on patients undergoing head trauma

Purpose

Diagnostic

Inclusion/Exclusion criteria

E) the terms of inclusion and exclusion criteria: The main condition of the patient in the emergency room: Iranian Mashhad city and suburbs resident is to be consent to participate in research because of head trauma in the emergency department is aged between 18 and 60 years have, to speak the Persian language; The main condition of the patient in the emergency exit: Patients also tend to have more cooperation in research, patient dies due to various reasons. Conditions of entry in the ward: Iranian Mashhad city and suburbs resident is to be consent to participate in research; to be hospitalized due to head trauma, aged between 18 and 60 years have .; to speak the Persian language. Terms of out patient the ward: Patients also tend to have more cooperation in research .; patient dies due to various reasons. , The patient is admitted for less than 24 hours; patients transferred to another department.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **480**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Mashhad University of Medical Sciences Ethics Committee

Street address

Qoreishi Building, Mashhad University of Medical Sciences, Daneshgah St, Mashhad

City

Mashhad

Postal code

1394491388

Approval date

2015-11-25, 1394/09/04

Ethics committee reference number

research/940636/1/855

Health conditions studied

1

Description of health condition studied

BRAIN INJURY

ICD-10 code

S00, S01,

ICD-10 code description

Brain hematoma, Trauma, Triage, ROY adaptation model

Primary outcomes

1

Description

Anticipate the need ICU hospitalization

Timepoint

Triage and 12 hours after the bed

Method of measurement

The number of staying in icu and the number of transfer of a patient from section to the icu

2

Description

The need for CPR

Timepoint

Triage

Method of measurement

The number of cases CPR carried out

3

Description

Functional independence

Timepoint

At the end of the day the first to the fifth in bed

Method of measurement

Form based on the performance of independence

4

Description

Disability

Timepoint

At the end of the day the first to the fifth bedridden

Method of measurement

According to form functional disability

Secondary outcomes

1

Description

Because of the bed

Timepoint

In the triage

Method of measurement

Triage form

Intervention groups

1

Description

Triage according to the roy adaptation model and care according to the roy adaptation model

Category

Early detection

2

Description

In the control group in the first stage to triage according to ESI for head trauma patient and define their triage level.

Category

Early detection

3

Description

Intervention in the second stage includes assessment according to form based on the ROY adaptation model that eventually Functional independence and disability for patients is measured by the inability of

Category

Early detection

4

Description

In the second stage in the control group, Patients are routinely accept and care and ultimately functional independence and disability to be checked

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Kamyab Hospital

Full name of responsible person

Seyed Reza Mazlom

Street address

Fadaeiane Eslam Street, Mashhad

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Vice-Chancellor (Research and Technology)
Mashhad University of Medical Sciences

Full name of responsible person

Dr. Mohsen Tafaghodi

Street address

Qoreishi Building, Mashhad University of Medical Sciences, Daneshgah St, Mashhad

City

Mashhad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research Vice-Chancellor (Research and Technology)
Mashhad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

University of nursing and midwifery of Mashhad

Full name of responsible person

Seyed Reza Mazlom

Position

Ph.D Candidate

Other areas of specialty/work

Street address

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Person responsible for scientific inquiries

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty