

# 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

##### Email address

arameshz1@mums.ac.ir

#### 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**

School of Nursing and Midwifery, Daneshgah Street, Mashhad

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**Web page address**

**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*