

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 May 2026

### The study of hospital incident command system on the preparedness of NAJA hospitals in disaster using simulated conditions

#### Protocol summary

##### Summary

The aim of this study was to evaluate the impact of hospital incident command system on hospital preparedness of the NAJA in response to events using the simulated disasters. Methods: this was a quasi-experimental intervention study. The study population included all managers (male and female) in the Valiasr and Imam Saggad Hospitals, Tehran, Iran, who were included in the study using a complete enumeration method. Among 55 participants, 23 were assigned in the control group (Imam Saggad Hospital) and 32 in the intervention group (Valiasr Hospital). First, the level of disaster preparedness in both hospitals was assessed using the Hospital Preparedness Scale (Khanke et al.). Then, the HICS was implemented in the Valiasr Hospital (intervention), and managers were instructed on the disaster scenario (in three days). After one month, the level of preparedness in both hospitals was again measured using the National hospital Preparedness Scale.

#### General information

##### Acronym

HICS

##### IRCT registration information

IRCT registration number: **IRCT2016091829858N1**

Registration date: **2017-01-18, 1395/10/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-01-18, 1395/10/29

##### Registrant information

###### Name

Mahtab Lotfolahbeygi

##### Name of organization / entity

University of Welfare and Rehabilitation

##### Country

Iran (Islamic Republic of)

##### Phone

+98 22953495

##### Email address

ma.lotfolahbeygi@uswr.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Education NAJA Valiasr Hospital-University of Social Welfare and Rehabilitation

##### Expected recruitment start date

2016-02-09, 1394/11/20

##### Expected recruitment end date

2016-03-10, 1394/12/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The study of hospital incident command system on the preparedness of NAJA hospitals in disaster using simulated conditions

##### Public title

The study of hospital incident command system on the preparedness of hospitals

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: their willingness to participate in research; hospital directors including the chairman of the hospital, the hospital's deputy, the head of human resources, head of logistics, chief Medical Equipment, chief moderator, all supervisors and head nurses; at least

3 year experience in the management hospital, at least bachelor Exclusion criteria: The lack of management, lack of desire to participate in research

#### **Age**

No age limit

#### **Gender**

Both

#### **Phase**

N/A

#### **Groups that have been masked**

No information

#### **Sample size**

Target sample size: 55

#### **Randomization (investigator's opinion)**

N/A

#### **Randomization description**

#### **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 the University of Welfare and Rehabilitation Sciences

##### **Street address**

University of welfare and rehabilitation, Kudakyar Street, Daneshgoo Blvd, Avyn, Tehran

##### **City**

Tehran

##### **Postal code**

1985713834

#### **Approval date**

2015-09-23, 1394/07/01

#### **Ethics committee reference number**

TR.USWR.REC.1394.285

## **Health conditions studied**

### **1**

#### **Description of health condition studied**

The study of hospital incident command system on the preparedness of NAJA hospitals in disaster

#### **ICD-10 code**

#### **ICD-10 code description**

## **Primary outcomes**

### **1**

#### **Description**

the preparedness of Naga hospitals Tehran in disaster

#### **Timepoint**

Before the intervention -one month after the intervention

#### **Method of measurement**

questionnaire of hospital assessment in disaster

## **Secondary outcomes**

empty

## **Intervention groups**

### **1**

#### **Description**

Hospital Incident Command System training with books on disaster preparedness Hospital doctor Khanke, studies Jallali and ...by lecture and educational film and scenario around a Table for three days in Hospital (Valiasr) and complete check list Hospital preparedness by Hospital managers before intervention and one month after the intervention.

#### **Category**

Prevention

### **2**

#### **Description**

In two times in just one month in the hospital check lists prepared by the directors of hospital Sajjad was filled and Intervention was not performed in Imam Sajjad hospital.

#### **Category**

Prevention

## **Recruitment centers**

### **1**

#### **Recruitment center**

##### **Name of recruitment center**

Valiasr NAJA Hospital

##### **Full name of responsible person**

Lotfolahbeygi Mahtab

##### **Street address**

Valiasr NAJA Hospital, upper the Mirdamad, Valiasr street, Tehran

##### **City**

Tehran

### **2**

#### **Recruitment center**

##### **Name of recruitment center**

Imam Sajjad Hospital

##### **Full name of responsible person**

Lotfolahbeygi Mahtab

**Street address**

Imam Sajjad Hospital, northern Bahar Street, Tehran

**City**

Tehran

-

**Email**

ma.lotolahbeygi@uswr.ac.ir

**Web page address****Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Vice Chancellor for Research and Technology,  
University of Social Welfare and Rehabilitation

**Full name of responsible person**

Mr Dr Khanke

**Street address**

University of welfare and rehabilitation, Kudakyar  
Street, Daneshgoo Blvd, Avyn, Tehran

**City**

Tehran

**Grant name**

-

**Grant code / Reference number**

-

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

Yes

**Title of funding source**

Vice Chancellor for Research and Technology, University  
of Social Welfare and Rehabilitation

**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 welfare and rehabilitation

**Full name of responsible person**

Lotfolahbeygi Mahtab

**Position**

Bachelor of nursing -nurse

**Other areas of specialty/work****Street address**

Tehran

**City**

Valiasr NAJA Hospital, upper the Mirdamad, Valiasr  
street , Tehran

**Postal code**

1996714184

**Phone**

+98 21 8877 0022

**Fax****Person responsible for scientific inquiries****Contact****Name of organization / entity**

University of welfare and rehabilitation

**Full name of responsible person**

Mr Dr Khanke

**Position**

lecturer

**Other areas of specialty/work****Street address**

University of welfare and rehabilitation, Kudakyar  
Street, Daneshgoo Blvd, Avyn, Tehran

**City**

Tehran

**Postal code**

1985713834

**Phone**

+98 21 2218 0013

**Fax**

-

**Email**

Hamid.khankeh@kise

**Web page address**

-

**Person responsible for updating data****Contact****Name of organization / entity**

University of welfare and rehabilitation

**Full name of responsible person**

Lotfolahbeygi Mahtab

**Position**

Bachelor of nursing

**Other areas of specialty/work****Street address**

Valiasr NAJA Hospital, upper the Mirdamad, Valiasr  
street, Tehran

**City**

Tehran

**Postal code**

1996714184

**Phone**

+98 21 2295 3495

**Fax****Email**

mahtab.lotfolahbeygi@uswr.ac.ir

**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*