

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jun 2026

### The effect of risk management program on preparation skills of concentrated electrolytes in nurses

#### Protocol summary

##### Summary

The effect of risk management program on preparation skills of concentrated electrolytes in emergency nurses  
Introduction: with emergency care has always been dangerous.iterative process and rationale for dealing with hazardous situations. The impact of the implementation of the risk management skills of concentrated electrolyte preparation will be examined in this study. Way: This is an experimental study. 50 nurses and Bhyarany in the process of medication in hospitals where there are, after obtaining informed consent, the procedure will be selected. Nurses and hospital workers receive routine control program. In the experimental group after the initial sampling, implementation of risk management programs will be started and will continue for one month during the three sessions. Data in the post test phase one and two, will be collected and will be analyzed using descriptive and inferential statistics. Conclusion: risk management program as a method of risk control, in hospitals recommended. Keywords: risk management, nurses, preparation error, concentrated electrolytes

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015020320934N1**  
Registration date: **2015-08-04, 1394/05/13**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2015-08-04, 1394/05/13

##### Registrant information

Name

Nasrin Jafari Golestan

##### Name of organization / entity

AjA university of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 7750 0404

##### Email address

n.jafarigolestan@ajaums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

AjA University of Medical Sciences

##### Expected recruitment start date

2012-03-19, 1390/12/29

##### Expected recruitment end date

2014-10-23, 1393/08/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of risk management program on preparation skills of concentrated electrolytes in nurses

##### Public title

The effect of risk management on skills nurses

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: Nurses and healthcare workers have a high school diploma! Nurses and health workers in three shifts (morning, afternoon, evening) are working in the emergency room; Nurses and healthcare workers involved in the process of drug therapy. Exclusion Criteria: Nurses who wish to co-exist

##### Age

No age limit

## Gender

Both

## Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 50

## Randomization (investigator's opinion)

Randomized

## 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 AjA University of Medical Science

##### Street address

AjA University of Medical Science, Street  
Etemadzadeh, Street fatemi

##### City

Tehran

##### Postal code

#### Approval date

2010-08-20, 1389/05/29

#### Ethics committee reference number

9328

## Health conditions studied

### 1

#### Description of health condition studied

Communication skills programs, risk management and preparation of the condensed electrolyte in emergency nurses

#### ICD-10 code

#### ICD-10 code description

## Primary outcomes

### 1

#### Description

Evaluation Skills Nursing

#### Timepoint

Pretest, Post test, post test(2), 2 months after intervention

#### Method of measurement

Questionnaire

## Secondary outcomes

### 1

#### Description

Evaluation Skill Nursing

#### Timepoint

pre test, post test, post test (2) 2 months after intervention

#### Method of measurement

Questionnaire

## Intervention groups

### 1

#### Description

In the intervention group (test): The unit of study groups and how to fill in the questionnaire voluntary reporting errors by nurses and workers will be trained by the researcher. The training was conducted over a two-hour sessions in four shifts. The question of a voluntary reporting error by the researcher, studied the units. Ask a voluntary reporting errors in the emergency department of a fund that has been considered by the investigator, will be collected. During the collection of the questionnaires voluntary reporting error in the hospital 2 months considered. Learning about the error took place, the training consists of 4 hours, 2 sessions of 2 hours of theoretical and practical information on how to properly prepare the condensed electrolyte. (Including medical computing education, training, documentation, training with infusion pumps, Research for liability insurance) and pamphlets prepared in connection with the safety of medication with concentrated electrolytes. This pamphlet is widely available in the emergency department units studied. This step is considered a month. Total for all four shifts 12 hours is predicted. Control group: The control group will receive training routine hospital

#### Category

Prevention

### 2

#### Description

Control group: No intervention was done.

#### Category

N/A

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

KHanevadeh Hospital(nezaja)

##### Full name of responsible person

**Street address**

Khanevadeh Hospital, Kaj Street, Sharriati Street.

**City**

Tehran

**2****Recruitment center****Name of recruitment center**

Emam Reza Hospital(501 AJA)

**Full name of responsible person****Street address**

Emam Reza Hospital, Etemadzadeh Street, Fatemi Street.

**City**

Tehran

**3****Recruitment center****Name of recruitment center**

Besat Hospital( nehaja)

**Full name of responsible person****Street address****City**

Tehran

**4****Recruitment center****Name of recruitment center**

Golestan Hospital(nedaja)

**Full name of responsible person****Street address**

Next to the freeway Sayyad Shirazi northern, Golestan Hospital

**City**

Tehran

**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

AjA University of Medical Sciences Research Unit

**Full name of responsible person**

president of finance, Miss Bairamvand and Miss Morady

**Street address**

AjA University of Medical Sciences, Street Etemadzadeh, Street fatemi

**City**

Tehran

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

AjA University of Medical Sciences Research Unit

**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**

AjA University of Medical Science

**Full name of responsible person**

Azadeh Ghorbanzadeh

**Position**

AjA University of Medical Science in Master Nursing Student

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

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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*