

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jul 2026

### The effect of caring plans through using concept maps on the nursing students' critical thinking

#### Protocol summary

##### Summary

1) This study investigates the effect of caring plan of the concept map method on nursing students' critical thinking at work. 2) Inclusion criteria: having four credits on Internal Surgery in the current semester; willing to participate in the project; exclusion criteria: being free in case of transferring; dropping : guest. 3) The research method is based on intervening study which evaluates an action research with a control group. 4) The participants will be 34 nursing students who are randomly selected and divided into two equal groups including the concept map and control groups. 5) The participants will fill in the California Type B Questionnaire before their vocational training in the hospital. Then the intervening group will be invited to participate in a one-day workshop on how to draw the concept map before working in the Neurology Ward of the hospital. 6) Each group works on the patients with brain stroke in the Neurology Ward during 10 days. 7) The concept map group should present four caring plans concerned with the patients with CVA. Finally, the participants' critical thinking in both groups will be evaluated and compared , firstly, at the end of the vocational training and , secondly, it is done one month later. The concept maps which are drawn by the intervening group will be evaluated through the criterion of the concept map scale which assesses the participants' progress in drawing their concept maps.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013123015995N1**

Registration date: **2014-01-29, 1392/11/09**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2014-01-29, 1392/11/09

##### Registrant information

###### Name

Zahra Gorjian

###### Name of organization / entity

Abadan Medical Sciences College

###### Country

Iran (Islamic Republic of)

###### Phone

+98 63 1446 5494

###### Email address

gorjian-z@ajums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Ahvaz Jundishapur University of Medical Sciences

##### Expected recruitment start date

2014-02-01, 1392/11/12

##### Expected recruitment end date

2014-02-24, 1392/12/05

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of caring plans through using concept maps on the nursing students' critical thinking

##### Public title

The effect of caring plans through using concept maps on the nursing students' critical thinking

##### Purpose

Other

##### Inclusion/Exclusion criteria

Inclusion criteria: having four credits on Medical Surgical in the current semester; willing to participate in the project; Exclusion criteria: being free in case of transferring; dropping : guest

#### **Age**

No age limit

#### **Gender**

Both

#### **Phase**

N/A

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

No information

#### **Sample size**

Target sample size: 34

#### **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**

Ahvaz Jundishapur University of Medical Sciences

Ethics Committee

###### **Street address**

Golestan

###### **City**

Ahvaz

###### **Postal code**

###### **Approval date**

2013-09-24, 1392/07/02

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

ajums.REC.1392,142

### **Health conditions studied**

#### **1**

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

critical thinking

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

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

### **Primary outcomes**

#### **1**

##### **Description**

Critical Thinking

##### **Timepoint**

Before - After - One month later in two group

##### **Method of measurement**

CCTST ( California Critical Thinking Skills Test ) form B

### **Secondary outcomes**

#### **1**

##### **Description**

Change in drawing concept maps

##### **Timepoint**

At the end of treatment

##### **Method of measurement**

Scoring the concept maps absed on the conceptual map criteria

### **Intervention groups**

#### **1**

##### **Description**

control Group: Without intervention (The usual method:Nursing process)

##### **Category**

Other

#### **2**

##### **Description**

Intervention Group: Nursing Care Plan for students using concept maps drawn for CVA patients in the Neurology unit

##### **Category**

Other

### **Recruitment centers**

#### **1**

##### **Recruitment center**

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

Abadan Medical Sciences College

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

###### **Street address**

###### **City**

Abadan

### **Sponsors / Funding sources**

#### **1**

##### **Sponsor**

###### **Name of organization / entity**

Ahvaz Jundishapur of Medical Sciences

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

Mrs.Jaderi

###### **Street address**

Vice Chancellor for Research Affairs, Ahvaz  
Jundishapur of Medical Sciences

**City**

Ahvaz

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Ahvaz Jundishapur 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**

Abadan Medical Sciences College

**Full name of responsible person**

Zahra Gorjian

**Position**

Nursing MSC Student

**Other areas of specialty/work**

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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*