

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

14 Jun 2026

### The Impacts of Liaison Nurse Services on ICU Discharged Patients' Physical and Psychological Status in Rajaei Hospital - Shiraz - 2013

#### Protocol summary

##### Summary

Objective: Investigation of the effect of ICU liaison nursing service on ICU discharged patients' physical and psychological status in Rajaei hospital Study design: Interventional or randomized clinical trial Method Study population: Inclusion criteria: Ability to communicate either verbally or non-verbally; The first admission in ICU; Having been hospitalized in ICU for at least 72 hours; Not having the history of critical physical diseases and known psychological disorders before being hospitalized in ICU. Exclusion criteria: Being transferred to another hospital; Being transferred to the ward on Friday or between 8 P.M. and 8 A.M. Sample size: Based on the previous studies, a 208-subject sample size (104 subjects in each group) was determined for the study. Intervention: According to the studies conducted on the issue, ICU liaison nurses act in 4 fields including training and supporting the wards nurses regarding the patients' care requirements, creating relationship between the ward and ICU and preparing the two units for the transfer process, training and physically and emotionally supporting the patients, and training and supporting the patients' families. Time of the intervention: From the moment the patient was transferred to the ward. In this way, ICU liaison nurse interventions will be performed in the intervention group and the results will be compared to the control group in definite intervals.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013053013523N1**  
Registration date: **2013-08-26, 1392/06/04**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2013-08-26, 1392/06/04

##### Registrant information

###### Name

Tahereh Ghahramani

###### Name of organization / entity

Shiraz University of Medical Sciences - Fatemeh Nursing and Midwifery College

###### Country

Iran (Islamic Republic of)

###### Phone

+98 71 1647 4254

###### Email address

ghahramant@sums.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

Shiraz University of Medical Sciences

##### Expected recruitment start date

2013-06-22, 1392/04/01

##### Expected recruitment end date

2013-12-22, 1392/10/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The Impacts of Liaison Nurse Services on ICU Discharged Patients' Physical and Psychological Status in Rajaei Hospital - Shiraz - 2013

##### Public title

The Impacts of Liaison Nurse Services on ICU Discharged Patients' Physical and Psychological Status

##### Purpose

Supportive

## **Inclusion/Exclusion criteria**

The inclusion criteria of the study: Age above 18 years; willingness to take part in the study; Ability to communicate either verbally or non-verbally; The first admission in ICU; Having been in ICU for at least 72 hours; Not having the history of critical physical diseases and known psychological disorders before being hospitalized in ICU. The exclusion criteria of the study: Unwillingness to cooperate or disruption of the patient's cooperation for any reason; Being transferred to another hospital; Being transferred to the ward on Friday or between 8 P.M. and 8 A.M.

### **Age**

From **18 years** old to **100 years** old

### **Gender**

Both

### **Phase**

N/A

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

*No information*

### **Sample size**

Target sample size: **208**

### **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**

Shiraz Univesity of Medical Sciences

##### **Street address**

Shiraz Univesity of Medical Sciences, Zand st, Shiraz

##### **City**

Shiraz

##### **Postal code**

13119-71936

#### **Approval date**

2013-04-21, 1392/02/01

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

CT-92-6525

## **Health conditions studied**

### **1**

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

circulatory and respiratory status

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

R00-R09

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

Symptoms and signs involving the circulatory and respiratory systems

## **Primary outcomes**

### **1**

#### **Description**

Physical status

#### **Timepoint**

Time of transfer and 24 and 72 hours after being transferred to the ward.

#### **Method of measurement**

According to MEWS(Modified early warning score)-  
Measurment of vital sign- Document return ( readmission ) to icu - Document death and etc .

### **2**

#### **Description**

Psychological status

#### **Timepoint**

Time of transfer and 24 and 72 hours after being transferred to the ward.

#### **Method of measurement**

Hospital Anxiety and Depression Scale ( HADS )

## **Secondary outcomes**

### **1**

#### **Description**

Return ( readmission ) to icu

#### **Timepoint**

24 and 72 hours after being transferred to the ward.

#### **Method of measurement**

Return ( readmission ) to icu and not return

## **Intervention groups**

### **1**

#### **Description**

In this study, the patients in the intervention group are visited by the ICU liaison nurse at least once a day, the necessary interventions will be performed, and their physical as well as mental status will be recorded. Based on the studies conducted on the issue, an ICU liaison nurse acts in 4 fields as follows: 1. Training the ward nurses regarding the patients' care requirements and supporting them. In this regard, The nurse will be informed about the process of patient care in ICU The patient's body systems, such as the respiratory, cardiovascular, nervous, and gastrointestinal systems, will be reviewed by the responsible nurse, the nurse will be trained regarding the patient's needs in the ward, and the essential points will be put in the patient's kardex in form of a pamphlet. The medicines that will be given to

the patient in the ward will be reviewed with the responsible nurse. The liaison nurse's phone number will be given to the ward nurses to contact her/him if necessary. 2. Creating relationship between the ward and ICU and preparing the two units for the transfer process: Informing the ICU nurses about the ward facilities Encouraging the ICU nurses to give complete and clear reports about the patients to the responsible nurses of the ward Preparing appropriate room, bed, and facilities in the ward for the patients discharged from ICU before and after they are transferred to the ward Trying to inform the ward personnel regarding the patients' transfer and status at least 2-3 hours before the transfer. Also, attempts should be made to avoid patient transfer at inconvenient hours. 3. Training and physically and psychologically supporting the patients: Obtaining the patients' reports of psychical and mental status during ICU stay and reviewing their records at the beginning of the intervention Explaining the reason for transfer, the facilities, and the number of ward personnel to the patients Physically and emotionally supporting the patients since they are informed about being discharged ICU liaison nurse visiting the patients every day, assessing their physical and mental status, and providing them with the necessary care Training the patients to care about themselves both physically and mentally 4. Training and supporting the patients' families: Providing the patient's family with the information about his/her transfer to the ward as well as the ward facilities Explaining the patient's present status and improvement process to his/her family Training the families regarding supporting the patients in the ward to decrease both the patients' and the families' stress

#### Category

Other

## 2

#### Description

On the other hand, the control group patients are transferred to the ward with no interventions. Then, their physical and mental status will be investigated and recorded at the time of transfer and 24 and 72 hours after being transferred to the ward.

#### Category

Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Rajaee Martyr Hospital

##### Full name of responsible person

Marzieh Momennasab ( PHD of Nursing - assistant professor)

##### Street address

Rajaee Martyr Hospital, Chamran Blvd, Shiraz, Farse

##### City

Shiraz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Shiraz University of Medical Sciences

##### Full name of responsible person

Dr. Gholamreza Hatam

##### Street address

Seventh floor of Shiraz university of medical sciences and health services, Zandblvd

##### City

Shiraz

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Shiraz 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

Shiraz University of Medical Sciences

##### Full name of responsible person

Dr. Marzieh Momennasab

##### Position

PHD- assistant professor

##### Other areas of specialty/work

##### Street address

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+98 71 1727 7445

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##### Web page address

## Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

Shiraz University of Medical Sciences

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**Position**

PhD

**Other areas of specialty/work**

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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*