

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

07 Jul 2026

### Inter-professional Educational, emergency residents, nurse, Interprofessional performance, and readiness to change

#### Protocol summary

##### Summary

The aim of the present study will to assess the effectiveness of an Inter-professional Education Model (IPE) based on trans-theoretical theory (TTM) on the inter-professional behavioral change and readiness to change. The study will conduct in a quasi-experimental design. The participants will select from residents of emergency medicine and nurses of the emergency units in two teaching hospitals at Iran University of Medical Sciences through consensus. The assignment of the teaching hospitals as the intervention and control settings was random. The IPE model was designed based on the TTM theory. The participants will classify based on their stage of readiness to change. The interventions are two-day workshops for each stage. The educational will developed based on the core competencies of inter-professional collaboration that included teamwork, inter-professional collaboration, challenge management, role and responsibility of the team members, and inter-professional communication skills competencies by interactive teaching methods. In order to assess the effectiveness of the developed model, we will evaluate the inter-professional collaboration through inter-professional collaborator assessment rubric (ICAR) in four time points in the intervention and control groups before and after the intervention in the real emergency unit environment. readiness to change will assess by IPC-TTM questionnaire.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015092324056N3**

Registration date: **2015-10-21, 1394/07/29**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2015-10-21, 1394/07/29

##### Registrant information

###### Name

Mandana Shirazi

###### Name of organization / entity

Tehran University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

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###### Email address

mandana.shirazi@ki.se

##### Recruitment status

**Recruitment complete**

##### Funding source

Tehran University of Medical Sciences

##### Expected recruitment start date

2015-11-10, 1394/08/19

##### Expected recruitment end date

2016-01-10, 1394/10/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Inter-professional Educational, emergency residents, nurse, Interprofessional performance, and readiness to change

##### Public title

Assessing the effectiveness of an Inter-professional Education Model (IPE) based on trans-theoretical theory (TTM) on the inter-professional behavioral change and readiness to change of emergency residents and nurses

comparison of control groups.

#### **Purpose**

Basic science

#### **Inclusion/Exclusion criteria**

Inclusion Criteria: Residents of Emergency Medicine; Emergency Nurses; Working in Teaching Hospitals of Iran University of Medical Sciences Exclusion Criteria: Other Disciplines Except Nursing and Emergency Medicine

#### **Age**

From **25 years** old to **45 years** old

#### **Gender**

Both

#### **Phase**

N/A

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

*No information*

#### **Sample size**

Target sample size:

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

Not 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**

Tehran University of Medical Sciences

##### **Street address**

No. 57, Hojatdust Street, Keshavarz Boulevard, Tehran, Iran, Tehran University of Medical Sciences

##### **City**

Tehran

##### **Postal code**

#### **Approval date**

2015-02-02, 1393/11/13

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

9121486005

## **Health conditions studied**

### 1

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

The effectiveness of an Interprofessional Education Model (IPE) based on trans-theoretical theory (TTM) on the interprofessional behavioral change and readiness to change at emergency ward

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

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

## **Primary outcomes**

### 1

#### **Description**

Interprofessional Collaboration Performance

#### **Timepoint**

The assessments will performed at 6 and 3 months before and 3 and 6 months after the intervention

#### **Method of measurement**

Questionnaire

### 2

#### **Description**

Readiness to Change

#### **Timepoint**

The assessments will performed at 6 and 3 months before and 3 and 6 months after the intervention

#### **Method of measurement**

Questionnaire

## **Secondary outcomes**

empty

## **Intervention groups**

### 1

#### **Description**

The educational intervention based on IPE model was designed based on the TTM theory. The participants will classify based on their stage of readiness to change. The interventions were two-day workshops for each stage. The educational will developed based on the core competencies of interprofessional collaboration that included teamwork, interprofessional collaboration, challenge management, role and responsibility of the team members, and interprofessional communication skills competencies by interactive teaching methods.

#### **Category**

Other

### 2

#### **Description**

Intervention will not conduct in control group.

#### **Category**

Other

## **Recruitment centers**

### 1

#### **Recruitment center**

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

Iran University of Medical Sciences

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

Dr Mandan Shirazi

**Street address**

No. 57, Hojatdust Street, Keshavarz Boulevard,  
Tehran, Iran, Tehran University of Medical Sciences

**City**

Tehran

## Sponsors / Funding sources

### 1

**Sponsor**

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Dr Mandana Shirazi

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No. 57, Hojatdust Street, Keshavarz Boulevard,  
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**City**

Tehran

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Tehran 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**

Tehran University of Medical Sciences

**Full name of responsible person**

Fatemeh Keshmiri

**Position**

Phd candidate

**Other areas of specialty/work**

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## Person responsible for scientific inquiries

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## Person responsible for updating data

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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*