

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Comparing the effect of awareness of subtle control and education on the frequency rate of hand hygiene compliance in nurses of I.C.U

Protocol summary

Summary

The purpose of this research is Comparing the effect of awareness of subtle control and education on the frequency rate of hand hygiene compliance in nurses of I.C.U of the selected hospital affiliated to Shiraz University of Medical Sciences. this research is a single blind and Quasi-experimental intervention. The population of this study is 48 employed nurses of I.C.U ward of Shahid Rajaee Hospital located in Shiraz City (24 people are included in Intervention Group and 24 people are included in control group). Sampling is carried out as Census Sampling. The samples are randomly divided to the intervention group and control group . The inclusion criterion is nurses who are working during the study and being satisfied to participate in this study and the exclusion criterion is the absence of participants in any stage of study. The form of hand hygiene observance suggested by World Health Organization is used in order to data collection before and after the intervention. This study is conducted in three stages : First Stage is the extent of the hand hygiene observance in control and intervention groups for 2 weeks ,while the personnel are not aware of subtle control, second stage is the education of control and intervention groups for 1 week, which includes face to face training, distribution of pamphlet,Installation posters in public places . Training topics are about nosocomical infections, the role of hand hygiene on the nosocomical infections, frequency and procedure and opportunities of hand hygiene compliance. and third stage is the hand hygiene compliance observance of nurses in intervention group who are aware of the investigated subtle control and the nurses in control group who are not aware of the investigated subtle control for 1 month and then control and intervention groups will be compared.Simulated CCTV camera will be placed for intervention group. The primary out come measure is hand hygien compliance.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015100624389N1**

Registration date: **2015-11-09, 1394/08/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-11-09, 1394/08/18

Registrant information

Name

Zeinab Farmani

Name of organization / entity

Shiraz University of Medical Sciences .

Country

Iran (Islamic Republic of)

Phone

+98 71 3230 5410

Email address

farmani_z@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for research of Shiraz University of Medical Sciences

Expected recruitment start date

2014-11-22, 1393/09/01

Expected recruitment end date

2015-02-19, 1393/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of awareness of subtle control and education on the frequency rate of hand hygiene compliance in nurses of I.C.U

Public title

The effects of awareness of subtle control and education on the frequency rate of hand hygiene compliance

Purpose

Prevention

Inclusion/Exclusion criteria

The inclusion criterion is nurses who are working during the study and being satisfied to participate in this study and the exclusion criterion is Unwillingness to cooperate and the absence of participants in any stage of study.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 48

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single 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 Shiraz University of Medical Sciences .

Street address

Central Building of Shiraz University of Medical Sciences, Zand Street, Shiraz

City

Shiraz

Postal code

1978-71345

Approval date

2014-07-14, 1393/04/23

Ethics committee reference number

937088

Health conditions studied

1

Description of health condition studied

Hand hygien compliance

ICD-10 code

Y95

ICD-10 code description

Nosocomical condition

Primary outcomes

1

Description

hand hygien compliance

Timepoint

befor and after intervention

Method of measurement

hand hygien observational form

Secondary outcomes

empty

Intervention groups

1

Description

Interventionl group :Training for a week , which includes face to face training, distribution of pamphlet,Installation posters in public places . Training topics are about nosocomical infections, the role of hand hygiene on the nosocomical infections, frequency and procedure and opportunities of hand hygiene compliance. Simulated CCTV camera will be Placed for this group.

Category

Other

2

Description

Control group: Training for a week , which includes face to face training, distribution of pamphlet,Installation posters in places that are at sight. Training topics are about nosocomical infections, the role of hand hygiene on the nosocomical infections, frequency and procedure and opportunities of hand hygiene compliance

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Rajaii Hospital in Shiraz

Full name of responsible person

Zeinab Farmani

Street address

Fatemeh(P.B.U.H)School of Nursing and Midwifery
Shiraz, Namazi Square, Shiraz

City

Shiraz

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

Vice Chancellor for research of Shiraz University of
Medical sciences .

Full name of responsible person

Dr Seyed Basyr Hashemi

Street address

Central Building of Shiraz University of Medical
Sciences, Zand Street, Shiraz

City

Shiraz

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 of 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**

Fatemeh(P.B.U.H)School of Nursing and Midwifery

Full name of responsible person

Marzieh Kargar

Position

Master degree ,Assistant Professor, Faculty member

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Full name of responsible person

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Position

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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