

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jul 2026

Examining the Effect of liaison Nurse Role on the Incidence and Severity Rate of Complication After a Stroke in Hospitalized Patients

Protocol summary

Study aim

Identifying the effect of liaison nurse role on the incidence of complications after a stroke

Design

Patients are selected according to Inclusion and exclusion criteria, and randomly divided into two groups. The questionnaire consisting of two parts. The first part was demographic information and severity of stroke. The second part was a checklist of pneumonia, urinary tract infection (UTI), fall, constipation, pressure sore and severity of it, in two weeks and two months after nursing intervention in two groups.

Settings and conduct

In the intervention group, the nurse evaluates the patient on the first day of admission, identifies the needs, and provides a care program according to the priorities of each patient. The patient is visited at home by the nurse if necessary. Patients in both groups are evaluated for two weeks and two months.

Participants/Inclusion and exclusion criteria

Patients admitted for diagnosis of stroke to neurology and ICU department Inclusive criteria: 16-25 based on stroke criteria; age 45-85 Exclusive criteria: pressure sore and constipation and immobility before the stroke

Intervention groups

Care and education in the intervention group with emphasis on preventing side effects of disease. based on the nursing guidelines. Patients in control group receive routine nursing cares.

Main outcome variables

The incidence of pneumonia, UTI, fall, constipation, pressure sore, and severity of it, in two weeks and two months after nursing intervention in two groups.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170605034330N3**

Registration date: **2018-04-04, 1397/01/15**

Registration timing: **retrospective**

Last update: **2018-04-04, 1397/01/15**

Update count: **0**

Registration date

2018-04-04, 1397/01/15

Registrant information

Name

Sedighe Ebrahimi

Name of organization / entity

Shahid Sadoughi University of Medical Sciences, Yazd, Iran

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Research Deputy of Shahid Sadoughi University of Medical Sciences, Yazd, Iran

Expected recruitment start date

2017-06-22, 1396/04/01

Expected recruitment end date

2017-12-21, 1396/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Examining the Effect of liaison Nurse Role on the

Incidence and Severity Rate of Complication After a Stroke in Hospitalized Patients

Public title

Examining the Effect of liaison Nurse Role on the Incidence and Severity Rate of Complication After a stroke in Hospitalized Patients

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Having a score 16-25 based on the criteria for a stroke (NIHSS) age 45-85

Exclusion criteria:

Having bed sore before stroke Having constipation before stroke Having immobility before stroke

Age

From **45 years** old to **85 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

Randomization description

Simple Random Allocation With Using Random Numbers Table

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Does Not Have

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shahid Sadoughi University of Medical Sciences, Yazd

Street address

The central building of Shahid Sadoughi University of Medical Sciences; Bamonar Sq.

City

Yazd

Province

Yazd

Postal code

8916978477

Approval date

2017-05-23, 1396/03/02

Ethics committee reference number

IR.SSU.REC.1396.43.

Health conditions studied

1

Description of health condition studied

Stroke

ICD-10 code

I63.0

ICD-10 code description

Cerebral infarction due to thrombosis of precerebral arteries

Primary outcomes

1

Description

Incidence of Pneumonia

Timepoint

2 weeks, 2 months after intervention

Method of measurement

Diagnosis of doctor (Acceptable of WHO); condition of patient, chest x-ray, sputum culture

2

Description

Incidence of urinary tract infection

Timepoint

2 weeks, 2 months post of intervention of liaison nurse

Method of measurement

Diagnosis of doctor (acceptable of WHO); condition of patient, fever, urine culture, leukocytes

3

Description

Incidence of bed sore

Timepoint

2 weeks and 2 months post of intervention by liaison nurse

Method of measurement

physical exam of skin by liaison nurse and diagnosis by NUPAP

4

Description

Incidence of falling down

Timepoint

2 weeks and 2 months post of intervention of liaison nurse

Method of measurement

Self report by patient and family

5

Description

Incidence of constipation
Timepoint
2 weeks and 2 months post of intervention of liaison nurse
Method of measurement
Scale rome3

6

Description
Severity of bed sore
Timepoint
2 weeks and 2 months post of intervention by liaison nurse
Method of measurement
Severity by scale of poosh tool

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Patients are assessed on the first day of hospitalization by the nurse and prioritized on the basis of the probability of complications of pneumonia, urinary tract infection, pressure sore, fall, and constipation. Care planning is done by the nurse. Training to the patient's family on the patient's bedside is done within 2 days of admission (the first day of oral education and the second day in practical form). The patient or family of the patient is given a telephone number to communicate with the liaison nurse to resolve potential problems by coordinating the nurse.
Category
Prevention

2

Description
Control group: Patient in the control group receives routine nursing cares.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Ali Asghar Hospital of Shiraz
Full name of responsible person
Sedighe Ebrahimi
Street address
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shahid Sadoughi University of Medical Sciences, Yazd
Full name of responsible person
Dr. Amirhooshang Mehrparvar
Street address
Central building of Shahid Sadoughi University of Medical Sciences, Bamonar Square
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8916877443
Phone
+98 35 3724 0171
Email
ah.mehrparvar@yahoo.com
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shahid Sadoughi University of Medical Sciences, Yazd
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact
Name of organization / entity
Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
Full name of responsible person
Zohreh Kalani
Position
Member of Scientific Board, Shahid Sadoughi College of Nursing and Midwifery
Latest degree
Master

Other areas of specialty/work

Medical Education

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Position

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Other areas of specialty/work

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ebrahimi.mi222@gmail.com

Web page address**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

This is a research study conducted within the framework
of the dissertation.

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable