

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Aug 2026

Comparing the efficacy of two educational methods "concept mapping" and "webquest" based educational program on learning of diabetes disease lesson on second year nursing students at hazrat fatemeh school of nursing and midwifery, shiraz 1391 - 92

Protocol summary

2013-08-30, 1392/06/08

Summary

1) Objectives: This study aimed to comparison of the effects of concept mapping and webquest on nursing students' learning in the course of diabetes was conducted. 2) Design: In this quasi-experimental study, 72 nursing students were randomly divided into two concept maps (n=38) and webquest (n=34) groups. 3) Setting and conduct: After the pre-test, both groups are trained. Educational content includes the definition, diagnosis, complications and treatment of diabetes and patient education that be offered in the 4 sessions of concept mapping and webquest methods for each of the groups. 2 weeks after the intervention, post-test will be performed 4) Participants; Inclusion criteria: obtain medical surgical 3 module; lack of receiving previous training in the field of diabetes; taking IT module. Exclusion criteria: not participate in the pre-test; absences in a class session of concept mapping; lack of timely delivery assignments of webquest. 5) Intervention: WebQuest & Cocept mapping methods 6) Main outcome measures (variables): Before and two weeks after the intervention, nursing students' learning, is measured by an achievement test.

Registrant information

Name

Seyed Saeed Najafi

Name of organization / entity

Shiraz University of Medical Sciences

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Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Deputy for research of Shiraz University of Medical Sciences

Expected recruitment start date

2012-12-21, 1391/10/01

Expected recruitment end date

2013-06-10, 1392/03/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the efficacy of two educational methods "concept mapping" and "webquest" based educational program on learning of diabetes disease lesson on second year nursing students at hazrat fatemeh school of nursing and midwifery, shiraz 1391 - 92

Public title

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201305148505N4**

Registration date: **2013-08-30, 1392/06/08**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

Comparing the efficacy of two educational methods "concept mapping" and "WebQuest" on nursing students' learning of diabetes disease lesson

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: obtain medical surgical 3 module; lack of receiving previous training in the field of diabetes; taking IT module. Exclusion criteria: not participate in the pre-test; absences in a class session of concept mapping; lack of timely delivery assignments of web quest.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 72

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 University of Medical Sciences Ethics Committee

Street address

7th floor, Central Building of Shiraz University of Medical Sciences, Zand Street, Shiraz, Fars Province, Iran, 1978 -71345

City

Shiraz

Postal code

1978 -71345

Approval date

2013-03-04, 1391/12/14

Ethics committee reference number

CT-91-6455

Health conditions studied

1

Description of health condition studied

Diabetes mellitus

ICD-10 code

E10, E11,

ICD-10 code description

Diabetes mellitus

Primary outcomes

1

Description

Amount of nursing students' learning

Timepoint

Before and two weeks after the intervention

Method of measurement

Achievement test

Secondary outcomes

1

Description

Meaningful learning

Timepoint

Before and two weeks after the intervention

Method of measurement

Achievement test

Intervention groups

1

Description

Group concept mapping: diabetes lesson in 4 sessions are offered to students to enable them to provide a concept map of the content. At the end of each session, with the necessary feedbacks, maps are corrected.

Category

Other

2

Description

Group webquest: diabetes lesson in 4 sessions(each class session 5 steps by webquest method) designed and are offered to students. Students enter their password to get into any of the sessions. They carry out the required activities and at the end, providing their task.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Hazrat-e-Fatemeh nursing and midwifery college

Full name of responsible person

Sayed Saeed Najafi

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Shiraz University of
Medical Sciences

Full name of responsible person

Dr. Gholamreza Hatam

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7th floor, Central Building of Shiraz University of
Medical Sciences, Zand Street, Shiraz.

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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, 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 Science

Full name of responsible person

Marziye Asadi Lari

Position

Master of nursing

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