Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Study of efficacy of podcasting on learning and satisfaction in dental students

Protocol summary

Summary

Introduction: The purpose of this study was to evaluate the effectiveness and satisfaction from podcasting in pedodontics education, find the problems and assess the impact of these practices on the scores of pedodontics in dental students of Rafsanjan in 2014. Materials and Methods: Inclusion criteria are Dental students in Rafsanjan University of Medical Sciences that have Pedodontics course in 2014. This study was a randomized clinical trial which considered all 39 students in Rafsanjan University of Medical Sciences. First session of pedodontics lesson was conducted for the students (n=39). The students were then divided randomly into two groups. At the second session, Group 1 students(n=19) had a study session followed by an exam. This was followed by a podcast about first session lesson. Group 2 students(n=20) had a study session along with an opportunity to listen to a podcast, followed by the exam. At the third session, this method repeated; after the final exam, satisfaction of this method as well as its problems was evaluated by a questionnaire. Podcasting effectiveness was assessed by comparing the scores of pedodontics exams across the two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014062815842N2**
Registration date: **2014-08-07, 1393/05/16**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-08-07, 1393/05/16

Registrant information

Name

Somayeh Khoramian Tusi

Name of organization / entity

Alborz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 26 3353 1614

Email address

dr.khoramian@rums.ac.ir

Recruitment status

Recruitment complete

Funding source

Rafsanjan University of Medical Sciences

Expected recruitment start date

2014-04-21, 1393/02/01

Expected recruitment end date

2014-06-21, 1393/03/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study of efficacy of podcasting on learning and satisfaction in dental students

Public title

Study of efficacy of an education method on learning and satisfaction in dental students

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Dental students in Rafsanjan University of Medical Sciences that have Pedodontics course in 2014

Age

From **20 years** old to **27 years** old

Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **39**
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
Rafsanjan University of Medical Sciences
Street address
Rafsanjan University of Medical Sciences, Imam Ali street, Rafsanjan, Kerman
City
Rafsanjan
Postal code
7717931136
Approval date
2014-04-21, 1393/02/01
Ethics committee reference number
354/91/د

Health conditions studied

1

Description of health condition studied
Podcast
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
learning of students
Timepoint
Immediately after the first podcast/Immediately after the second podcast
Method of measurement
score of exam

2

Description
satisfaction of students
Timepoint
at the end of third session
Method of measurement
quesionaire

Secondary outcomes

empty

Intervention groups

1

Description
Control group: Reading before exam two times for10 minutes and Observation of podcast after exam two times for10 minutes
Category
Other

2

Description
Case group: teaching with podcast before exam two times for10 minutes
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Rafsanjan Dental School
Full name of responsible person
Somayeh Khoramian Tusi
Street address
Rafsanjan Dental School, Mofateh street, Rafsanjan, Kerman
City
Rafsanjan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Rafsanjan University of Medical Sciences
Full name of responsible person
Hamid Hakimi
Street address
Rafsanjan University of Medical Sciences, Imam Ali street, Rafsanjan, Kerman

City
Rafsanjan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Rafsanjan 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
Rafsanjan University of Medical Sciences
Full name of responsible person
Somayeh Khoramian Tusi
Position
Dean/ Pediatric dentist
Other areas of specialty/work
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Person responsible for updating data

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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