

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of the effect of 2 kind of virtual educational intervention on knowledge-attitude and practice of dental prosthodontists about the role of intra-oral appliances in management of obstructive sleep apnea

Protocol summary

Study aim

Compare the impact of 2 kind of virtual educational intervention on knowledge-attitude and practice of dental prosthodontists about the role of intra-oral appliances in management of obstructive sleep apnea

Design

Educational content is produced according to the ADDIE model. This model includes the stages of Analysis, Design, Development, Implementation and Evaluation. In the analysis phase, information about the audience, learning needs, budget, existing constraints, etc. are collected.

Settings and conduct

The educational intervention of each group is sent individually to each specialist. To prevent the group from having no voice training access to the audio training content, participants are unaware of the presence of other professionals and are asked not to publish the training link.

Participants/Inclusion and exclusion criteria

Inclusion criteria include: - Membership in the virtual social network of the Association of Prosthodontists - Conscious consent to participate in this study
Exclusion criteria include: - Participate in training courses related to sleep apnea

Intervention groups

Group A) The educational intervention is sent in the form of PowerPoint through a virtual network. Reminder messages are sent on a scheduled basis. Then, after six weeks, an awareness-attitude and performance assessment questionnaire will be sent. Group b) The educational intervention is sent as a podcast through a virtual network. Reminder messages are sent on a scheduled basis. Then, after six weeks, an awareness-attitude and performance assessment questionnaire will be sent.

Main outcome variables

Educational intervention (including two teaching methods with PowerPoint and podcast)

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200714048102N1**

Registration date: **2020-08-11, 1399/05/21**

Registration timing: **registered_while_recruiting**

Last update: **2020-08-11, 1399/05/21**

Update count: **0**

Registration date

2020-08-11, 1399/05/21

Registrant information

Name

Amirhossein Vakili Razlighi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 7770 1739

Email address

amir.vakili1375@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-07-31, 1399/05/10

Expected recruitment end date

2020-09-14, 1399/06/24

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
Evaluation of the effect of 2 kind of virtual educational intervention on knowledge-attitude and practice of dental prosthodontists about the role of intra-oral appliances in management of obstructive sleep apnea

Public title
Evaluation of the effect of 2 kind of virtual educational intervention on knowledge-attitude and practice of dental prosthodontists about the role of intra-oral appliances in management of obstructive sleep apnea

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
 Membership in the virtual social network of the Association of Prosthodontists
 Conscious consent to participate in this study
Exclusion criteria:
 Participated in training courses related to sleep apnea

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked

- Participant
- Care provider
- Investigator
- Outcome assessor
- Data analyser

Sample size
Target sample size: **78**

Randomization (investigator's opinion)
Randomized

Randomization description
The method of random assignment of participants in this study is simple randomization. In this way, we list the people who are ready and satisfied to participate in the study and assign a random number to each of them. By sorting people by this random number, we will be able to assign the first half of the list to one group and the remaining half to another group.

Blinding (investigator's opinion)
Double blinded

Blinding description
A third party randomizes the list of people volunteering for the company and collects the answers. The names of the groups are also provided to the analyzer in the form of codes A and B.

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research Ethics Committee, School of Dentistry, Tehran University of Medical Sciences

Street address

13th floor, Block A, Treatment and Medical Education, Iran TV Street, Central Headquarters of the Ministry of Health, Between South Flamek and Zarafshan, Ghods Town (West)

City

Tehran

Province

Tehran

Postal code

1439955991

Approval date

2020-06-27, 1399/04/07

Ethics committee reference number

IR.TUMS.DENTISTRY.REC.1399.034

Health conditions studied

1

Description of health condition studied

knowledge-attitude and practice of dental prosthodontists about the role of intra-oral appliances in management of obstructive sleep apnea

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Awareness and attitude of the individual regarding respiratory apnea according to the questionnaire - Individual performance in relation to respiratory apnea according to the questionnaire

Timepoint

6 weeks

Method of measurement

Knowledge-Attitude and Practice Questionnaire

Secondary outcomes

1

Description

Work experience in a sleep clinic

Timepoint

6 weeks

Method of measurement

Questionnaire

2

Description

Participated in sleep disorders training courses

Timepoint

6 weeks

Method of measurement

Questionnaire

3

Description

Faculty membership

Timepoint

6 weeks

Method of measurement

Questionnaire

4

Description

Workplace

Timepoint

6 weeks

Method of measurement

Private office, University clinics and Non-university clinics

Intervention groups

1

Description

Intervention group: The educational intervention is sent in PowerPoint format through a virtual network. Reminder messages are sent on a scheduled basis. Then, after six weeks, an awareness-attitude and performance assessment questionnaire will be sent.

Category

Diagnosis

2

Description

Intervention group: The educational intervention is sent in Podcast format through a virtual network. Reminder messages are sent on a scheduled basis. Then, after six weeks, an awareness-attitude and performance assessment questionnaire will be sent.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

School of Dentistry, Tehran University of Medical Sciences

Full name of responsible person

Amirhossein Vakili Razlighi

Street address

No 11, Etaati Ave., Seraj Blvd., Ghanat kousar

City

Tehran

Province

Tehran

Postal code

1689833883

Phone

+98 21 7770 1739

Email

amir.vakili1375@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Somaye Niakan

Street address

School of Dentistry, Next to the Atomic Energy Organization, North Kargar Street

City

Tehran

Province

Tehran

Postal code

1439955991

Phone

+98 21 4279 4500

Email

dentistry@tums.ac.ir

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

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

Tehran University of Medical Sciences

Full name of responsible person

Amirhossein Vakili Razlighi

Position
student
Latest degree
Medical doctor
Other areas of specialty/work
Dentistry
Street address
No 11, Etaati Ave., Seraj Blvd., Ghanat kousar
City
Tehran
Province
Tehran
Postal code
1689833883
Phone
+98 21 7770 1739
Email
amir.vakili1375@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Somaye Niakan
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Dentistry
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No 11, Etaati Ave., Seraj Blvd., Ghanat Kousar
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Email
drsomayehniakan@yahoo.com

Person responsible for updating data

Contact

Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Somaye Niakan
Position
Assistant Professors
Latest degree
Specialist
Other areas of specialty/work
Dentistry
Street address

No 11, Etaati Ave., Seraj Blvd., Ghanat Kousar
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Postal code
1689833883
Phone
+98 21 7770 1739
Email
drsomayehniakan@yahoo.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

Area 1 - Dentist dentist knowledge of Signs and symptoms Area 2 - Dentist knowledge of diagnostic, anatomical and paraclinical parameters Area 3 - Dentist is aware of the points before prescribing applause Area 4 - Dentist knowledge of treatment indications Area 5 - Dentist awareness of contraindications to uplinings Area 6 - Dentist awareness of complications of non-treatment Scope 7- Performance of a prosthetic dentist in the field of risk reduction recommendations Area 8 - The performance of the prosthetic dentist in the field of diagnosis and treatment

When the data will become available and for how long

Access period starts 6 months after the results are published

To whom data/document is available

The data will be available only to researchers working in academic and scientific institutions

Under which criteria data/document could be used

Theme development Being employed in academic and scientific institutions

From where data/document is obtainable

E-mail address with the name and address of the respondents

What processes are involved for a request to access data/document

Submit request via email and Sending a certificate indicating employment in academic and scientific institutions and mention the reason for the request

Comments