ISRCTN48708543 https://doi.org/10.1186/ISRCTN48708543

Can a health intervention improve knowledge of oral cancer in dentists and dental students?

Submission date
05/04/2022

Recruitment status
No longer recruiting

Registration date
25/05/2022

Overall study status
Completed

Last Edited
18/06/2025

Condition category
Oral Health

[X] Prospectively registered
[X] Protocol
[_] Statistical analysis plan
[X] Results
[_] Individual participant data

Plain English summary of protocol

Background and study aims
Oral cancer is a rapidly evolving and aggressive disease, to which various population groups are exposed, being the sixth most common cause of cancer-related death worldwide.
Oral cancer is associated with multiple factors. Some of them are largely modifiable. They are habits and lifestyles that can become self-managed. Knowing different aspects of oral cancer could improve the attitudes and practices of health professionals, which can lead to early diagnosis.
The purpose of this study is to determine the efficacy of an educational intervention in the knowledge, attitudes and practice of dentists and dental students about oral cancer.

Who can participate?
Dentists that teach at dental schools in Colombia and dental students.

What does the study involve?
Participants will be randomly allocated to receive an educational intervention website or leaflet, or no intervention. Knowledge, attitudes and practice are assessed before the intervention and 2 months after.

What are the possible benefits and risks of participating?
None

Where is the study run form?
Universidad Santo Tomás campus Floridablanca (Colombia)

When is the study starting and how long is it expected to run for?
August 2021 to August 2023

Who is funding the study?
Colgate-Palmolive (USA)
Asociación Colombiana de Facultades de Odontología, ACFO (Colombia)

Who is the main contact?
Gloria Aranzazu, gloria.aranzazu@ustabuca.edu.co

Contact information

Type(s)
Principal investigator

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Additional identifiers

Protocol serial number
Colgate-ACFO 2021

Study information

Scientific Title
Efficacy of a health intervention in oral cancer aimed at dentists and dental students

Acronym
ORCAKNOW

Study objectives
The intervention groups will have better knowledge, attitude and practice scores (KAP) than the control group

Ethics approval required
Old ethics approval format

Ethics approval(s)
Approved 25/08/2021, Santo Tomás University Bucaramanga-Colombia Research Ethics Committee (Cra 18 nº 9-27 Bucaramanga-Colombia; no telephone number provided; comite.etica@ustabuca.edu.co), ref: Código 0161-2021

Primary study design
Interventional

Study design
Multicenter interventional randomized controlled trial

Study type(s)
Other, Efficacy

Health condition(s) or problem(s) studied
Oral cancer knowledge, attitude and practice in dentists and dental students.

Interventions
Group 0. No intervention
Group 1. Intervention website
Group 2. Intervention leaflet

Participants will be randomized in to the groups by aleatory number list, 66 participant by each of 10 centers (dental school or hospital)
33 dentist and 33 clinical students (11dentist and student will be include in each group).

Time between initial KAP evaluation and final, will be 2 months.

Intervention Type
Other

Primary outcome(s)
1. Knowledge measured using questionnaire score before and 2 months after the intervention.
2. Attitude measured using questionnaire score before and 2 months after the intervention
3. Practice measured using questionnaire score before and 2 months after the intervention

Key secondary outcome(s)
Demographic information measured by questionnaire at initial recruitment:
1. Age (years)
2. Gender
3. Occupation (dentist or student)
4. Degree (student, general dentist or specialist)
5. City
6. University
7. Years of dental practice

Completion date
01/08/2023

Eligibility

Key inclusion criteria
1. Dentist who teaches at a dental school in Colombia
2. Dental student in clinical practice (semester 6-10) in Colombia

Participant type(s)
Health professional

Healthy volunteers allowed
No

Age group
All

Sex
All

Total final enrolment
598

Key exclusion criteria
Dentist with oral medicine or oral pathology practice

Date of first enrolment
01/06/2022

Date of final enrolment
30/08/2023

Locations

Countries of recruitment
Colombia

Study participating centre
Univesidad Santo Tomás Bucaramanga Colombia
Cra. 27 Nº 180 - 395 Autopista Floridablanca
Floridablanca
Colombia
681003

Study participating centre
Universidad Autonoma de Manizales- facultad de odontología
Antigua estación de ferrocarril
Manizales
Colombia
170001

Study participating centre

Universidad de Antioquia- facultad de odontología
Calle 64 nº 52-59 Medellín
Medellín
Colombia
050010

Study participating centre
Universidad EL Bosque - facultad de odontología
Av Cra 9 nº 131A-02
Bogotá
Colombia
110121

Study participating centre
Pontificia Universidad Javeriana
Cra 7 nº 40-62
Bogotá
Colombia
110231

Study participating centre
Universidad de Cartagena
Cra 6 Cl de la universidad nº 36-100
Cartagena de Indias-Bolivar
Colombia
130001

Study participating centre
Universidad del Norte de Barranquilla
Km 5 via antigua puerto Colombia.Bloque D piso 2. Barranquilla
Barranquilla
Colombia
00000

Study participating centre
Sub-red integrada servicios de salud Norte E.S.E
Calle 6 nº 119 B-14
Bogotá
Colombia
110111

Study participating centre
Universidad del Magdalena
Calle 32 nº 22-08
Santa Marta
Colombia
470004

Study participating centre
Universidad del Valle
Calle 4B 36-00 sede San Fernando
Cali
Colombia
760043

Study participating centre
Institución Universitaria Visión de las Américas
Calle 34 A 76-35 laureles
Medellín
Colombia
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Study participating centre
Universidad Nacional de Colombia
Carrera 45 N° 26-85
Bogotá D.C.
Colombia
11001

Sponsor information

Organisation
Universidad Santo Tomás

ROR
https://ror.org/02vbtzd72

Funder(s)

Funder type
Industry

Funder Name
Colgate-Palmolive Company

Alternative Name(s)
Colgate-Palmolive Company, Colgate, Colgate Palmolive

Funding Body Type
Government organisation

Funding Body Subtype
For-profit companies (industry)

Location
United States of America

Results and Publications

Individual participant data (IPD) sharing plan
Individual data can be available on request from gloria.aranzazu@ustabuca.edu.co

IPD sharing plan summary
Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article		18/06/2025	18/06/2025	Yes	No
Participant information sheet			13/04/2022	No	Yes
Protocol file			13/04/2022	No	No