

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

Submission date 05/04/2022	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 25/05/2022	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 18/06/2025	Condition category Oral Health	<input type="checkbox"/> 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

Contact name

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Additional identifiers

Clinical Trials Information System (CTIS)

Nil known

ClinicalTrials.gov (NCT)

Nil known

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 n° 9-27 Bucaramanga-Colombia; no telephone number provided; comite. etica@ustabuca.edu.co), ref: Código 0161-2021

Study design

Multicenter interventional randomized controlled trial

Primary study design

Interventional

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 (11 dentist 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 N° 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 n° 52-59 Medellín
Medellín
Colombia
050010

Study participating centre
Universidad EL Bosque - facultad de odontología
Av Cra 9 n° 131A-02
Bogotá
Colombia
110121

Study participating centre
Pontificia Universidad Javeriana
Cra 7 n° 40-62
Bogotá
Colombia
110231

Study participating centre
Universidad de Cartagena
Cra 6 Cl de la universidad n° 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 n° 119 B-14

Bogotá

Colombia

110111

Study participating centre**Universidad del Magdalena**

Calle 32 n° 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

50031

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