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

Submission date	Recruitment status No longer recruiting	[X] Prospectively registered			
05/04/2022		[X] Protocol			
Registration date	Overall study status Completed	Statistical analysis plan			
25/05/2022		[X] Results			
<b>Last Edited</b> 18/06/2025	<b>Condition category</b> Oral Health	[] 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

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?

diagnosis.

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)

# **Contact information**

## Type(s)

Principal investigator

#### Contact name

Mrs Gloria Cristina Aranzazu Moya

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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 nº 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 (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 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 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 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
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes
Protocol file			13/04/2022	No	No