

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

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

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

Mrs Gloria Cristina Aranzazu Moya

### ORCID ID

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### Contact details

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## Additional identifiers

### EudraCT/CTIS number

Nil known

### IRAS number

### ClinicalTrials.gov number

Nil known

### Secondary identifying numbers

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

**Secondary study design**

Randomised controlled trial

**Study setting(s)**

Internet/virtual, University/medical school/dental school

**Study type(s)**

Other, Efficacy

**Participant information sheet**

See additional files

**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 measure**

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

**Secondary outcome measures**

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

**Overall study start date**

25/08/2021

**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

**Age group**

All

**Sex**

Both

**Target number of participants**

10 clusters and 66 participants in each cluster

**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

### **Sponsor details**

Cra. 18 No. 9 - 27  
Bucaramanga  
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681003  
+57 607-6985858  
investigacion@ustabuca.edu.co

### **Sponsor type**

University/education

### **Website**

<http://www.ustabuca.edu.co>

### **ROR**

<https://ror.org/02vbtzd72>

## **Funder(s)**

### **Funder type**

Industry

### **Funder Name**

Colgate-Palmolive Company

### **Alternative Name(s)**

### **Funding Body Type**

Government organisation

### **Funding Body Subtype**

For-profit companies (industry)

**Location**

United States of America

## Results and Publications

**Publication and dissemination plan**

Planned publication in a high-impact peer-reviewed journal

**Intention to publish date**

30/01/2025

**Individual participant data (IPD) sharing plan**

Individual data can be available on request from [gloria.aranzazu@ustabuca.edu.co](mailto: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?
<a href="#">Participant information sheet</a>			13/04/2022	No	Yes
<a href="#">Protocol file</a>			13/04/2022	No	No
<a href="#">Results article</a>		18/06/2025	18/06/2025	Yes	No