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**THESIS REPORT:**

TEACHING ENGLISH FOR THE SPECIFIC PURPOSE OF  
DENTISTRY IN ECUADOR

**REPORTE DE TESIS:**

LA ENSEÑANZA DEL INGLÉS CON EL PROPÓSITO  
ESPECÍFICO DE ODONTOLOGÍA EN ECUADOR

**PRIOR TO THE ACADEMIC DEGREE IN:**

PEDAGOGY OF THE ENGLISH LANGUAGE

**PEDAGOGY OF NATIONAL AND FOREIGN  
LANGUAGES**

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And recommend that it be accepted as fulfilling the dissertation requirement for the Degree of Pedagogy of National and Foreign Languages.

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Final approval and acceptance of this dissertation is contingent upon the candidate's submission of the final copies of the dissertation to the Graduate College. I hereby certify that I have read this dissertation prepared under my direction and recommend that it be accepted as fulfilling the dissertation requirement.

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Thesis Director

## **STATEMENT BY THE AUTHOR**

I, TAHIRI ANDREINA QUIÑONEZ ALMEIDA, affirm that the investigation in the present thesis report is totally unique, authentic, and personal.

The content of this research is a limited legal and academic responsibility of the author and PUCE Esmeraldas.

Tahiri Andreina Quiñonez Almeida

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## **DEDICATION / ACKNOWLEDGMENTS**

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## **ABSTRACT**

To analyze the English Language teaching-learning process for the specific purpose of Dentistry in Ecuador, a descriptive qualitative-quantitative investigation was done in the year 2022, with a sample of 62 Odontology students and Odontologists from many cities in Ecuador: Guayaquil, Esmeraldas, Riobamba, Cuenca, Manta. The methods of analysis and synthesis, hermeneutics, were used with the technique of survey. The results revealed the vocabulary that Odontology students and Odontologists need to learn about diseases, dental procedures, medicines, dental instruments, and materials. Also, the results revealed about communicative functions that they need to learn, and about different activities for which odontologists need to learn English for specific purposes. With the data obtained, a booklet was designed with some activities to enrich the teaching- learning process of English for Odontologists in Ecuador.

**Key words:** English for Specific Purposes, Dentistry, English Language, Teaching-Learning process.

## RESUMEN

Para analizar el proceso de enseñanza-aprendizaje del idioma inglés para el propósito específico de la Odontología en el Ecuador, se realizó un estudio descriptivo cualitativo-cuantitativo, en el año 2022, con una muestra de 62 estudiantes de odontología y odontólogos de varias ciudades del Ecuador: Guayaquil, Esmeraldas, Riobamba, Cuenca, Manta. Se utilizaron los métodos de análisis y síntesis, la hermenéutica, con la técnica de la encuesta. Los resultados revelaron el vocabulario que los odontólogos y estudiantes de odontología necesitan aprender sobre enfermedades, procedimientos dentales, medicamentos, instrumentos dentales y materiales. También los resultados revelados sobre las funciones comunicativas que necesitan aprender, así como las diferentes actividades para las que los odontólogos necesitan aprender inglés con Propósitos Específicos. Con los datos obtenidos se diseñó una cartilla con algunas actividades para enriquecer el proceso de enseñanza-aprendizaje del inglés para Odontólogos en el Ecuador.

**Palabras clave:** Inglés para Fines Específicos, Odontología, Lengua Inglesa, Proceso de Enseñanza Aprendizaje.

# **INTRODUCTION**

## **Theme Presentation**

The English language has become one of the most important languages that play an inescapable role in education around the world. People need to learn the English language for different types of purposes such as meeting new people, for work, study, etc.

Moreover, it is better to emphasize the language in the field of medical careers, the students need to develop competitive linguistic skills to be able to develop adequately orally and written skills, meet their expectations at international.

The need to learn the English language has been taken as an emerging measure for professionals to take English courses for specific purposes around the world, which is considered integral to teaching period. So, it is essential to adopt different types of materials for students with a specific purpose and needs.

Dentistry is one of the medical careers with many challenges, in which students have knowledge about the stomatognathic system, facial bones, neck, nerves, teeth, the dentist must know how to express diseases and among other terminology period his work at dentist goes beyond a dental chair, educating the patient is so essential at the time of performing the dental treatment, so it is good to emphasize what prevention protocol patients should have at the time of performing a dental procedure and diseases. There are different specialties in dentistry such as oral pathology, maxillofacial surgery, endodontics, periodontics, pediatric dentistry, implantology, prosthodontics, and orthodontics.

It is important to highlight that this research has the purpose of motivating dentistry students to learn the English language for specific purposes and above all to know that it is necessary and essential to know concepts and communicative functions about dentistry in English.

## **Problem Statement**

English for specific purposes is necessary to learn to help students who need to graduate, to participate in a scientific journal, to translate when a foreign patient arrives, etc.

Today there has been a lack of motivation on the part of some students because they do not have the basis to enter an English course, and even less if it is a course with specific purposes. Odontologists and Odontology students maybe learning vocabulary and communicative functions in the day-to-day practice such as, learning about instruments, medicines, diseases, among others.

On the other hand, universities are increasing the use of English for specific purposes, since at the time of postgraduate studies, scientific research, translations, it is necessary for students to learn specific English to increase their vocabulary.

In Ecuador, there is not much information about the English language teaching-learning process for the specific purpose of Dentistry, for this reason, the following question emerges.

What is the situation of the English language teaching-learning process for the specific purpose of Dentistry in Ecuador, in the year 2022?

## **Justification**

This research is important because dentists need to know about the importance of English for specific purposes, therefore, it is essential that there is a guide for all specialties in dentistry. Also, it is important to emphasize the benefits of learning a new language and even more so if it is for professionals who need to reinforce the skills in which they have the most problems.

This research is necessary so that Odontologists and Odontology students who have some type of need in the communicative skills can develop a transcendental one through practice using formal language and specific vocabulary to understand their profession. As you know, many students have problems when learning a new language and more so if it is English for specific purposes, that is why it is vitally important to learn dentistry using a formal and optimal language.

## **Objectives**

### **General Objective**

To analyze the English Language teaching-learning process for the specific purpose of Dentistry in Ecuador, 2022

### **Specific Objectives**

1. To determine the vocabulary that odontologists and students of Odontology need to learn.
2. To identify the communicative functions that odontologists and students of Odontology need to learn.
3. To define the activities for which odontologists and students of Odontology need to learn.
4. To plan some exercises to teach English for the specific purpose of Dentistry to odontologists and students of Odontology in Ecuador.

# **CHAPTER I**

## **THEORETICAL FRAMEWORK**

### **1.1. Scientific theoretical foundation**

#### **1.1.1. English for a specific purpose**

According to Hutchinson and Waters (1987), English for Specific Purposes (ESP) today has helped many careers in medicine to improve vocabulary and among other more important in teaching the English language, period. ESP has methods and strategies that aim at student learning, Odontology students need to study a course for specific purposes for dentists. The courses taught for ESP are aimed at students who have different needs or interests in learning the English language.

According to Choudhary (2013), English for a specific purpose is used to divide the English language into two parts, for the academic purpose, medicine, law, social communication, engineering, etc, and for employment purposes, for example, secretaries, technicians. It is essential to work with books for English with specific purposes for each area, so that students can work independently, and learn the English language and their career in a better way.

Reinoso, Armas, Macias, Heredia (2020) English for specific purposes today is in high demand by high-end professionals, so in the sciences, they are subdivided into English for the fields of medicine, engineering, and law, among others. On the other hand, English for specific purpose types a discipline that integrates practice with disciplinary knowledge in which different specific communication can intervene.

#### **1.1.1.1. Importance of the English Language for Specific Purposes**

According to Crespo, Trujillo, and Gonzales (2011), English for specific purposes is essential to focus on the needs of students, which are important to obtain the level of English they need to get their degree. These courses aim to focus on the different skills that students can learn and develop and thus be able to perform their specialty without any problem.

There are different types of features in English for specific purposes, as the absolute characteristics concentrate on grammar, lexicon, methodologies, and the needs of the students. While variable features focus on designing the specific disciplines for adult learners who may be needing it for the job.

### **1.1.2.1. Benefit of English for Specific Purposes**

According to Nur (2020), ESP have some benefits, first it is important for learning speed. ESP results in students having a faster acquisition of elements, so the pattern of language acquisition by native speakers for specific purposes is essential. ESP not only focuses on using the same patterns, but also provides an opportunity to learn in an accelerated and intensive way and to improve the desired English vocabulary.

The next benefit that ESP has is about learning efficiency, students can take a course in which they can use their learning resources, everything applies to the acquisition of specific linguistic skills and elements.

The third benefit that ESP has is about the effectiveness of learning, at the end of the course professionals are ready to use the language adequately and correctly related to work.


### **1.1.2.2. Branches of English for Specific Purposes**

According to Hutchinson and Waters (1987), ESP is divided into three branches: English for science and technology, English for business and economics and English for social science, in which we can find for occupational purposes, for example, English for specific purposes for dentists and dental students.

English for Specific Purposes:

- English for Science and Technology
- English for Business and Economics

- English for Social Sciences

English for Academic Purposes  English for Specific Purposes  
for Odontologists and Odontology students.

### **1.1.3. English for Specific Purposes for Odontologists and Odontology students**

According to Crespo, Trujillo, and Gonzales (2011), Dentistry is a branch of medicine that focuses on the treatment, prevention, and diagnosis of diseases that exist in the oral cavity. We can also say that the main disease that the dentist treats in his office is gingivitis, periodontitis, and dental caries. After this, if the patient does not take care of his oral cavity, he loses the teeth for the same reason that dental extraction is carried out in endodontics, and prosthetics among others.

As well as, oral health is very important to be able to carry out different functions such as eating, smiling, and speaking period for this reason we must take care of our teeth, spend a defined time visiting our dentist so that later they do not have affectations in the mouth, among other types of pathologies that may appear in the mouth.

Many dentists prepare to practice in the field of education as university teachers and others have their private clinics and others work in the hospital with different health personnel.

The dentist-patient communication is important since an agreement can be reached based on the consultation depending on the needs and concerns of the patients. The dentist-patient relationship will depend on different factors such as the patient's age, their cultural You must take into account that communication skills are essential in the clinic and patient dentist communication, if a foreigner comes to the consultation, they must know the correct use of the vocabulary of how to start a conversation depending on the needs of the patient or characteristics of diseases related to oral health. In the international field, if you can do a postgraduate course, present a scientific article or an international congress, English for specific purposes is very relevant in terms of how we should communicate with other people, both globally and nationally.

### **1.1.4. Dentistry Specialties**

Bayas (201) state that the Dentistry career as well as the medical career has its specialties such as:

Endodontics, which is roots canal treatment, and Oral Pathology is about the prevention of diseases that are in the jaws and related structures. Orthodontics specialty

of dentistry that is responsible for the correction of the jaws correctly Aligning Prosthodontics, in this specialty in charge of replacing the missing pieces through a prosthesis. Pediatric dentistry specialty of dentistry that is responsible for the treatment and oral health of children, adolescents, and newborns. Periodontics is a branch of dentistry that deals with the care of the teeth, gums, alveolar bone, cementum, and periodontal ligament.

### **1.1.5. Teaching materials of English for Odontologists**

According to Bayas (2019), to facilitate learning for students with a specific purpose, it is essential to use vocabulary according to the type of specialty in which they are preparing. The teacher has special tasks using phrases, words and expressions in which students can develop in the classroom, learn the English language in an easy and simple way.

However, implementing dental vocabulary in the classroom is a challenging task for teachers who are faced with the task of planning activities necessary for dentistry students in the classroom, and above all, observing the needs of students in class.

Some teachers adopt different communication skills in the classroom, so that students improve their levels, such as images, flashcards, and correct use of pronunciation.

- **Necessities:**

It is important that students know the language and communicate effectively. Therefore, it is important that they know about the communicative functions of each specialty and that they learn to use the language correctly.

- **The lacks:**

Teachers are aware of the lack of knowledge on the part of some students, so it is important to carry out different activities in which students can better learn the language. In addition, it is necessary to reinforce different types of activities that can be practiced in the classroom, so that learning is more significant and essential when using it in its branches.

- **Wants:**

It means that students want to obtain a good level of English, which they can develop in an incredible way when they are exercising a profession. Moreover, the requirement to learn another language is essential, so students must have an interest in learning and, above all, to obtain the level of certification that they ask for to finish their personal objectives.

### **1.1.6. The zone of proximal development of Vygotsky**

This theory refers to the cognitive development that children have had over time; therefore, it is important to emphasize that learning English for a specific purpose is a learning process that is acquired with the strategies and knowledge acquired in class.

The didactic principles are very essential when the teacher teaches his classes, which allow the teacher to have an integrative development to observe the attitudes of students with different learning styles for communication and socialization.

Vygotsky's theory States that. This is the process in which the student is acquiring the knowledge that is necessary so that he can achieve it with great success in the future. Therefore, the teacher has the objective of guiding him, for which the teacher has the function of guiding the student of the different tools that the student needs. The student is acquiring the knowledge of his guide in this case the teacher.

Vygotsky's theory expresses a relationship between the teacher and the students, teachers must create interactive strategies that promote excellent knowledge in which they can function 100% in learning a new language.

### **1.1.7. The progressive critical approach to educational innovation**

According to Arancibia and Castillo, (2018), Educational innovation is a new significant process in the teaching-learning process where all kinds of didactic materials must be incorporated so that the teacher can teach his classes in the best possible way, thus having a better communication with the student. Therefore, Educational innovation is a change that is deliberate and planned, so its purpose is to improve learning and growth for the importance of knowledge innovation, allows the student to create their own knowledge, emphasizing our education knowledge, reaching quality standards and teachers.

That is why it is essential to emphasize that teaching innovation is one of the most crucial and fundamental in this new methodological strategy, so there are some important points such as:

- Methodologies implemented by the teacher.
- The planning and evaluation of learning and skills are very necessary in this preparation.
- Another very important point is teaching innovation and of course the teacher's folder.

## **1.2. Antecedents**

Bayas (2019), conducted research at the UNACH university in Riobamba about the process of teaching English for specific purposes in which a descriptive, field, and mixed approach investigation was carried out where the survey was applied to 26 dentists with different specialties, from whom most had many shortcomings in terms of domain, needs and importance with respect to the English language.

Carabelli (2021), did research about English for Academic Purposes at the University of the Republic in Uruguay, English for academic purposes related to dentistry.

He analyzed the reading comprehension process with the purpose of allowing dental students to enter a course, it was also revealed that the more dental students learn the more vocabulary, the more easily they must understand the texts for specific purposes.

Crespo, Trujillo, and Gonzales (2011) conducted research at the University of medical sciences of Pinar del Rio, Cuba in which multiple surveys were carried out to check the level of English of some graduate dentists who needed a postgraduate degree, so they needed to get the English level, so it was possible to verify that they have a poor level of English in that Period. It was verified that many stomatologists have a poor level of English for specific purposes, which makes it difficult to work in the postgraduate program.

Chaves, A (2001), conducted research at the University of Costa Rica, with the objective the educational implications of Vygotsky's theory in which they consider the pedagogical form to be more contextualized and help students to have their own criteria.

Choudhary (2013), carried out an investigation at the Taif University to verify the importance of learning English for specific purposes of the different areas that exist throughout the world. It is also important to emphasize the importance, the purpose, the different characteristics, the needs that students have when learning with English for specific purposes. The ESP objective is that it is specific English for students who need a specific purpose, which is essential that the ESP course allows students to obtain their appropriate specific objective based on their needs.

Hashmi, Rajab, Sindi (2019), conducted research which was carried out at the Saudi Arabian University in the Department of Dentistry, in which 12 students were intentionally chosen to know the impact of English for specific purposes in dentistry and the mastery of materials and instruments. The results revealed that the students had a positive attitude towards the general English language and English for specific purposes, also the results revealed that the material they were using was old and outdated, so teachers should implement playful books that motivate students who are learning English for specific purposes for dentists.

Khan (2020) did investigation in Saudi Arabia, Najran University, English plays an indispensable role in people's lives as for specific purposes and helps for the various careers that exist such as medicine, engineering, law. This research aimed to motivate students who are in medicine to design their needs that demand medical students to be able to enter the prerequisite course of such a professional discipline for the preparatory program. This research was made known about the importance of language skills and communication functions that medical students need to learn to learn English for specific purposes in Saudi Arabia

Murillo, L (2017), investigated PUCESE with the purpose of designing a book for specific purposes for students of 5-8 semesters of the Applied Linguistics career, with the purpose of participating in a program called ECUADENT. Likewise, this investigation was mixed, qualitative, quantitative. The results revealed that the students had no knowledge regarding the communicative functions for the doctor-patient, doctor-nurse, doctor-family interaction. Moreover, the survey reveals that the students did not have knowledge of certain communicative functions for medical purposes to carry out the correct translation Period. Therefore, as a result, it was possible to design a brochure with specific purposes for the ECUADENT program.

Nur, (2020), developed an investigation with the purpose of creating a course for specific purposes, through which teachers and students can develop activities in different possible ways for teaching English learning. The difficulties that students have in learning English for specific purposes, were shown for this reason, this research is crucial, it was also possible to examine that the lack of materials that were needed in the classroom was a factor that did not be permit an advance in the development of the practice.

Reinoso, Armas, Macias, Heredia (2020), conducted an investigation, it was carried out at the Polytechnic University of Chimborazo, in the city of Riobamba, with respect to English for specific purposes, for which all the benefits and positive aspects of ESP courses are being considered, a descriptive research design was carried out. To analyze the previous records obtained, a survey was applied with the objective to show what is the motivation of learning ESP in the academic area that the Professionals and students of the different careers had.

Rezabala, T (2021), did investigation in Esmeraldas with a population of 20 doctors from the institutions: Naval Hospital, Colon Clinic, IEES Hospital and South Hospital. Likewise, the survey showed that doctors are more interested in learning English for medical purposes. Above all vocabulary to interview patients, presentation of cases, presentation of papers at international congresses, among others.

Sosa, E (2019), carried out an investigation about to design of a book to teach English for Specific Purposes for the Foreign Trade career at PUCE Esmeraldas. He conducted a survey in which announced that the vocabulary to learn English specific purposes was necessary Foreign Trade, administration, economy among others, vocabulary with the specialty international contract, customs, money market. In addition, it was possible to find communicative functions, such as interviewing people in customs, exploring, importing and marketing and, as a result the translation and the communicative method.

Zulkarnain, Jabu, Rahman (2019), carried out an investigation at the State University of Makassar, Indonesia. In addition, the purpose of this research is to know the existing English material for dentists in which this material was verified for the effectiveness of the students and about what perception they had of the students and

teachers developed for dentistry. Also, it was possible to verify that the materials they were using at the university were not suitable for students and with the new material developed the students and the teacher had a better perception to learn English for specific purposes.

## **CHAPTER II**

### **MATERIALS AND METHODS**

#### **2.1. Context**

##### **Type of investigation**

This research was developed by dental students and dentists from different provinces of Ecuador: Esmeraldas, Guayaquil, Riobamba, Cuenca, Manta, 2022.

In Ecuador there are 24 provinces, today there are many health professionals, this research is focused on dental students and dentists from the various cities of Ecuador.

#### **2.2. Population and sample**

Population: 200 Odontologists and Odontology students.

The sample was selected at random, 62 Odontologists and Odontology students.

#### **2.3. Variables**

Operationalization of the variables (Appendix 1)

Dependent variable: English for Specific Purposes for dentistry.

Independent variable: Teaching English

#### **2.4. Methods of investigation**

##### **Analysis and synthesis**

According to Gomez (2005) Analysis is a method that consists of reducing some information.

Gomez (2005): Synthesis is a method that consists of creating new concepts of a developed topic.

These methods were used to refer to two complementary activities in what was a study with complex realities.

##### **Hermeneutics**

According to Quintana and Hermida (2019), The hermeneutic method is defined as a form of analysis in which the interpretation of the texts tends to where its dimension goes, so the hermeneutic method has as its objective to go beyond the meaning and try to understand its true meaning. The hermeneutic method is used to meet the needs such as:

vocabulary, communicative functions, activities that should practice improving English for Specific purposes for Odontology students and Odontologists.

### **2.5. Descriptive statistics:**

It was used to process the data obtained.

**Technique:** This investigation carried out was a descriptive qualitative-quantitative one. A survey was applied to Odontologists and Odontology students. This survey was carried out to find out the needs in vocabulary, activities, communicative functions, and exercises that must be considered to improve English for specific purposes.

**Instrument:** It was applied a questionnaire of about ten questions specific to dentists and students to dentistry. (Survey questionnaire) Appendix 2

### **2.6. Data processing**

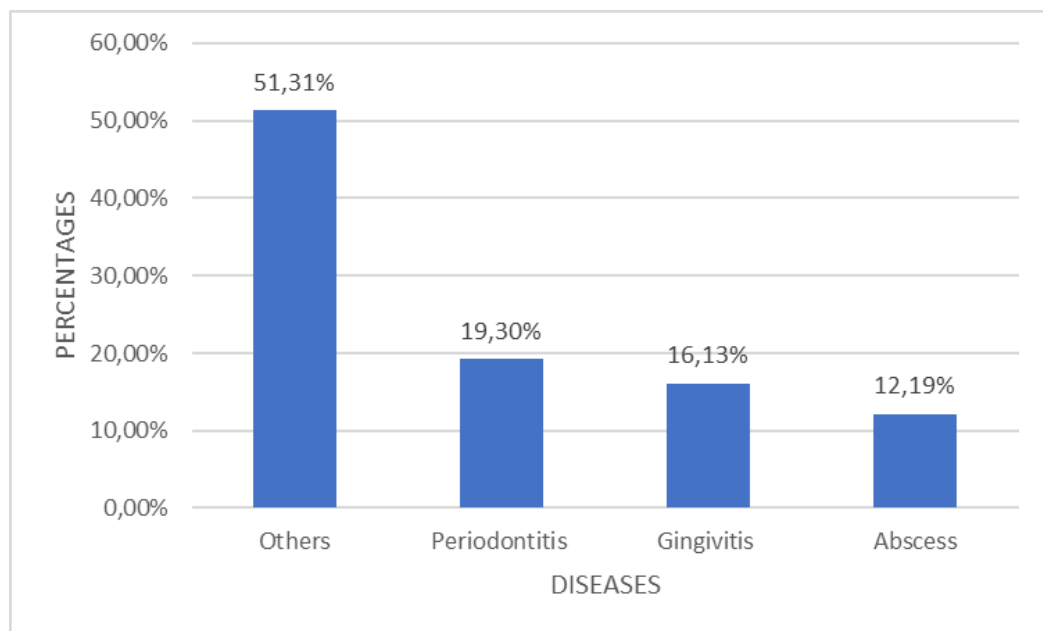
The information was obtained from the technique manually and obtained from the application form. The data was carried out using the Microsoft Excel program.

## CHAPTER III

### RESULTS

According to the vocabulary that odontologists and students of Odontology need to learn, the results are presented in different figures:

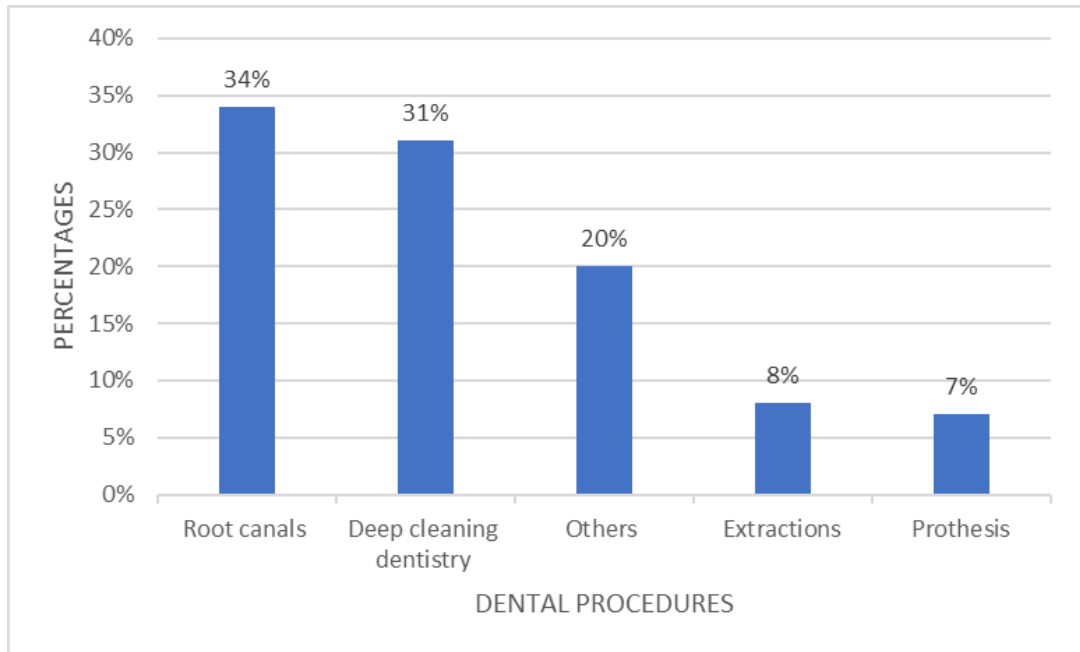
About vocabulary related to diseases (Figure 1), the results revealed that: 51,61% need to learn other types of vocabulary reference about diseases.



**Figure 1.** Vocabulary that Odontologists and Odontology students need to learn about diseases.

**Source:** Survey applied to Odontologists and Odontology students.

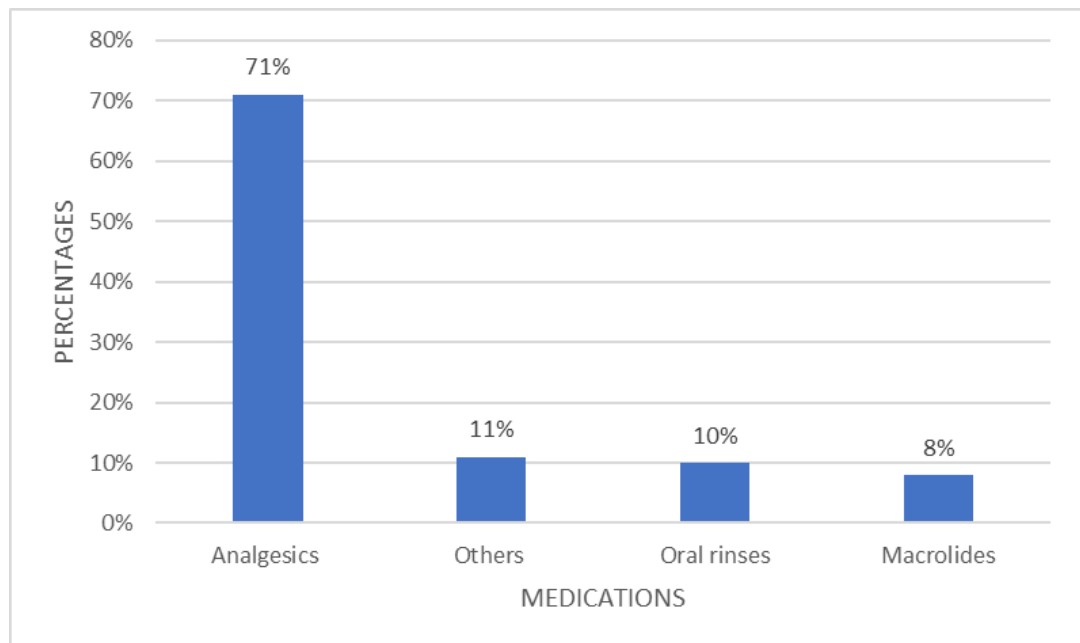
2. About vocabulary related to dental procedures (Figure 2), the results revealed that they are dental procedures: root canals 34%, extractions 8%, prosthesis 7%, deep cleaning dentistry 31%, others 20 %.



**Figure.** Vocabulary that Odontologists and Odontology students need to learn about dental procedures.

**Source:** Survey applied to Odontologists and Odontology students.

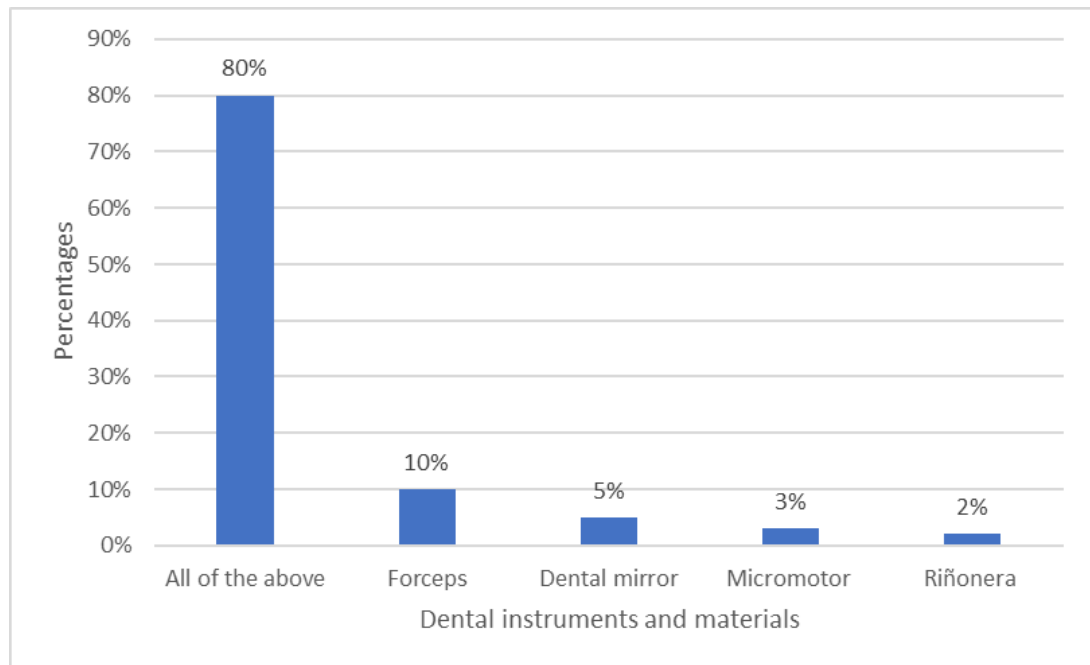
3. About vocabulary related to medications (Figure 3), the results revealed that the majority, 71% need to learn about analgesics , followed by 8 % who stated that they need to learn macrolides.



**Figure 3.** Vocabulary that Odontologists and Odontology students need to learn about medications.

**Source:** Survey applied to Odontologists and Odontology students.

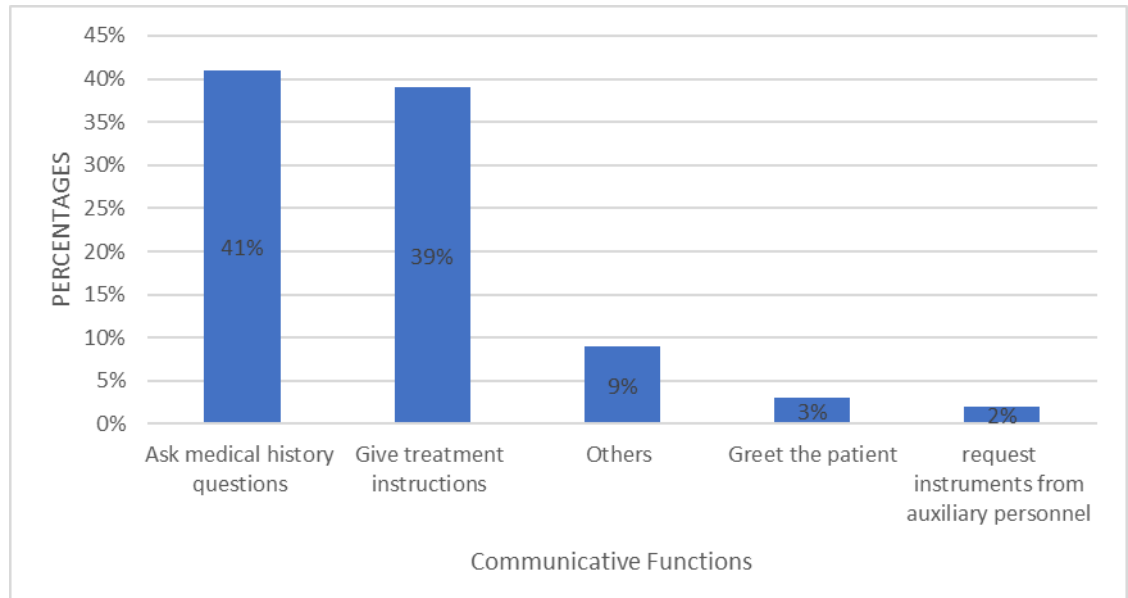
4.About vocabulary related to dental instruments and materials (Figure 4). The results revealed that 80% of dentists and dental students need to learn all the vocabulary related to instruments and materials.



**Figure 4:** Vocabulary that Odontologists and Odontology students need to learn about dental instruments and materials.

**Source:** Survey applied to Odontologists and Odontology students.

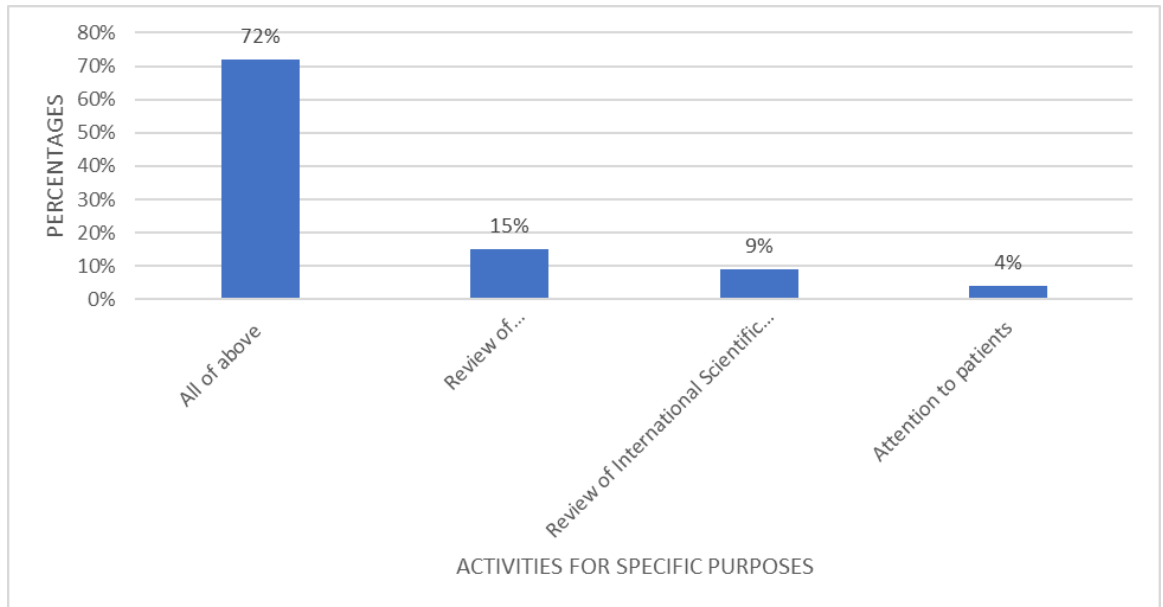
5. Regarding the communicative functions that they need to learn (figure 5) most of the Odontology students and Odontologists considered important: ask medical history questions 41%, give treatment instructions 39%, greet the patient 3%, request instruments from auxiliary personnel 2%, others 9%.



**Figure 5:** Communicative functions that Odontologists and Odontology students need to learn

**Sources:** Survey applied to Odontologists and Odontology students.

6. Concerning the different activities for which Odontology students and Odontologists need to learn English Specific Purposes (Figure 6), the results revealed that the 72,58 % considered all the categories: Attention to patients, review of Thesis and Review of International Scientific articles.



**Figure 6:** Activities for which Odontologists and Odontology students need to learn English for Specific Purposes.

**Source:** Survey applied to Odontologists and Odontology students.

(Appendix C). A Booklet is designed with 4 units in which there are different specialties of the dental career such as: Maxillofacial Surgery, Periodontics, Orthodontics and Endodontics. Odontology students and Odontologists have the possibility to improve: Reading, listening, writing, and speaking and learn appropriate vocabulary for Dentistry.

## **CHAPTER IV**

### **DISCUSSION**

This investigation was important since thanks to the results obtained from the survey it was possible to determine that dentists and dental students need to learn vocabulary about diseases, procedures, medications, materials, and instruments that are important in dentistry. This coincided with the results found by Rezabala (2021) in the fact that the Physicians needed to learn vocabulary about diseases, medications. The two investigations have to do with the needs of students, health professions to learn vocabulary according to their specialty for English for specific purposes.

In addition, the results also coincided with the ones found by Sosa (2019), but was different in the fact that this was about English for foreign trade. the coincidence is how it is necessary to consider the students' needs for designing materials of English for Specific Purposes.

Moreover, the results coincided with the research by Caraveli (2021), the difference was that the students improved their English for specific purposes for dentists with the help of reading comprehension, the students learned more about dental vocabulary for specific purposes and what coincides is that the students had a text to practice the reading comprehension part.

As well as this investigation was regarding communicative functions, dentists and dental students revealed that there are important aspects to consider: Ask medical history question, give treatment instructions, greet patients, request instruments from auxiliary personal, others. The results coincide with the research carried out by Murillo (2017) where he created a book with communicative functions for doctor-patient, doctor-nurse, and doctor-family interaction. The difference was that the brochure was created for doctors to help linguistics students translate and help doctors.

Then, the investigation according to the different activities that dentists and dental students need to learn for specific purposes, the survey could reveal the care to patients, review of undergraduate thesis, master's degree, doctorate, review of international scientific articles, furthermore, the results coincide with the investigation

by Zulkarnain, Jabu, Rahman (2019). In addition, the purpose of this research is to know the existing English material for dentists in which this material was verified for the effectiveness of the students and about what perception they had of the students and teachers developed for dentistry. Also, it was possible to verify that the materials they were using at the university are not suitable for students and with the new material developed the students and the teacher had a better perception to learn English for specific purposes. Both investigations concluded that it is important to implement activities that are necessary so that dentists and dental students can have a better availability when learning English for specific purposes using essential materials.

Furthermore, the investigation done by Crespo, Trujillo, and Gonzales (2011) at the university medical sciences of Pinar del Rio, Cuba in which multiple surveys were carried out to check the level of English of some graduate dentists who need a postgraduate degree, so they need to get the English level, so it was possible to verify that they had a poor level of English in that area.

Besides, the investigation coincided with Nur (2020), this research purpose of creating a course for specific purposes through which teachers and students can develop activities in different possible ways for teaching English learning. As a result, the difficulties that students have in learning English for specific purposes, for this reason, this research is crucial, it was also possible to examine that the lack of materials that were needed in the classroom was a factor that could not be advanced in the development of the practice.

Lastly, This research proposed different activities for dentists who need to learn for specific purposes, this material has activities for reading, listening, writing and speaking with 4 specialties of the dental career so that dentists and dental students can learn and practice the profession with a good level of English for specific purposes , on the other hand, the results also coincided with the ones found by Hashmi, Rajab, Sindi (2019). As a result, revealed that the students had a positive attitude towards the general English language and English for Specific Purposes, also the results revealed that the material they are using is old and outdated, so teachers should implement playful books that motivate students who are learning English for specific purposes for dentists. Both investigations plan some exercises to teach English for the specific purpose of Dentistry, also these investigations could conclude that students need practical, playful, updated

exercises so that they can practice the English language for specific purposes and can enter their master's or postgraduate degrees without any type of difficulty.

Additionally, the results also coincided with the ones found by Khan (2020), English plays an indispensable role in people's lives as for specific purposes and help for the various careers that exist such as medicine, engineering, law etc. This research aims to motivate students who are in medicine to design their needs that demand medical students to be able to enter the prerequisite course of such professional discipline for the preparatory program.

Finally, we can conclude that many investigations are similar for specific purposes, so it is important to emphasize vocabulary, communicative functions, activities that the teacher must implement in the course or classroom so that students can better understand English for specific purposes. and of course, use exercises and updated material to obtain excellent results.

## **CHAPTER V**

### **CONCLUSIONS**

- The English language teaching-learning process for the specific purpose of Dentistry in Ecuador in 2022 was analyzed, permitting to know the main vocabulary, communicative functions, and activities that Odontologists and Odontology students need to learn and, in this way, plan a didactic material to teach.
- The vocabulary that Odontologists and students of Odontology need to learn was determined, being the most important the one related to diseases, dental procedures, dental instruments, and materials.
- The communicative functions that Odontologists and students of Odontology need to learn were identified, being the most relevant Asking medical history questions, giving treatment instructions, greeting patients, Requesting instruments from auxiliary personnel.
- The activities for which Odontologists and students of Odontology need to learn English for Dentistry were defined and are mainly Attention to patients, Review of thesis and Review of international scientific articles.
- Some exercises to teach English for the specific purpose of Dentistry were planned in four main units entitled: Maxillofacial Surgery, Periodontics, Orthodontics Endodontics with Reading, listening, writing, and speaking sessions with different activities according to the diagnosis made regarding vocabulary, communicative functions, and activities.

## **RECOMMENDATIONS**

- There are some recommendations made,
- To teachers, to use the proposed material to teach English for the specific purpose of Dentistry in a course to teach Odontologists and Odontology students.
- To Odontologists and Odontology students, to study the material proposed to practice English for Dentistry.
- To researchers, to carry out a pedagogical experiment with the proposed material and evaluate how it contributes to the improvement of the teaching- learning process of English for the specific purpose of Dentistry in Ecuador.

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## APPENDICES A

| OBJECTIVES  | VARIABLES   | CONCEPTUAL DEFINITION   | OPERATIONAL DEFINITION  | DIMENSIONS                                    | INDICATORS  | ITEMS               |
|---|---|---|---|---|---|---------------------|
| <ul style="list-style-type: none"> <li>•To determine the vocabulary that odontologist need to learn.</li> <li>•To identify the communicative functions that they need to learn odontologist.</li> </ul> | <p><b>DEPENDENT</b></p> <p>Specific purpose for dentistry</p> | <p>English for specific purpose types a discipline that integrates practice with disciplinary knowledge in which different specific</p> | <p>English for specific purpose is essential to focus on the needs of students.</p> | <p>Lexicon</p> <p>Communicative functions</p> | <p>Instruments</p> <p>Diseases</p> <p>Symptoms</p> <p>Medication</p> <p>Giving instructions</p> <p>Show me your teeth/ tongue</p> | <p>1,2,3,4</p>      |
|   | <p><b>INDEPENDENT</b></p> <p>Teaching English</p>             |   |   |   |   | <p>5,6,7,8,9,10</p> |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| <p>•To define the activities for which odontologist need to learn for specific purpose</p> <p>•To plan some exercises according to the contents and things identified.</p> |  | <p>communication can intervention.</p> | <p>Is essential to engage learners in the authentic, practical, and meaningful, grammatical etc.</p> |  | <p>Relax</p> <p>Wash your mouth</p> <p>Lie down</p> <p>Procedures</p> <p>Take any medicine</p> |  |
|--|--|--|--|--|--|--|

## **APPENDIX B:**

### **SURVEY OF DENTISTS OR DENTAL STUDENTS**

#### **OBJECTIVE:**

To know the learning needs of English for specific dental purposes

#### **Note:**

This survey is only for investigative purposes to carry out my degree thesis, it is completely anonymous, so I kindly ask you to be honest.

**Thank you,**

**student researcher**

**Choose according to your category:**

Dentists \_\_\_\_ Dental students \_\_\_\_\_ City \_\_\_\_\_

**1. Do you consider that knowing English for the specific purpose of Dentistry is important?**

Pretty

Much

Not much

**2. Have you had the opportunity to assist English-speaking patients?**

Pretty

Much

Not much

**3.- Choose the vocabulary related to Dentistry that you need to learn.**

disease related.

Periodontitis

Gingivitis

\_Halitosis

\_Infection

\_Alveolitis

pericoronitis

\_Abscess

\_Dental caries

\_Osteoblastoma

\_Torous Palatino

#### **4) Related to procedures**

\_Endodontics

Root canal

\_Exodontia

\_Prosthesis

\_Deep cleaning

#### **5) Drug related**

\_Macrolides

\_Erythromycin

\_clarithromycin

\_Azithromycin

-Dexamethazone

-Amoxicillin

-Cephalosporin

-Ceftriaxone

-Ibuprofen

## **6) Related to instruments and materials**

\_tweezers

\_Mirrors

-forceps

-belly bag

\_micromotor

## **7) -Select the communicative functions for which you need to learn English for specific purposes for Dentists**

\_Greet the patient.

\_Give instructions for the physical examination.

\_Ask medical history questions.

\_Give instructions for the procedures.

\_Give instructions for treatment.

\_Give post-operative instructions.

\_Request instruments from auxiliary personnel

## **8) -Select the activities for which you would need to use English for specific purposes for Dentists, either in the country or abroad**

\_Attention to patients

\_Review of international scientific articles

\_Participation in international conferences

\_Presentation of clinical cases

\_Completion of Bachelor's/Master's/PhD thesis

-Teach

\_Online medical consultations

-Professional exchanges

**9) -Would you like to study an English course with Specific Purposes for Dentistry?**

Pretty

Much

Not much

**10) If the answer is affirmative, select the modality you prefer for the course**

Online

Face to face



ENGLISH FOR THE  
SPECIFIC  
PURPOSE OF DENTISTRY

TAHIRI ANDREINA QUIÑONEZ ALMEIDA

2022



## **INTRODUCTION**

This didactic material is elaborated with the purpose that students and professionals in dentistry know different vocabulary for specific purposes for dentists and for this reason this brochure has been created with the different areas in dentistry.

Nowadays it is necessary to learn English for all the specialties of the different careers that exist worldwide, therefore it is important to bear in mind that we must learn to use the terms well when expressing something, for this reason it is essential to know and know what terms specific is used especially for specific purposes.

In dentistry it is necessary to know exact terminology to know how to express in the language of dentist's phrases such as, wash your hands, open your mouth, rinse your mouth, etc.

For this reason, this material is intended to provide support to dentists and dental students, for them it is important to share different types of definitions, jobs so that they have a better type of meaningful learning and so they can learn more about their career and terms for them.

English for specific purposes is a necessity that all students must learn for their different professional careers. General English helps you learn basic things, but unlike English for specific purposes, it is more focused on academics and work. This material, which is aimed at dentists, presents 4 units in which 4 specialties were chosen, such as maxillofacial surgery, periodontics, orthodontics, and endodontics with their respective activities.

## **CONTENTS**

### **UNIT 1: MAXILOFACIAL SUGERY: FACIAL INJURIES**

- READING
- LISTENING
- WRITING
- SPEAKING

### **UNIT 2: PERIODONTICS: ORAL DISEASES**

- READING
- LISTENING
- WRITING
- SPEAKING

### **UNIT 3: ORTHODONTICS: DENTAL BRACES TREATMENT**

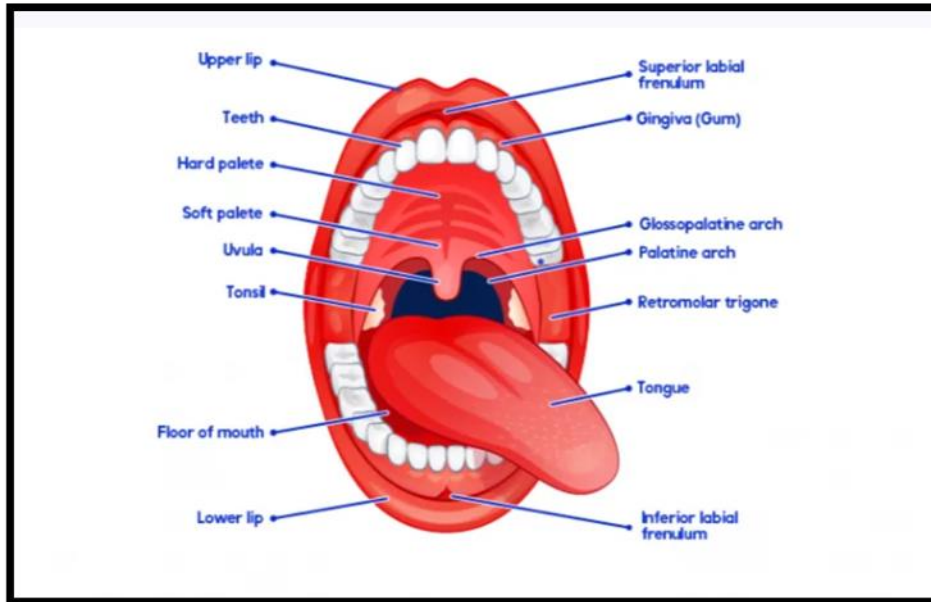
- READING
- LISTENING
- WRITING
- SPEAKING

### **UNIT 4: ENDODONTICS: DENTAL BRACES TREATMENT**

- READING
- LISTENING
- WRITING
- SPEAKING

# PARTS OF YOUR MOUTH

It is important to learn how to say each part of our human body using terms with specific purposes for them, in this booklet we will learn the parts of the mouth.



# Glossary

**Abscess:** It is a localized inflammation that can be acute or chronic.

**Adhesion:** It is a state where surfaces are held together by something physical or chemical.

**Alveolar:** It is a term used to refer to bone.

**Amalgam:** It is a substance that can be mixed by one or more elements which is used in direct restorations.

**Anesthesia:** It is a type of medication that is used in dental procedures to help reduce pain or discomfort.

**Alloy:** It is a compound that serves to mix one or more compounds that have properties

**Braces:** These can be made of metal, sapphire, lingual or plastic, they have the functionality of correcting the arch.

**Benign:** Non- malignant

**Broken teeth:** It can present clinically as a crack or chip that is generally caused by injuries to the mouth.

**Bruxism:** It is problem in grinding to function of teeth

**Calculus:** It is called dental calculus because it is a hard deposit of mineralized substance that adheres to the crown of the teeth.

**Caries:** It is a term that is frequently used for people who have dental cavities.

**Cavity:** It is a part of the tooth in which it is presented in a carious form.

**Cement base:** It is a used material that is used to place under a filling to replace a lost dental structure.

**Composite:** It is a dentistry material used for dental restoration.

**Coronal:** This term refers to the crown of a tooth.

**Cracked tooth syndrome:** Characterized by pain when chewing.

**Crown:** It is the replacement of a tooth made with different types of materials to be placed in the socket of the tooth.

**Dental x ray:** It is used to check if the patient has any type of dental caries, or to rule out any dental problems.

**Dentition:** it is called the teeth and their entire dental arch

**Dentures:** replacement of one or more teeth

**Decay:** An infection that destroys the teeth

**Dental arch:** is named because it is a curved composite structure of the natural dentition.

**Diastema:** is the separation of the anterior incisors of the same dental arch

**Extract:** To remove a tooth

**Extraoral:** Something that is outside the oral cavity is called extraoral.

**Facial:** It is when the surface of a tooth is directed towards the cheek or lips.

**Filling:** It is a term that is commonly used for the restoration of lost teeth using materials such as metal, plastic, and porcelain.

**Fracture:** The break is a part that occurs in a bony part of a tooth

**Furcation:** It is called a tooth that is a multiarticular where the roots grow

**Gingivitis:** Inflammation of the soft gum tissue surrounding the teeth

**Jaw:** It is used to differentiate if it is mandibular or maxillary

**Lingual:** Belongs to the tongue

**Toothache:** Pain felt in or around a tooth

**Sensitive teeth:** Pain felt when drinking hot or cold beverages.

**Mouth sores:** A painful sensation in the gums, usually when brushing.

**Plaque:** A sticky substance containing microorganisms that grow on the surface of teeth

**Periodontitis:** inflammation of the gums for which you are not careful about your oral health

**Pulpotomy:** removal of part of the pulp

**Pup:** It is a connective tissue that contains blood vessels and occupies the pulp cavity.

**Pulpitis:** It is the inflammation of the pulp

**Root canal:** The portion of the pulp cavity that is within the root of the tooth is called the root canal.

**Scaling:** It is a process that removes plaque and stain from the teeth.

**Stomatitis:** It is the inflammation of the membrane of the mouth.

**Torus:** It is called a torus, it is a bony elevation of the bone, it can occur in the maxilla or mandible.

**Trimus :** It is a problem that exists to open the mouth is due to inflammation of the chewing muscles

**zygomatic bone:** It is a bone that has a quadrangular shape that is located on each side of the face from the prominence of the cheek.

## **METHODOLOGICAL ORIENTATION FOR 4 UNITS**

### **1. READING SECTION**

Stage 1: Preparatory stage

Objective: To prepare the students for the reading section.

Procedure:

- 1) Students read and analyze the text.
- 2) Students work in pair and practice with you own words.

Stage 2: Reading

Objective: To analyze the text and try to understand.

Procedure:

- 1) Read the text.
- 2) Read and complete the exercise.
- 3) Read and check the correct answers.

### **2. LISTENING SECTION**

Stage 1: Preparatory stage

Objective: To prepare the students for listening section

Procedure:

- 1) Teacher explains some ideas about the topic in this unit.
- 2) Students try to understand the topic.

Stage 2: Listening

Procedure:

- 1) Listen to the video.
- 2) Listen and practice the activity.
- 3) Listen and check the correct answers.

### **3. WRITING SECTION**

Stage 1: Preparatory stage

Objective: To prepare students for writing section

Procedure:

- 1) Explain the students about the activity for this section.
- 2) Talk about the activity for this unit.

Stage 2: Writing

**Procedure:**

- 1) Read and write the exercise.
- 2) Repeat three times the vocabulary.
- 3) Check the correct answers.

#### **4. SPEAKING SECTION**

**Stage 1: Preparatory stage**

Objective: To practice speaking with their partner in this unit section

**Procedure:**

- 1) Students read and pronounce each word.
- 2) Students practice with their partner.
- 3) Find the meaning of the word.

**Stage 2: Speaking**

**Procedure:**

- 1) Understand the text and prepared your speech.
- 2) Practice and speak with their partner about your text.
- 3) Practice and practices many times.

# UNIT 1

## MAXILLOFACIAL SURGERY

- ✓ READING
- ✓ LISTENING
- ✓ WRITING
- ✓ SPEAKING

<https://www.youtube.com/watch?v=fI7pZeCrMSQ>



### **DIALOGUE:**

A: Today's visit to dentistry

B: Hi

A: Hello, good morning! Mr. Castro

B: Do you have an appointment with the dentist?

A: Yes, at 9:30 am

B: Have a seat

Now learn about some important vocabulary:

- 1) Sit in dentistry chair.
- 2) Put on sunglasses.
- 3) Sit still / open wide.
- 4) Brush your teeth / polishing brush
- 5) Spray rinse / suction mouth
- 6) Floss teeth Check your teeth with mirror and explorer.
- 7) Dentists sits down/ count teeth.
- 8) Scale tartar/ tooth scaler
- 9) Paint on fluoride

## **READING SECTION**

### **TASK 1**

In this task, the teacher will ask different questions regarding the graph and will introduce the topic as briefly as possible.

**1) LOOK AT THE PICTURE AND TALK ABOUT IT.**



**2) READ A SHORT INFORMATION ABOUT MAXILOFACIAL SURGERY**

**TOPIC: FACIAL INJURIES**

Facial injuries are frequent in hospital emergency rooms, more frequently men than women have these types of accidents. For example, they are more common in traffic accidents, domestic accidents, falls, fights or attacks at work, at home, on the street, etc.

Other authors affirm that it is also more common in interpersonal violence, which is the type of trauma that occurs the most in surgery. More than 50% of patients with facial problems have a trauma that is multiseismic, which is why they need to be attended by specialist doctors such as maxillofacial surgeons, cosmetic surgeons, ophthalmologists, among others. Traumas involve facial fractures and injuries to various parts of the body such as soft, nervous, and visceral injuries, among others.

<https://www.medigraphic.com/pdfs/veracruzana/muv-2016/muv161d.pdf>

**TASK 2**

In this task the students will watch and listen to the video and then they will have to complete the missing sentences and then repeat the vocabulary.

## LISTENING SECTION

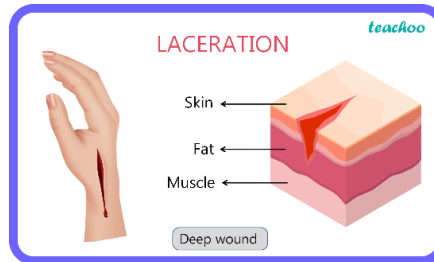
<https://www.youtube.com/watch?v=G8IHcZQS68>

**Listen and watch the video and fill in the gaps in the following statements about facial injuries.**

- a) Patients with facial injuries ..... trauma.
- b) As such, your initial assessment should follow the.....
- c) First, the most important assess the airway of the patient.....
- d) ..... Increase risk of upper airway obstruction from swelling.
- e) Broken teeth, and/or uncontrolled bleeding.
- f) An obstructed airway can be fatal and.....
- g) After the airway....., the second most important thing ..... to facial.
- h) ..... can lead to significant..... trauma, which.....
- i) In addition, the operative management of..... Injuries .....

**Listen and repeat the picture according to the facial injuries.**

FACIAL INJURIES

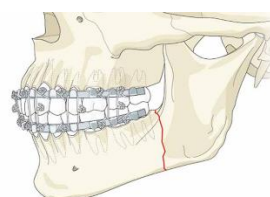


SKIN LACERATION

AIRWAY OBSTRUCTION



FRACTURE TO THE JAW



### Task 3

Students will have to write sentences regarding the topic using the vocabulary.

### WRITING SECTION

**Vocabulary. Write a sentence using each word according to video about facial injuries.**

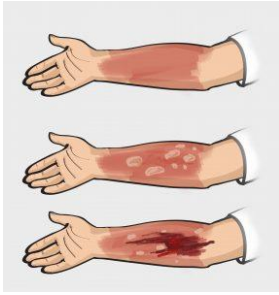
Facial injuries, skin lacerations, burns, obstruction to the nasal cavity or sinuses, teeth, fractures to the jaw.



.....



.....



.....

**Task 4**

**In this task, students will have the opportunity to practice different questions with their classmates and practice communicative functions.**

**SPEAKING SECTION**

✓ **Work in pairs, answer the questions about facial injuries.**

- 1. In your opinion, what is facial injuries? Explain with your own words.
- 2. What are the most common causes of facial injuries?
- 3. How can we prevent a facial injury or facial trauma?

✓ **After that, read your answers and share with your classmates and teacher about facial injuries.**

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✓ **Finally, record a video and talk a summary about facial injuries, the video must at least 3 minutes and you must upload it to YouTube and share with your teacher and classmates.**

# UNIT 2

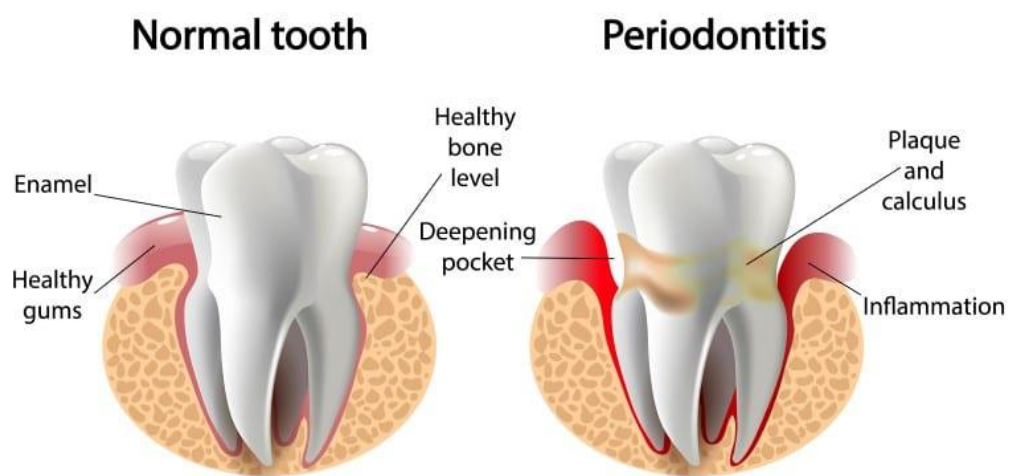
## PERIODONTICS

✓ **READING**

✓ **LISTENING**

✓ **WRITING**

✓ **SPEAKING**



## **TASK 1**

**In this task you will find a reading in which you would have to read and understand the topic and then find the words that are in the letter soup.**

### **READING SECTION**

#### **1) LOOK AT THE PICTURE AND TALK ABOUT IT.**



#### **2) READ A SHORT INFORMATION ABOUT ORAL DISEASES**

##### **TOPIC: ORAL DISEASES**

Oral diseases are more frequent in the oral cavity, among them we have gingivitis, periodontitis, caries, they have great health and economic burdens because of the quality of life of this disease.

The treatments that involve periodontal disease, gingivitis, dental caries have an awfully expensive cost, which is why oral health prevention campaigns are carried out. Not smoking is the campaign to prevent oral cancer, so it is essential to take into account these favors that are necessary and essential for all human beings.

Other factors that are associated with poor oral hygiene is the lifestyle that each person leads. People who are addicted to tobacco, who suffer from chronic diseases such as diabetes mellitus, heart disease, people who constantly consume drinks and foods with a high sugar level. Therefore, it is important to visit the dentist at least every three months and take care of our oral health, brush your teeth at least three times a day, use dental floss and mouthwash so that plaque bacteria do not accumulate in the gums of the teeth and This way you can protect yourself from dental loss in the future.

**FIND THE WORD IN THE LETTER SOUP ABOUT ORAL DISEASES.**

GIGIVITIS, GUMS, PERIODONTISTS, JAWBONE, BONE LOSS, TEETH

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| G | I | G | I | V | I | T | I | S | N |
| G | M | G | J | G | F | O | N | D | T |
| U | M | T | B | O | D | R | T | D | E |
| M | B | J | U | O | E | I | I | D | E |
| S | G | J | I | G | D | W | S | E | T |
| O | O | R | G | J | W | D | T | D | H |
| K | E | J | D | L | L | O | S | S | A |
| P | N | J | A | W | B | O | N | E | G |

**TASK 2**

**In this task you will practice listening skills by listening to a video about oral diseases and then you will have to complete.**

**LISTENING SECTION**

**Listen to the video and fill in the gaps about oral diseases.**

<https://www.youtube.com/watch?v=E717XwFEn4>

- a) Dental diseases..... do and do not .....
- b) Signs to look for.....or bleeding gums.....  
Loose teeth,..
- c) Periodontal diseases..... Around the teeth.....  
There is usually..... No pain.....
- d) Until the severe stages..... this acid attack last for 5-15 minutes  
.....

- e) Health..... And unhealthy.....
- f) Soft candy and..... food..... to tooth.....
- h) ..... sweets with..... is better than between .....
- i) Brushing ..... to reduce tooth .....
- j) Dental caries.....
- k) ..... tooth.....

**TASK 3**

**In this task you will improve your vocabulary by practicing writing skills and then repeat the vocabulary about oral diseases a few times.**

**WRITING SECTION**

**Vocabulary. Write a sentence using each word in the box according with the topic oral diseases and instruments.**

Oral diseases,Periodontal probes,Dental explorers:Dental curettes:Dental files,Dental hoe,Dental brushes, Mouth mirror, Explorers, Sickle scalers, Universal curettes, Rubber cups,Bristle brushes, Dental tapes,Surgical blades, Periosteal elevators,Needle holders,Lasers, Arkansas stone:

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....
- 7.....
- 8.....
- 9.....
- 10.....

**Repeat the word and three times about vocabulary periodontal surgical instruments:**

**Periodontal probes**

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.....  
.....

**Dental explorers**

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**Dental brushes:**

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.....

**Explorers:**

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**Arkansas stone:**

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**Periosteal elevators:**

.....  
.....  
.....



# UNIT 3

## ORTHODONTICS:

✓ **READING**

✓ **LISTENING**

✓ **WRITING**

✓ **SPEAKING**



## TASK 1

In this task, activities will be presented to improve the reading skills part through a reading about braces treatment.

### READING SECTION

#### 1) LOOK AT THE PICTURE AND TALK ABOUT IT.



#### 2) READ A SHORT INFORMATION ABOUT DENTAL BRACES TREATMENT

Brackets and orthodontic treatment are aimed at correcting bad bites or malocclusion or also called crowded or crooked teeth. There are cases in which the teeth may be straight but may be your upper and lower jaws do not meet correctly. There are different factors that people have jaw alignment problems can be inherited or can also be the product of early injuries, early loss of teeth or also sucking teeth or also known as digital suction. If your smile has malocclusion problems, the dentist recommends you use orthodontic appliances so that you can correct your teeth using different types of brackets according to your oral problem.

## Task 2

In this task, a video will be shown in which students will have to listen and take notes to later complete the activities in listening skills.

### LISTENING SECTION

Listen and watch the video complete each distinct types of orthodontic treatment.

<https://www.youtube.com/watch?v=nM3ConF9qzk>

✓ **Types of treatment**

a) Phase I treatment

.....

b) Mixed dentition

.....

c) Phase II treatment

.....

✓ **Appliances**

|     |     |     |  |
|-----|-----|-----|--|
| RPE |     | TPA |  |
|     | TAD |     |  |

✓ **TYPES OF BRACES**

**Metal braces:**

.....  
.....

**Iconix braces**

.....  
.....

**Invisalign:**

.....  
.....

**Lingual braces:**

.....  
.....

**TASK 3**

**In this task the students will have to practice the writing skills part where through the vocabulary.**

**WRITING SECTION**

**Vocabulary. Write a sentence using each word about types of orthodontic treatment.**

Lingual braces, mixed dentition, orthodontic, malocclusion, jaw alignment, teeth, metal braces.

- 1).....
- 2) .....
- 3).....
- 4).....
- 5).....
- 6).....
- 7).....

**Unscramble the words.**

Sionccluma:

Theet:

Gualling cesbar:

Iesca:

Shbru:

Echa:

Cessabs:

Tionpreven:

rygesur:

Toothtepas:

Mentttrea:

Wismod thoot:

Tenwhi:

Tisdonorth

### **TASK 4**

**In this task the students will practice speaking skill in which they will be divided into three groups so that each group at the end must present a speech on the topic of this unit.**

## **SPEAKING SECTION**

### **TEAM GROUP**

#### **INSTRUCTIONS:**

- Join in three groups.
- Write five ideas about types of orthodontic treatment.
- Then, compare your ideas with your partner.
- After that prepare a brief discussion.
- Finally, which discuss better is the group winner.

#### **TOPIC: TYPES OF ORTHODONTIC TREATMENT**

### **Group #1**

.....

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.....

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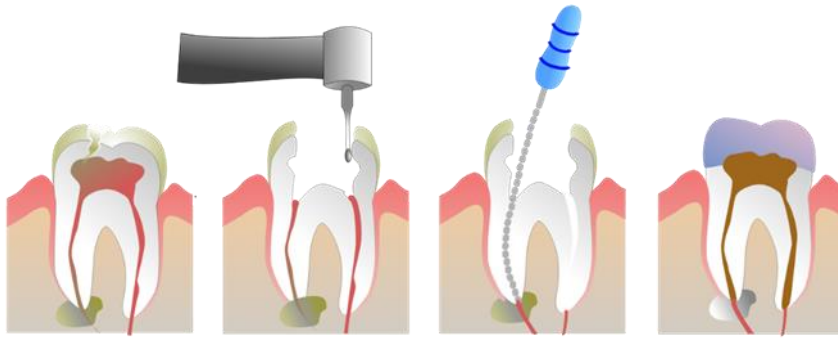
.....

## Group #2

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## Group #3

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## **UNIT # 4**

### **Endodontics**

- ✓ **READING**
- ✓ **LISTENING**
- ✓ **WRITING**
- ✓ **SPEAKING**

## TASK 1

In this task, students will have to practice reading skill with a reading about: Root canal treatment.

### READING SECTION

- 1) LOOK AT THE PICTURE AND TALK ABOUT IT.



## 2. READ A SHORT INFORMATION ABOUT DENTAL BRACES TREATMENT

Endodontics has the purpose of recovering the dental piece instead of extracting it completely, for this reason many prevention campaigns have been carried out to take care of our teeth. The term root canal means the cleaning of the canals within the root of the teeth. In the days before, having a root canal was very painful, but thanks to the fact that technology exists today, it has evolved and there are local analgesics, and many people have little or no pain at all thanks to the evolution of local analgesics. That is why it is essential that people go to the dentist more frequently so that they can save their teeth and thus do not have dental cavities, or need a root canal, or that the dentist has to replace the teeth due to missing teeth, therefore a call of attention that all people have the appropriate precaution not to lose their dental pieces.

Teeth have a white core called dental pulp. The pulp extends from the crown to where the tooth can be seen in part of the jaw. The pulp is composed of vessels, nerves, connective tissues. When the tooth looks cracked, chipped, or has a deep cavity, bacteria have the possibility of entering the pulp. When the tooth presents an injury, it can cause damage,

or it can present an inflammation to the pulp of the tooth. If this problem is not treated, a decomposition can occur that can even lead to a mouth abscess, it can cause the death of the pulp and if it is not treated in time, loss of teeth, inflammation, sensitivity, etc

## TASK 2

**In this task the students will have to practice listening skills so they will have to complete and then draw the root canal procedure according to the video.**

### LISTENING SECTION

#### 1. LISTEN, WATCH AND COMPLETE THE VIDEO ABOUT: ROOT CANAL PROCEDURE.

<https://www.youtube.com/watch?v=AMgllglpPZk>

Root canal.....

Cavity infection the blood and the nerve supply of tooth.

As a result of the deep infection....., may become severely .....

Depending on the severity of ..... root canals.....

One to two ..... Not including any..... visits.

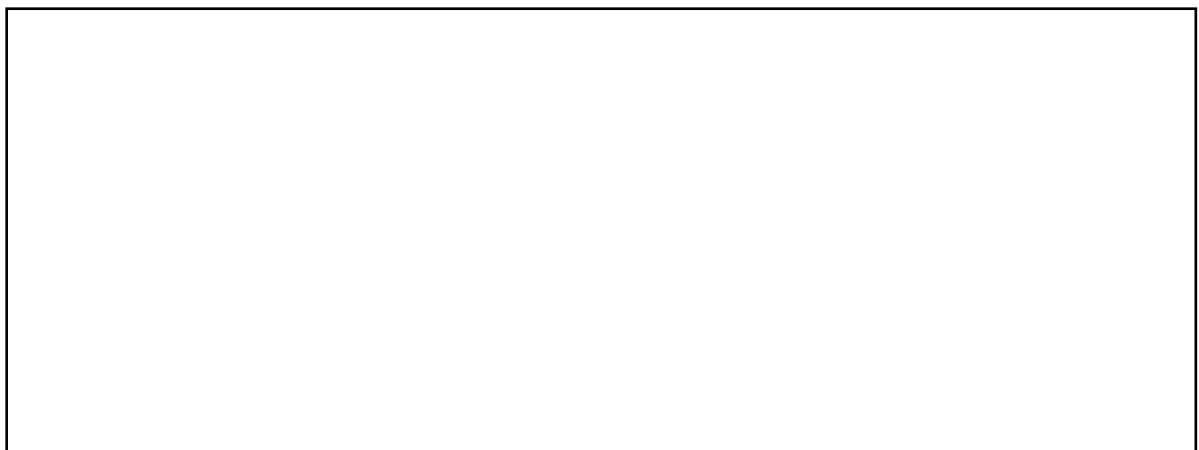
To treat the infection....., the dentist must first gain access to the inside of..... All the decay.

Then, each ..... inside the..... must be identified and..... out if it's .....

..... Using small ..... called files.

Once the hand filing of ..... is completed canals ..... using rotary instruments.

#### 2. According to the video draw step by step about root canal.



### TASK 3

In this part of the task, students will have to find the meaning of the topic of this unit and thus they will have the possibility of improving the writing skills part.

### WRITING SECTION

**VOCABULARY. WRITE THE MEANING ACCORDING TO THE TOPIC:  
ROOT CANAL PROCEDURE.**

Endodontics, abscess, hurt, inflammation, infection, decay, local anesthetic, bacteria, cavity, caries, painful, pulp, treatment, teeth, prevention, nerve, root, procedure.

1) **Endodontics:**

.....  
.....  
.....

2) **Abscess:**

.....  
.....  
.....

3) **Hurt:**

.....  
.....  
.....

4) **Inflammation:**

.....  
.....  
.....

5) **Infection:**

.....  
.....  
.....

6) **Pulp:**

.....  
.....  
.....

7) **Nerve:**



## ANNEXES



