

# Postgraduate Certificate

## Oral and Respiratory Microbiota





## Postgraduate Certificate Oral and Respiratory Microbiota

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [techtitute.com/us/medicine/postgraduate-certificate/oral-respiratory-microbiota](https://techtitute.com/us/medicine/postgraduate-certificate/oral-respiratory-microbiota)

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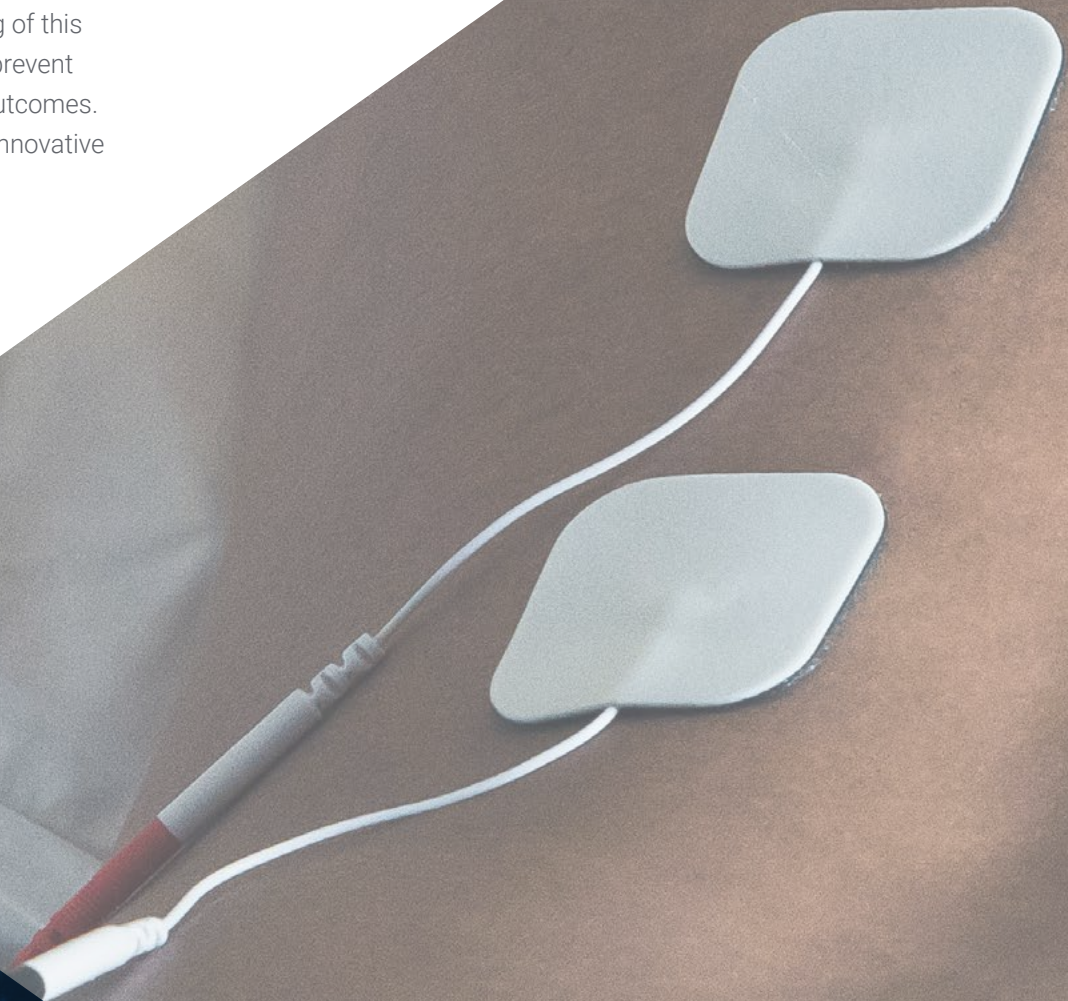
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# 01

# Introduction

Oral and Respiratory Microbiota play a fundamental role in people's well-being, influencing a variety of physiological and pathological processes. So much so that, in recent years, the World Health Organization has urged physiotherapy professionals to deepen their understanding of the complexity of these microbiomes in relation to various clinical conditions and diseases. By having a solid understanding of this subject, specialists can design highly personalized interventions that help prevent any adverse effects in their patients and significantly optimize treatment outcomes. To help them delve deeper into this healthcare field, TECH is launching an innovative online university program dedicated to Oral and Respiratory Microbiota.





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*Thanks to this 100% online Postgraduate Certificate, you will accurately diagnose and address your clients' problems related to Oral and Respiratory Microbiota”*

Oral and respiratory health are fundamental to ensure the overall well-being of individuals. In this context, the oral and respiratory microbiota play a key role in maintaining this balance. These microorganisms greatly influence the local immune response, microbial homeostasis and the prevention of colonization by pathogens. In this context, it is essential for physiotherapists to have a thorough understanding of the composition and function of the microbial system in order to address a wide range of clinical conditions, ranging from musculoskeletal diseases to chronic respiratory conditions.

In this context, TECH presents a pioneering and revolutionary Postgraduate Certificate in Oral and Respiratory Microbiota. Conceived by experts in this field, the academic itinerary will delve into both oral and respiratory ecosystems, addressing the most common alterations or conditions that occur (including Otitis, Oral Dysbiosis or Allergic Bronchial Asthma). In this regard, the teaching materials will analyze the most avant-garde and effective Probiotics to treat these diseases. As a result, students will develop advanced skills to diagnose Microbiota-related imbalances and design treatment plans to address these problems (including manual therapy techniques, therapeutic exercise and patient education). In addition, a prestigious International Guest Director will provide a rigorous Masterclass to address current lines of research and clinical applications around the Microbiota.

Regarding the methodology of the university program, TECH is based on the revolutionary Relearning teaching system. This method consists of progressive reiteration of key concepts to ensure that physical therapists achieve a full understanding of the content. In addition, for access to all teaching resources, the only thing professionals will need is an electronic device with an Internet connection (such as a cell phone, tablet or computer). Therefore, they will enter the Virtual Campus and will enjoy a highly dynamic learning experience.

This **Postgraduate Certificate in Oral and Respiratory Microbiota** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of case studies presented by experts in Oral and Respiratory Microbiota
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*A renowned International Guest Director will give a rigorous Masterclass that will immerse you in the reality of a profession full of challenges”*

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*Give a quality boost to your career as a Physiotherapist using the most innovative and effective Probiotics for the treatment of upper respiratory infections”*

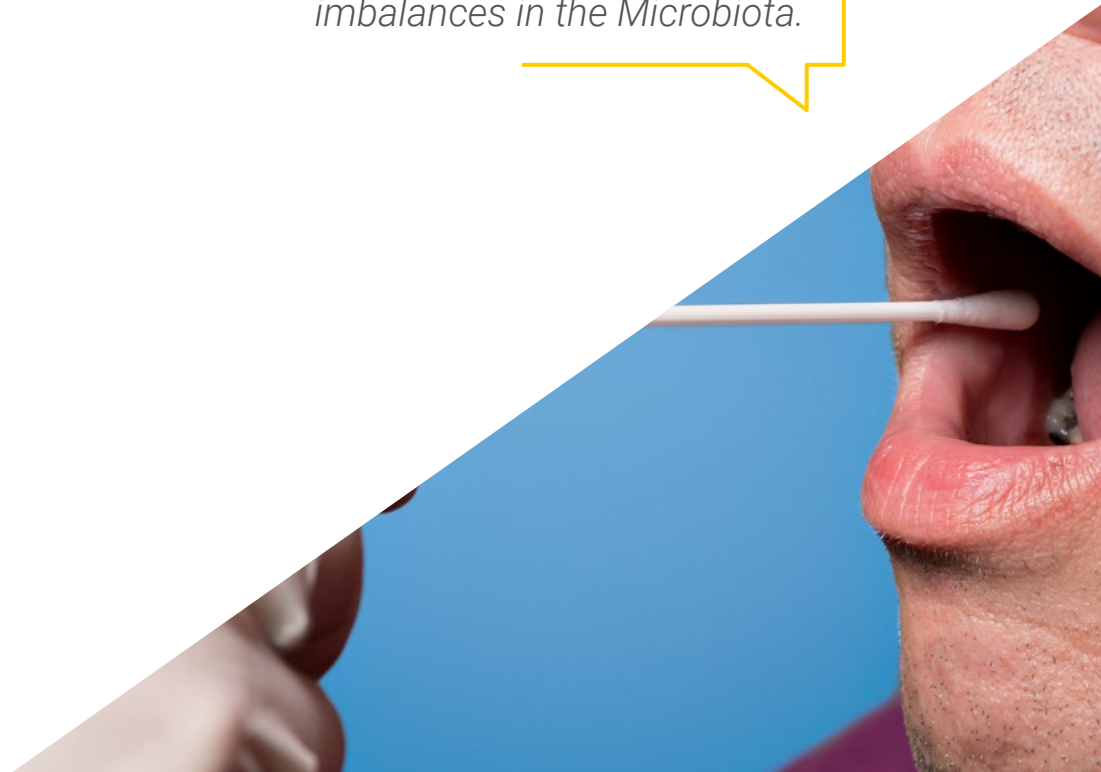
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

*Are you looking for a university program that is compatible with your daily responsibilities? You are in the right program, TECH adapts to your circumstances.*

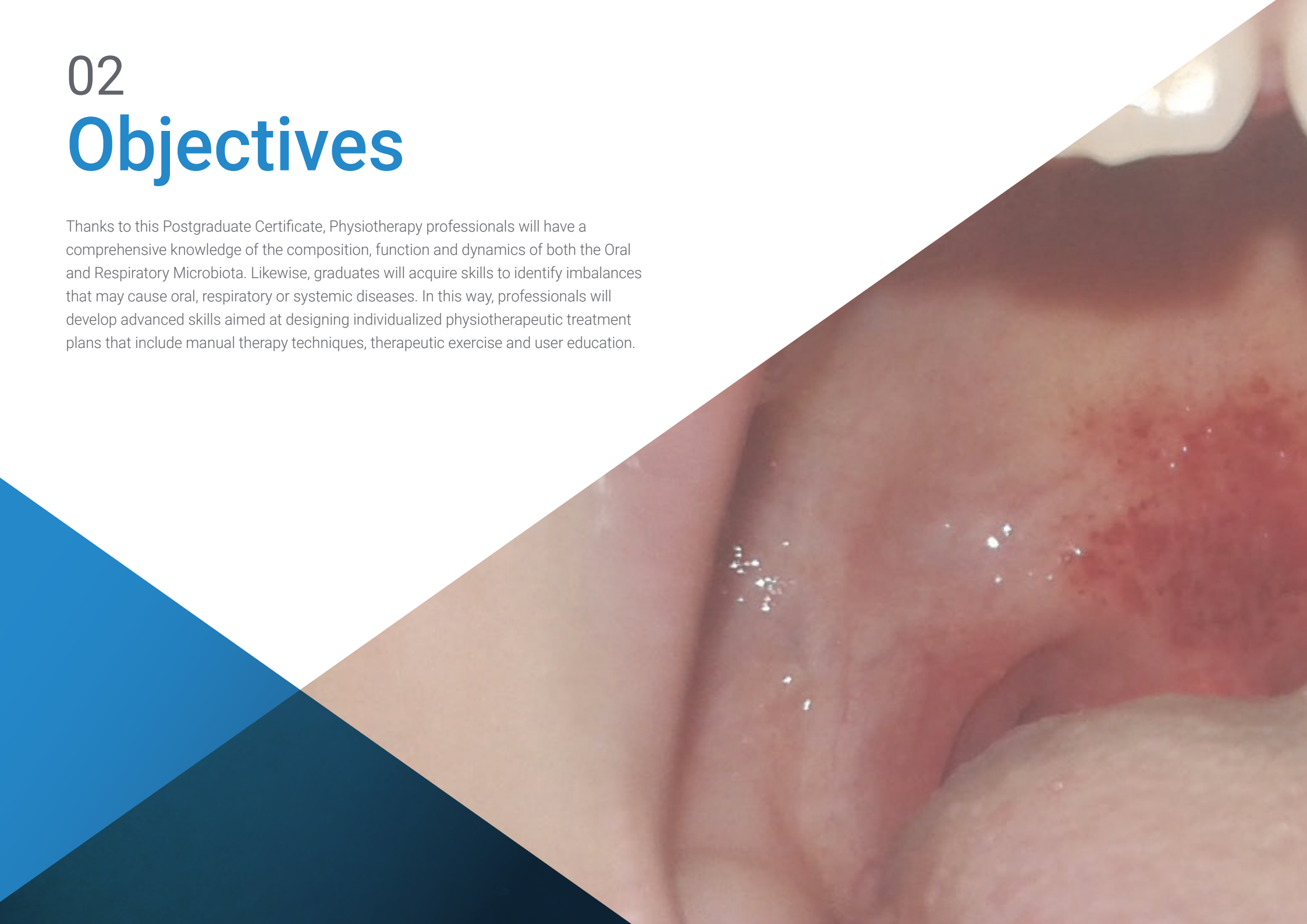
*A study plan based on the Relearning system, which will facilitate the renewal of knowledge in the therapeutic approach to patients with imbalances in the Microbiota.*



# 02

## Objectives

Thanks to this Postgraduate Certificate, Physiotherapy professionals will have a comprehensive knowledge of the composition, function and dynamics of both the Oral and Respiratory Microbiota. Likewise, graduates will acquire skills to identify imbalances that may cause oral, respiratory or systemic diseases. In this way, professionals will develop advanced skills aimed at designing individualized physiotherapeutic treatment plans that include manual therapy techniques, therapeutic exercise and user education.







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*You will acquire skills to evaluate and diagnose problems related to the Oral and Respiratory Microbiota of your patients”*



## General Objectives

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- Offer a complete and wide vision of the current situation in the area of the Human Microbiota, in its widest sense, the importance of the balance of this Microbiota as a direct effect on health, with the multiple factors that influence it positively and negatively
- Argue with scientific evidence how the Microbiota and its interaction with many non-digestive pathologies is currently being given a privileged position, of an autoimmune nature or its relationship with the dysregulation of the immune system, prevention of diseases and as a support to other treatments in the daily practice of the professional
- Promote work strategies based on the integral approach of the patient as a reference model, not only focusing on the symptomatology of the specific pathology, but also looking at its interaction with the microbiota and how it may be influencing it
- Encourage professional stimulation through continuous learning and research





## Specific Objectives

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- Study the mechanisms by virtue of which Probiotics are postulated as preventive in the formation of dental caries and periodontal diseases
- Acquire an in-depth knowledge of all the oral and respiratory structure and the ecosystems that live in them, seeing how an alteration of these ecosystems has a direct relationship with many associated pathologies



*The interactive summaries of each topic will allow you to consolidate in a more dynamic way the concepts about the structure of the Microbiota and the Respiratory Tract”*

03

# Course Management

The teaching team of this Postgraduate Certificate is composed of professionals with vast experience in the field of Oral and Respiratory Microbiology. These specialists have worked in reference health institutions, where they have contributed to the recovery process of numerous patients with imbalances linked to the microbiota. In this way, they pour into the didactic materials both their solid knowledge and years of experience in this sector. Therefore, students will have access to a first-rate academic experience that will significantly optimize their regular clinical practice.





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*You will have access to a curriculum designed by a renowned faculty specialized in Human Microbiota, which will guarantee you a successful learning experience”*

## International Guest Director

Harry Sokol, M.D. is internationally recognized in the field of **Gastroenterology** for his research on **Intestinal Microbiota**. With more than 2 decades of experience, he has established himself as a **true scientific authority** thanks to his numerous studies on the role of **microorganisms in the human body** and their impact on **chronic inflammatory bowel diseases**. In particular, his work has revolutionized medical understanding of this organ, often referred to as the **“second brain.”**

Among Dr. Sokol's contributions, he and his team have opened a new line of advances on the bacterium *Faecalibacterium prausnitzii*. In turn, these studies have led to crucial discoveries about its **anti-inflammatory effects**, opening the door to **revolutionary treatments**.

In addition, the expert is distinguished by his **commitment to the dissemination of knowledge**, whether by teaching academic programs at the Sorbonne University or by publishing works such as the **comic book** *The Extraordinary Powers of the Belly*. His scientific publications appear continuously in **world-renowned journals** and he is invited to **specialized congresses**. At the same time, he carries out his clinical work at the **Saint-Antoine Hospital** (AP-HP/ University Hospital Federation IMPEC/Sorbonne University), one of the most renowned hospitals in Europe.

In addition, Dr. Sokol began his **medical studies** at the Paris Cité University, showing early on a strong interest in **health research**. A chance meeting with the eminent Professor Philippe Marteau led him to **Gastroenterology** and the enigmas of the **Intestinal Microbiota**. Throughout his career, he has also broadened his horizons by specializing in the United States, at Harvard University, where he shared experiences with **leading scientists**. Upon his return to France, he founded his **own team** where he investigates **Fecal Transplantation**, offering state-of-the-art therapeutic innovations.



## Dr. Sokol, Harry

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- Director of Microbiota, Gut and Inflammation at Sorbonne University, Paris, France
- Specialist Physician at the Gastroenterology Department of the Saint-Antoine Hospital (AP-HP), Paris, France
- Group Leader at the Institut Micalis (INRA)
- Coordinator of the Center of Microbiome Medicine of Paris FHU
- Founder of the pharmaceutical company Exliom Biosciences (Nextbiotix)
- President of the Fecal Microbiota Transplantation Group
- Medical Specialist in different hospitals in Paris
- PhD in Microbiology at the Université Paris-Sud
- Postdoctoral stay at the Massachusetts General Hospital, Harvard University Medical School
- Degree in Medicine, Hepatology and Gastroenterology at Université Paris Cité

“

*Thanks to TECH, you will be able to learn with the best professionals in the world"*

## Management



### Dr. Sánchez Romero, María Isabel

- ♦ Area Specialist in the Microbiology Service at the Puerta de Hierro Majadahonda University Hospital
- ♦ Doctor in Medicine and Surgery from the University of Salamanca
- ♦ Medical Specialist in Microbiology and Clinical Parasitology
- ♦ Member of the Spanish Society of Infectious Diseases and Clinical Microbiology
- ♦ Technical Secretary of the Madrid Society of Clinical Microbiology



### Ms. Fernández Montalvo, María Ángeles

- ♦ Head of Naintmed - Nutrition and Integrative Medicine
- ♦ Director of the Master's Degree in Human Microbiota at CEU University
- ♦ Parapharmacy Manager, Nutrition and Natural Medicine professional at Parafarmacia Natural Life
- ♦ Bachelor's Degree in Biochemistry from the University of Valencia
- ♦ Certified in Natural and Orthomolecular Medicine
- ♦ Postgraduate in Food, Nutrition and Cancer: Prevention and Treatment
- ♦ Master's Degree in Integrative Medicine from CEU University
- ♦ University Expert in Nutrition, Dietetics and Diet Therapy
- ♦ Expert in Vegetarian, Clinical, and Sports Nutrition
- ♦ Expert in the current use of Nutricosmetics and Nutraceuticals in general





### Dr. Alarcón Cavero, Teresa

- Biologist Specialist in Microbiology at La Princesa University Hospital
- Head of Group 52 of the Research Institute of the La Princesa Hospital
- Bachelor's Degree in Biological Sciences, specializing in Fundamental Biology from the Complutense University of Madrid
- Master's Degree in Medical Microbiology from the Complutense University of Madrid



### Dr. Muñoz Algarra, María

- Head of Patient Safety at the Microbiology Department at Puerta de Hierro Majadahonda University Hospital
- Area Specialist in the Microbiology Unit of Puerta de Hierro Majadahonda University Hospital, Madrid
- Collaborator in the Department of Preventive Medicine and Public Health and Microbiology at the Autonomous University of Madrid
- Doctor in Pharmacy from the Complutense University of Madrid



### Dr. López Dosil, Marcos

- ♦ Specialist in Microbiology and Parasitology at San Carlos Clinical University Hospital
- ♦ Specialist in Microbiology and Parasitology at the Móstoles Hospital
- ♦ Master's Degree in Infectious Diseases and Antimicrobial Treatment from the CEU Cardenal Herrera University
- ♦ Master's Degree in Tropical and Health Medicine from the Autonomous University of Madrid
- ♦ Expert in Tropical Medicine by the Autonomous University Madrid



### Mr. Anel Pedroche, Jorge

- ♦ Specialist in Microbiology Department of the Puerta de Hierro Majadahonda University Hospital
- ♦ Bachelor's Degree in Pharmacy from the Complutense University of Madrid
- ♦ Course in Interactive Sessions on Hospital Antibiotherapy by MSD
- ♦ Course on Infection Update in the Hematologic Patient by the Puerta de Hierro Hospital
- ♦ Attendance at the XXII Congress of the Spanish Society of Infectious Diseases and Clinical Microbiology



### **Dr. Portero Azorín, María Francisca**

- ♦ Acting Head of the Microbiology Department at the Puerta de Hierro Majadahonda University Hospital
- ♦ Specialist in Microbiology and Clinical Parasitology by the Puerta de Hierro University Hospital
- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Postgraduate degree in Clinical Management from the Gaspar Casal Foundation
- ♦ Research stay at the Presbyterian Hospital of Pittsburgh through a FISS grant

## **Professors**

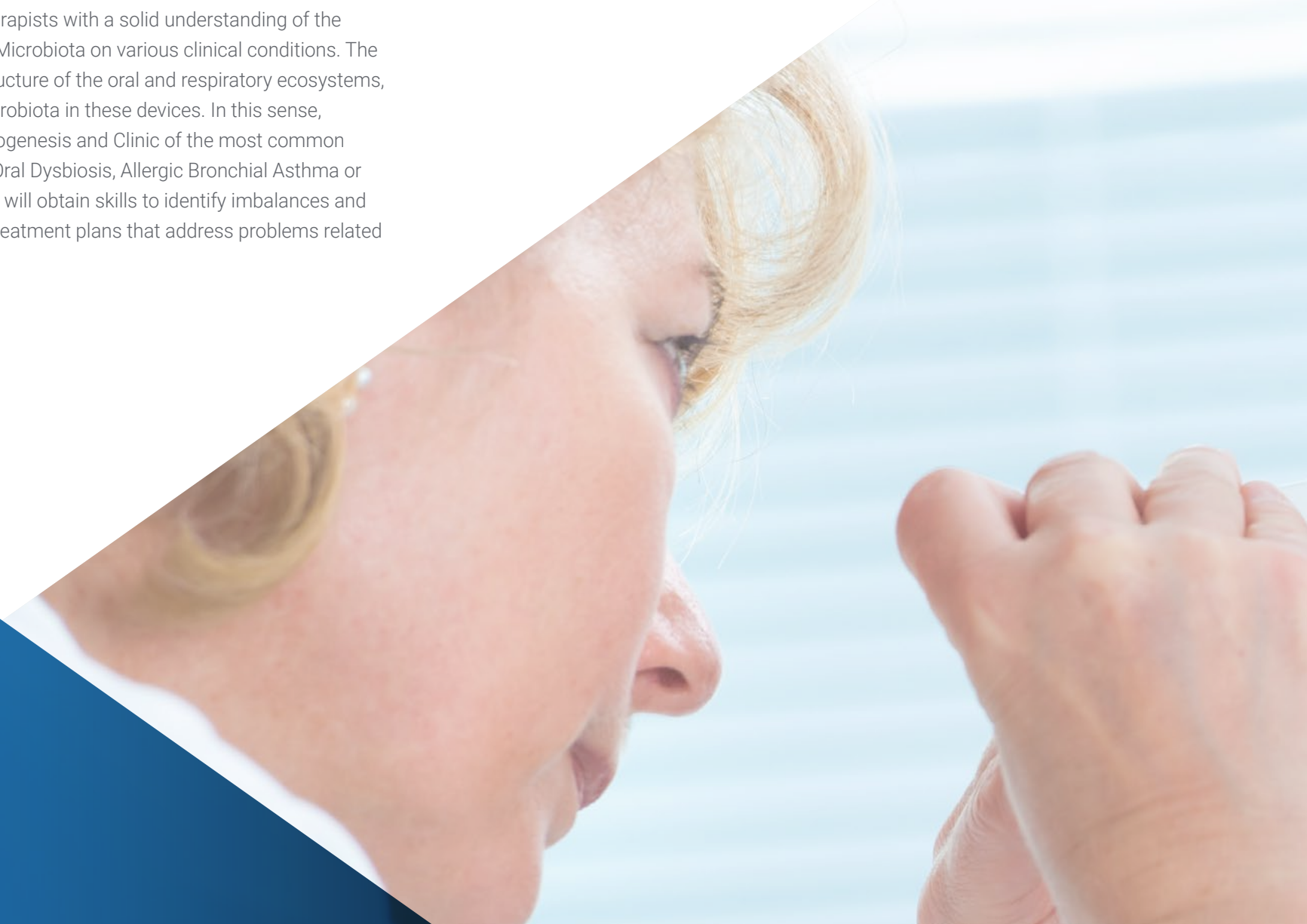
### **Dr. Verdú López, Patricia**

- ♦ Medical Specialist in Allergology at the Beata María Ana Hospital of Sisters Hospitals
- ♦ Medical Specialist in Allergology at Inmunomet Health and Integral Wellness Center
- ♦ Research doctor in Allergology at the San Carlos Hospital
- ♦ Medical Specialist in Allergology at the University Hospital Dr. Negrín in Las Palmas of Gran Canaria
- ♦ Degree in Medicine from the University of Oviedo
- ♦ Master's Degree in Aesthetic and Anti-Aging Medicine from the Complutense University of Madrid

# 04

## Structure and Content

This program will provide physiotherapists with a solid understanding of the impact of the Oral and Respiratory Microbiota on various clinical conditions. The curriculum will analyze both the structure of the oral and respiratory ecosystems, addressing the alteration of the microbiota in these devices. In this sense, the syllabus will delve into the Pathogenesis and Clinic of the most common infections or conditions (including Oral Dysbiosis, Allergic Bronchial Asthma or Rhinosinusitis). Therefore, students will obtain skills to identify imbalances and design specific physiotherapeutic treatment plans that address problems related to the Microbiota.

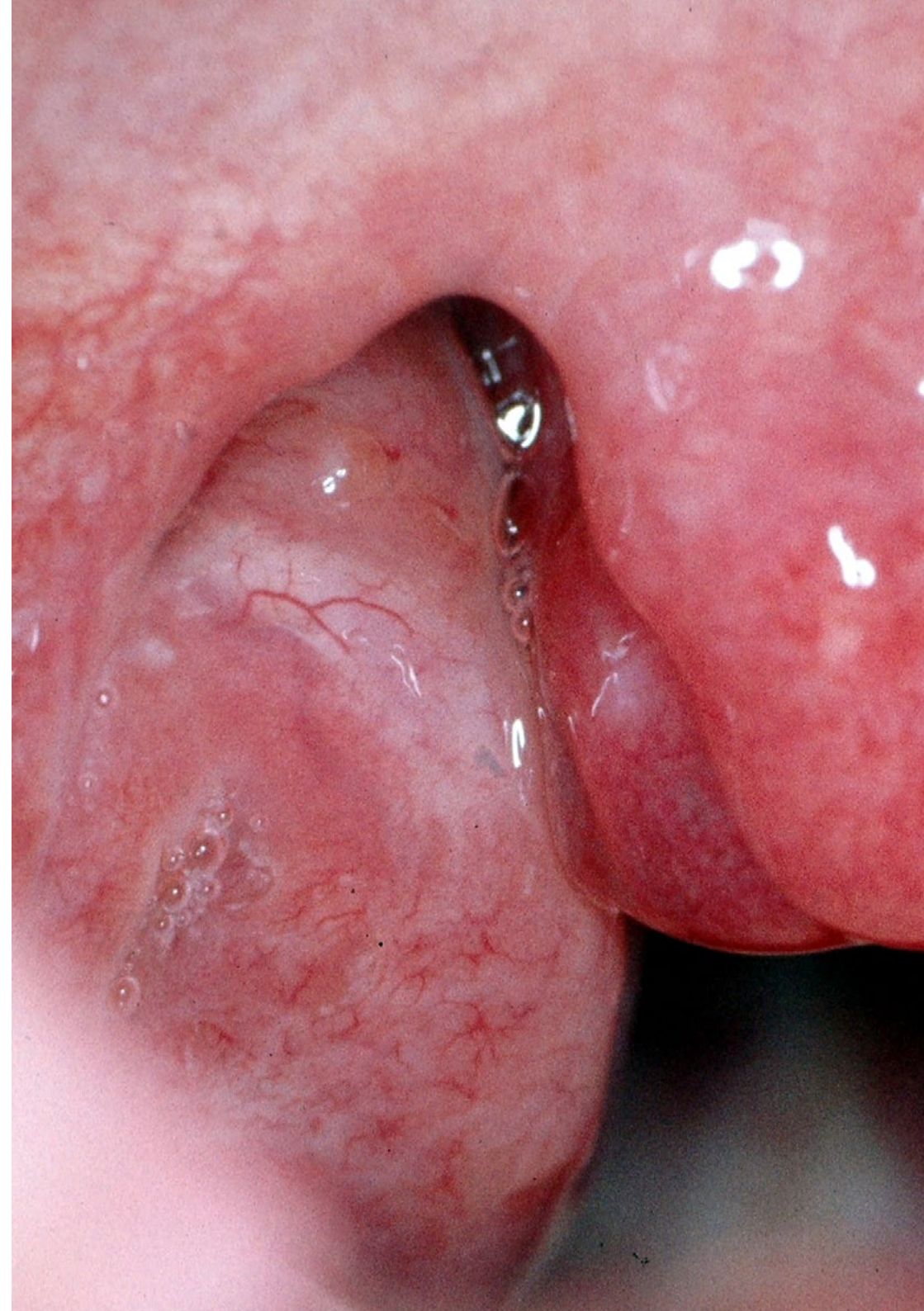


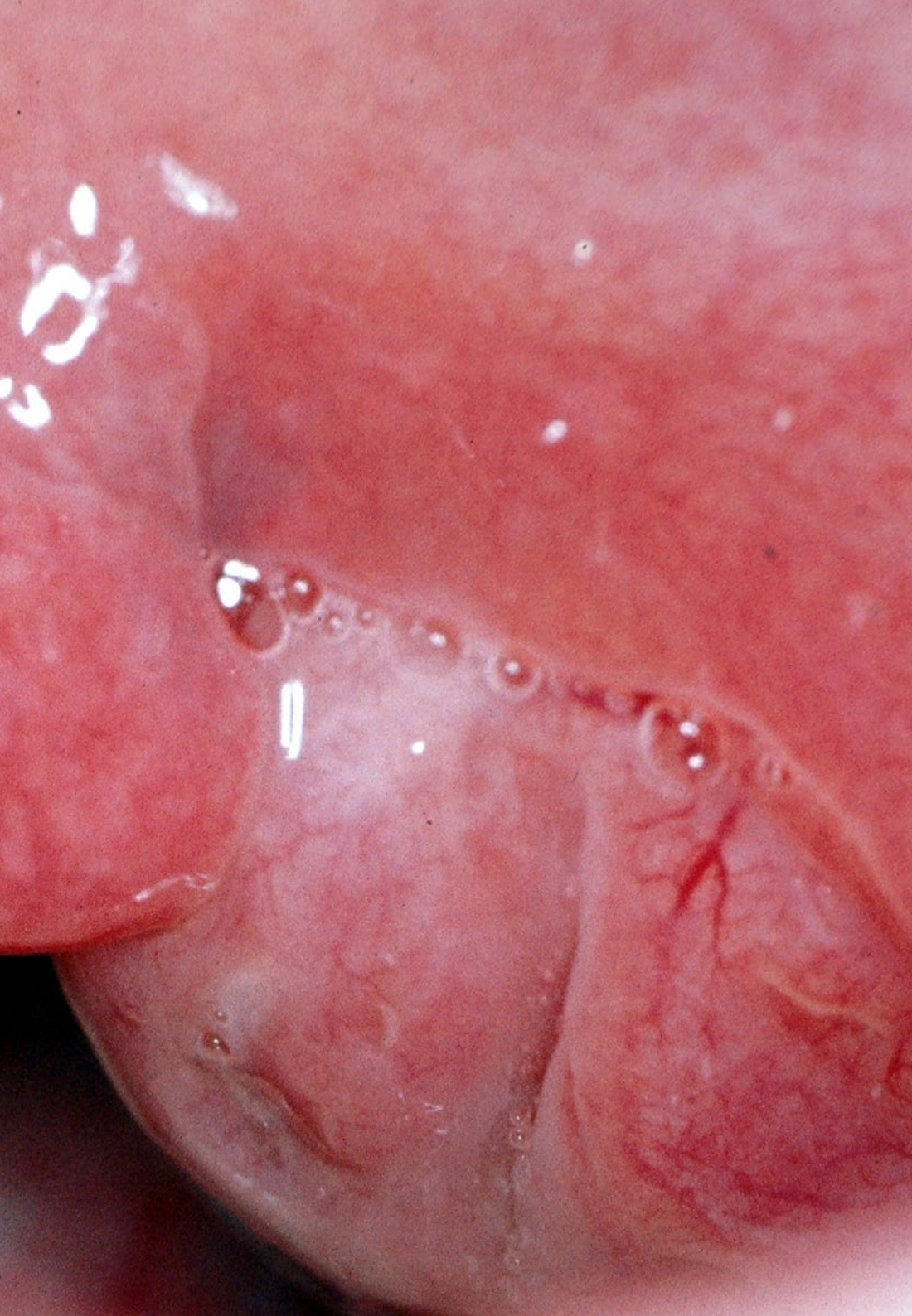
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*You will be able to identify imbalances in the Oral and Respiratory Microbiota that may contribute to musculoskeletal conditions”*

## Module 1. Oral Microbiota and Respiratory Tract

- 1.1. Structure and Oral Ecosystems
  - 1.1.1. Main Oral Ecosystems
  - 1.1.2. Key Points
- 1.2. Main Ecosystems that are Found in the Oral Cavity. Characteristics and Composition of Each of Them. Nostrils, Nasopharynx and Oropharynx
  - 1.2.1. Anatomical and Histological Features of the Oral Cavity
  - 1.2.2. Nostrils
  - 1.2.3. Nasopharynx and Oropharynx
- 1.3. Alterations of the Oral Microbial Ecosystem: Oral Dysbiosis. Relationship with Different Oral Disease States
  - 1.3.1. Characteristics of Oral Microbiota
  - 1.3.2. Oral Diseases
  - 1.3.3. Recommended Measures to Reduce Dysbiotic Processes
- 1.4. Influence of External Agents in Oral Eubiosis and Dysbiosis. Hygiene
  - 1.4.1. Influence of External Agents in Oral Eubiosis and Dysbiosis.
  - 1.4.2. Oral Symbiosis and Dysbiosis
  - 1.4.3. Predisposing Factors to Oral Dysbiosis
- 1.5. Structure of the Respiratory Tract and Composition of the Microbiota and Microbiome
  - 1.5.1. Upper Respiratory Tract
  - 1.5.2. Lower Respiratory Tract
- 1.6. Factors that Regulate the Respiratory Microbiota
  - 1.6.1. Metagenomics
  - 1.6.2. Hypothesis of Hygiene
  - 1.6.3. Viroma
  - 1.6.4. Microbiome or Fungiome
  - 1.6.5. Probiotics in Bronchial Asthma
  - 1.6.6. Diet
  - 1.6.7. Prebiotics
  - 1.6.8. Bacterial Translocation





- 1.7. Alteration of the Respiratory Tract Microbiota and its Relationship with Different Respiratory Tract Diseases
  - 1.7.1. Pathogenesis and Clinical Manifestations of Upper Respiratory Tract Infections
  - 1.7.2. Pathogenesis and Clinical Manifestations of Lower Respiratory Tract Infections
- 1.8. Therapeutic Manipulation of the Microbiome of the Oral Cavity in Prevention and Treatment of Related Diseases
  - 1.8.1. Definition of Probiotics, Prebiotics, and Symbiotics
  - 1.8.2. Application for Oral Cavity Probiotic
  - 1.8.3. Probiotic Strains Used in the Mouth
  - 1.8.4. Action in Relation to Oral Diseases
- 1.9. Therapeutic Manipulation of the Microbiome of the Respiratory Tract in Prevention and Treatment of Related Diseases
  - 1.9.1. Efficacy of Probiotics for the Treatment of Respiratory Tract Disease: GI-Respiratory Axis
  - 1.9.2. Use of Probiotics for the Treatment of Rhinosinusitis
  - 1.9.3. Use of Probiotics for the Treatment of Otitis
  - 1.9.4. Use of Probiotics for the Treatment of Upper Respiratory Infections
  - 1.9.5. Use of Probiotics in Rhinitis and Allergic Bronchial Asthma
  - 1.9.6. Probiotics to Prevent Lower Respiratory Tract Infections
  - 1.9.7. Studies with Lactobacilli
  - 1.9.8. Studies with Bifidobacteria
- 1.10. Current Lines of Research and Clinical Applications
  - 1.10.1. Transfer of Fecal Material
  - 1.10.2. Extraction of Nucleic Acids
  - 1.10.3. Sequencing Methods
  - 1.10.4. Strategies for Microbiota Characterization
  - 1.10.5. Metataxonomy
  - 1.10.6. Metataxonomy of the Active Fraction
  - 1.10.7. Metagenomics
  - 1.10.8. Metabolomics

# 05

# Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.





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*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”*

## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

## The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

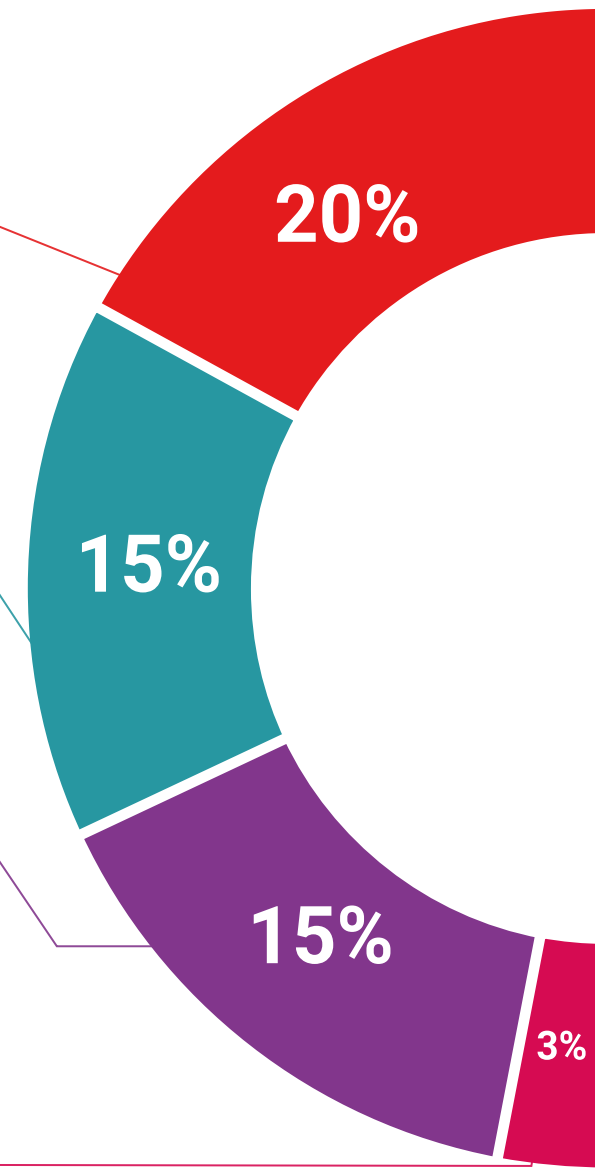
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

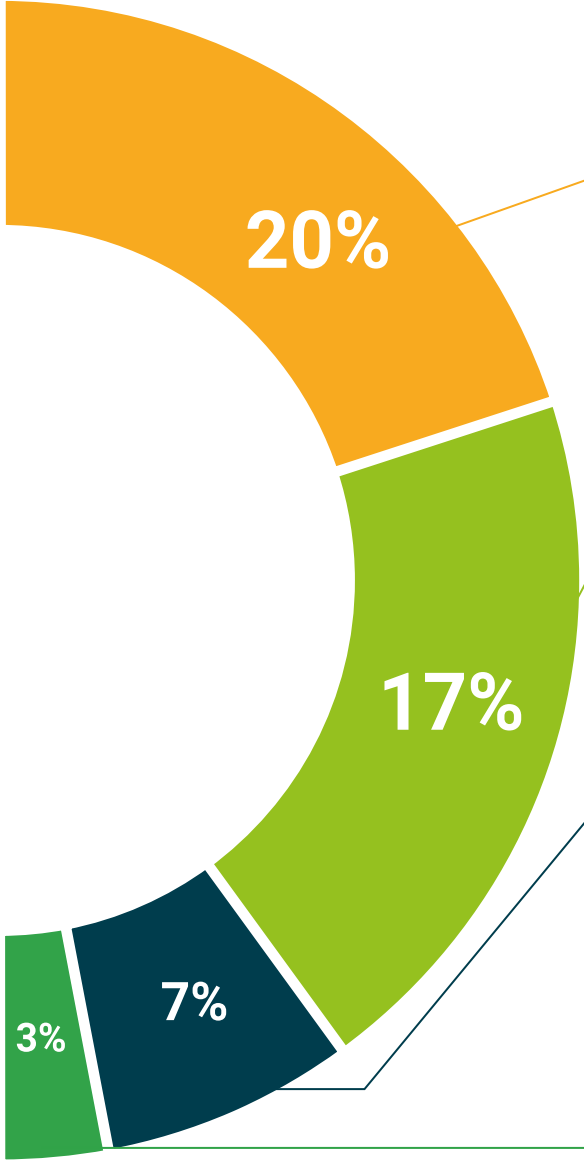


#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.







**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



**Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.  
Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.



**Quick Action Guides**

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Certificate in Oral and Respiratory Microbiota guarantees, in addition to the most accurate and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program  
and receive your university qualification  
without having to travel or fill out  
laborious paperwork”*

This private qualification will allow you to obtain a **Postgraduate Certificate in Oral and Respiratory Microbiota** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University**, is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Oral and Respiratory Microbiota**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development languages  
classroom



**Postgraduate Certificate**  
Oral and Respiratory  
Microbiota

- » Modality: online
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## Oral and Respiratory Microbiota