

# Postgraduate Certificate

## Thyroid and Breast Major Outpatient Surgery





## Postgraduate Certificate Thyroid and Breast Major Outpatient Surgery

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/thyroid-breast-major-outpatient-surgery](http://www.techtute.com/pk/medicine/postgraduate-certificate/thyroid-breast-major-outpatient-surgery)

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# 01

# Introduction

Thyroid and Breast Major Outpatient Surgery is a fundamental medical area, since it focuses on the pathologies of these glands, which are very common in the female population. That is why expanding knowledge in this area is essential to update and improve the skills of surgeons. The program is designed to provide students with the latest techniques and advances in patient selection criteria in Major Outpatient Surgery. In addition, it has an innovative and flexible teaching methodology, known as Relearning, which allows organizing the academic resources according to the student's preferences. All this is carried out 100% online, allowing participants to take the program from anywhere at any time.





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*With TECH you will get a direct and exhaustive vision of the latest advances in surgical techniques used by experts in the field”*

Thyroid and Breast Major Outpatient Surgery has become a key medical specialty in the diagnosis and treatment of pathologies related to these two endocrine glands. These pathologies are becoming more and more frequent, and a deep and up-to-date knowledge is required to address them effectively and with the most advanced techniques. In addition, those responsible for performing this type of practice must keep up-to-date with the latest scientific developments.

The Postgraduate Certificate focuses on providing surgeons with the necessary knowledge and skills to perform surgical interventions. In this way, they will be able to achieve effective results in these two areas, guaranteeing maximum safety in the management of patients. Students will learn patient selection techniques to the most modern surgical procedures, always with the highest scientific rigor and the latest evidence in the field.

In addition, this program has an innovative pedagogical methodology, based on Relearning, which allows students to learn in an autonomous and personalized way, adapting the pace of study to their needs and schedules. All this thanks to an online learning platform, which provides the student with a wide variety of multimedia and multichannel resources to facilitate access to information. In short, this Postgraduate Certificate offers high quality, up-to-date and flexible education, which will undoubtedly contribute to the professional development of surgeons interested in this field.

This **Postgraduate Certificate in Thyroid and Breast Major Outpatient Surgery** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ Practical cases presented by experts in Thyroid and Breast Major Outpatient Surgery
- ♦ The graphic, schematic, and practical contents which provide scientific and practical information on the disciplines that are essential 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 portable device with Internet connection



*Stand out in a booming sector with enormous potential and become a part of the global change based on excellence"*

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*This program will provide you with the necessary skills and knowledge to effectively manage surgery in the thyroid field”*

The program includes in its teaching staff professionals of the sector who bring to this program the experience of their work, as well as renowned specialists from reference societies and prestigious universities.

Its 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 an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*With TECH you will obtain an internationally recognized Postgraduate Certificate qualification.*

*Enroll to quickly gain access to the best jobs in the breast surgery sector.*

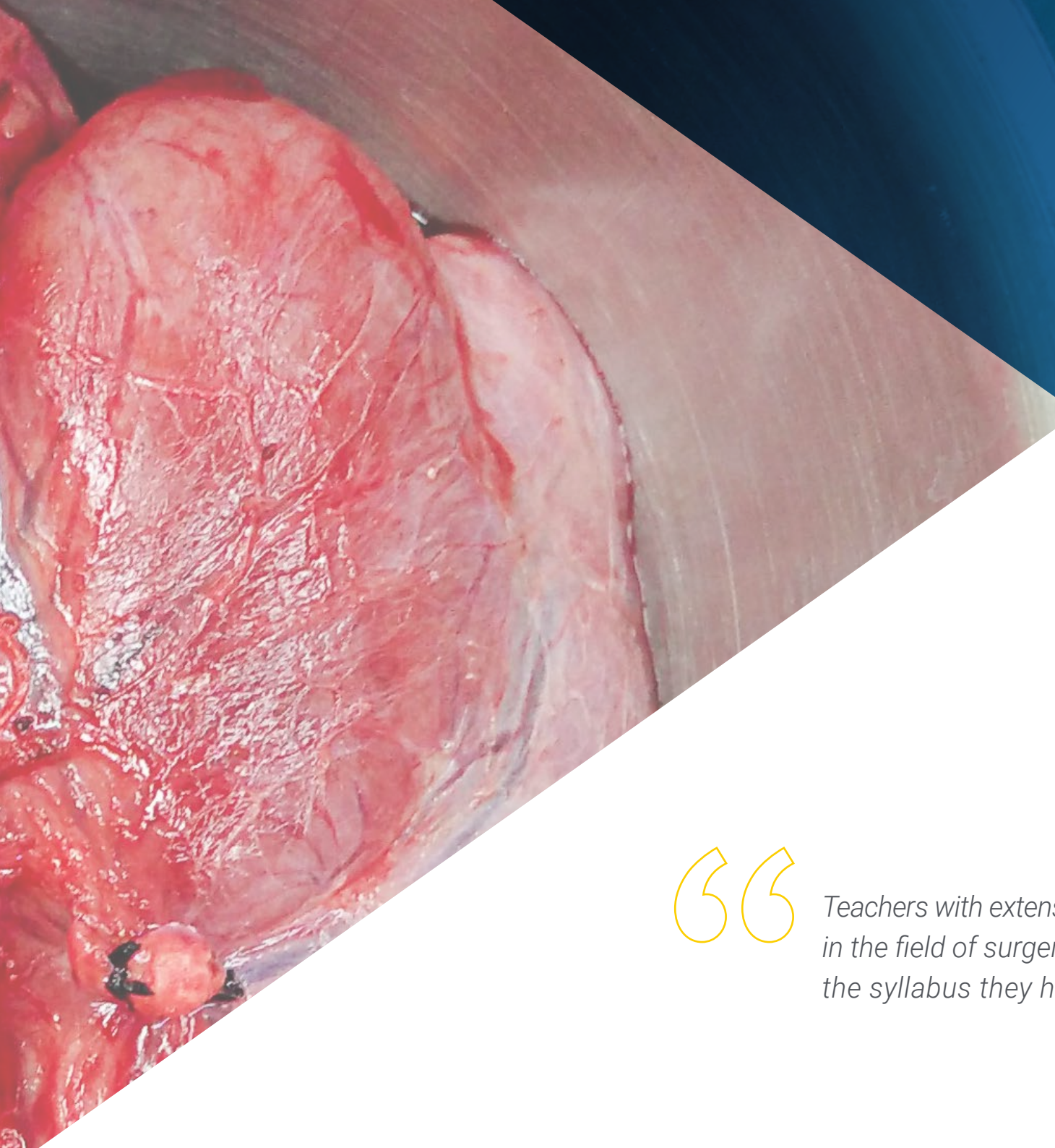


# 02 Objectives

The Postgraduate Certificate aims to provide medical professionals with the most up-to-date surgical techniques for performing major outpatient surgery in thyroid and breast pathologies. The syllabus is designed so that participants acquire comprehensive knowledge that will provide them with more skills in their work environments. In order to achieve this, the teaching staff is comprised of a multidisciplinary team of experts in Thyroid Nodule Diagnostic Management. Students will have access to innovative teaching resources and the most advanced technology in university programs. Therefore, TECH establishes a series of general and specific objectives for the satisfaction of the future graduate.







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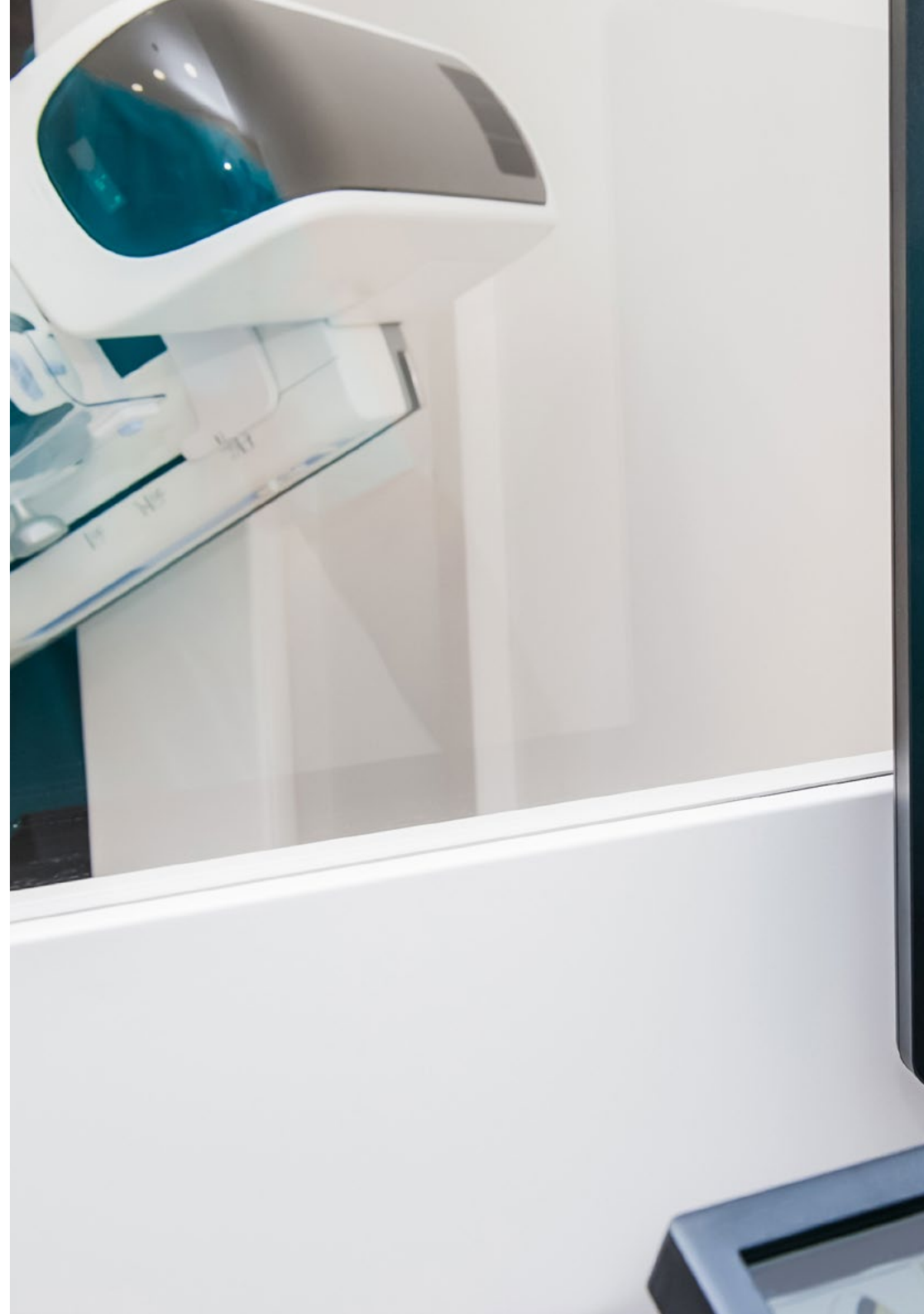
*Teachers with extensive clinical and research careers in the field of surgery are waiting to share with you the syllabus they have developed for you”*



## General Objectives

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- Delve into the different pathologies approached in Major Outpatient Surgery
- Delve into the anatomy and physiology necessary to understand the main procedures in Major Outpatient Surgery
- Delve deeper into the main surgeries in Major Outpatient Surgery
- Improve knowledge on the need for antibiotic prophylaxis in Major Outpatient Surgery
- Provide the tools to know how to manage the thromboembolic approach in Major Outpatient Surgery





## Specific Objectives

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- Master the management of the thyroid nodule
- Delve into the surgical technique of thyroidectomy and its complications
- Recognize the semiology of the most prevalent breast pathology
- Differentiate those breast pathology processes subsidiary to Major Outpatient Surgery



*Apply with TECH and get a high quality learning experience through a 100% online program designed to meet your learning needs”*



# 03

# Course Management

The management team and teaching staff of this Postgraduate Certificate program is composed of highly qualified experts in the specialty of General and Digestive and Thoracic Surgery. This team of multidisciplinary specialists has vast clinical and research experience, which is reflected in the complete syllabus of this program. As a result, the student will be able to acquire a complete and detailed perspective of the latest advances in surgical techniques employed by specialists with a great background in this area.



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*Here you will develop advanced surgical skills with the most modern and effective techniques in patient selection and care”*

## Management



### Dr. Palacios Sanabria, Jesús Enrique

- ♦ Specialist of General Surgery at the Basic General Hospital of Baza-Granada
- ♦ General Surgeon in the Bariatric and Metabolic Surgery team at the Canabal Clinic
- ♦ General Surgeon at the IDB Clinic in Barquisimeto
- ♦ Professor in the Minor Surgery Course at the Andalusian Health Service
- ♦ Medical Surgeon by the 'Lisandro Alvarado' Central Western University
- ♦ Specialist in General Surgery at the 'Lisandro Alvarado' Central Western University
- ♦ Master's Degree in General Surgery and Digestive System Updating



### Dr. Montes Martínez, Antonio

- ♦ Head of the Major Outpatient Surgery Section at Hospital del Mar
- ♦ Head of the Pain Unit of the Institut Ferrán de Reumatología at the Hospital Sanitas CIMA in Barcelona
- ♦ Attending Physician of the Pain Unit at the Hospital del Mar in Barcelona
- ♦ Doctor of Medicine, Autonomous University of Barcelona
- ♦ Degree in Medicine and Surgery from the Central University of Barcelona
- ♦ Specialist in Anesthesiology, Resuscitation and Pain Treatment at the Germans Trias i Pujol Hospital in Barcelona
- ♦ Co-author of several research articles related to the area of General Surgery



# 04

## Structure and Content

The syllabus of the Postgraduate Certificate in Thyroid and Breast Major Outpatient Surgery has been specially designed to provide medical specialists with the most up-to-date information. Therefore, the topics on surgical and diagnostic techniques in patients with thyroid and breast pathologies are under the highest scientific rigor and the latest evidence in the field. This multidisciplinary program counts on renowned specialists who guarantee the quality and excellence of the complete syllabus. Graduates will have access to innovative pedagogical resources that include multimedia and multichannel study materials, and flexibility to organize their academic items. All this, with the aim of enabling them to acquire skills and knowledge that will allow them to efficiently face the most frequent pathologies in these areas.



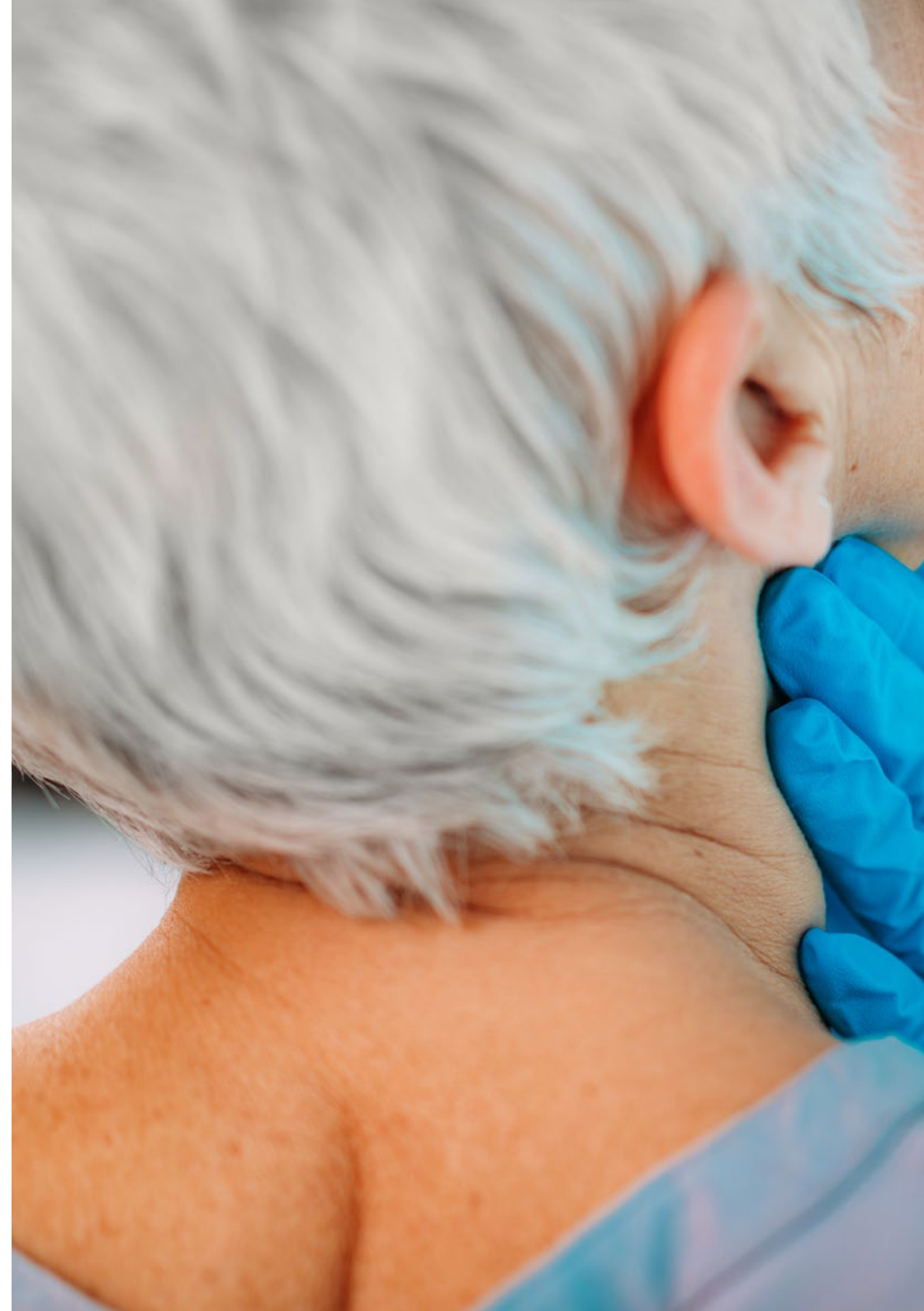


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*With TECH you will have access to a network of contacts that will connect you with students and teachers specialized in the subject of your interest”*

## Module 1. Breast and Endocrine Surgery

- 1.1. Diagnostic Management of Thyroid Nodule
  - 1.1.1. Initial Assessment
  - 1.1.2. Thyroid Ultrasound
  - 1.1.3. Cytological Assessment
  - 1.1.4. Therapeutic Decision
- 1.2. Multinodular Goiter
  - 1.2.1. Definition of Multinodular Goiter
  - 1.2.2. Epidemiology
  - 1.2.3. Pathogenesis
  - 1.2.4. Diagnosis
  - 1.2.5. Indications for Surgery
- 1.3. Surgical Technique of Thyroidectomy
  - 1.3.1. Anatomy of the Thyroid Gland
  - 1.3.2. Common Gestures
  - 1.3.3. Post-Operative
  - 1.3.4. Thyroid Procedures
- 1.4. Post-surgery Complications
  - 1.4.1. Hypoparathyroidism
  - 1.4.2. Injury of the Superior Laryngeal Nerve
  - 1.4.3. Recurrent Paralysis
  - 1.4.4. Asphyxial Hematoma
- 1.5. Hyperparathyroidism
  - 1.5.1. Primary Hyperparathyroidism
  - 1.5.2. Secondary Hyperparathyroidism
  - 1.5.3. Tertiary Hyperparathyroidism
  - 1.5.4. MEN Syndrome
- 1.6. Thyroid and Parathyroid Outpatient Surgery
  - 1.6.1. Criteria for Patient Selection in Major Outpatient Surgery
  - 1.6.2. Anesthetic and Surgical Technique
  - 1.6.3. Postoperative Period and its Complications
  - 1.6.4. Criteria for Discharge



- 1.7. Palpable Breast Nodule
  - 1.7.1. Anatomy of the Breast
  - 1.7.2. Physiology
  - 1.7.3. Medical History
  - 1.7.4. Management of the Patient with Palpable Nodule
- 1.8. Non-palpable Breast Lesions
  - 1.8.1. Definition
  - 1.8.2. Classification
  - 1.8.3. Attitude to Follow
  - 1.8.4. Prognosis
- 1.9. Nipple Secretion
  - 1.9.1. Types of Secretion
  - 1.9.2. Frequency (F)
  - 1.9.3. Diagnosis
  - 1.9.4. Treatment
- 1.10. Breast Pathology in Major Outpatient Surgery
  - 1.10.1. Surgeon Training in Breast Pathology
  - 1.10.2. Criteria of Patients Exclusion
  - 1.10.3. Selection of Procedures in Breast Pathology
  - 1.10.4. Complications of Breast Surgery

“*Don't wait any longer and implement new skills in your professional career*”

05

# Methodology

This academic program offers students a different way of learning. Our methodology follows a cyclical learning process: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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*Discover Relearning, a system that abandons conventional linear learning to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”*

## At TECH, we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a “case”, an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician’s professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.*

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.



## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*





At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*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.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### 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.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

The TECH team presents 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 and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically assess and re-assess students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in 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

This Postgraduate Certificate in Thyroid and Breast Major Outpatient Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Thyroid and Breast Major Outpatient Surgery** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Thyroid and Breast Major Outpatient Surgery**

Official N° of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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