

# Postgraduate Certificate

Uncommon Digestive Tumors.

Digestive Neuroendocrine Tumors.

Thyroid Cancer





## Postgraduate Certificate Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/uncommon-digestive-tumors-digestive-neuroendocrine-tumors-thyroid-cancer](http://www.techtute.com/us/medicine/postgraduate-certificate/uncommon-digestive-tumors-digestive-neuroendocrine-tumors-thyroid-cancer)

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Certificate

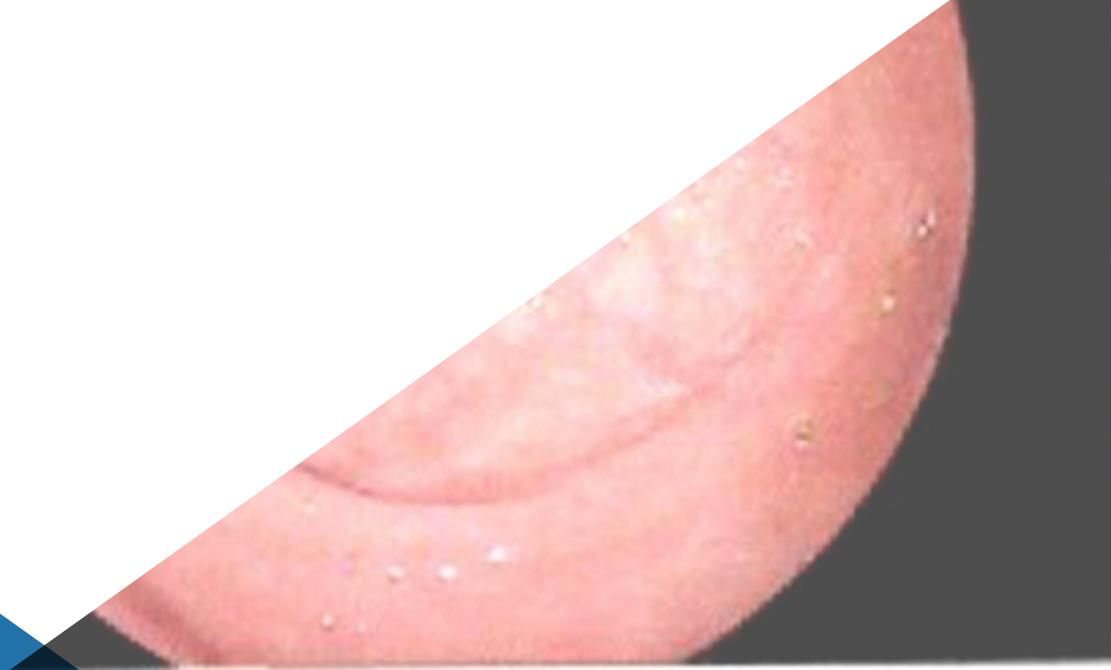
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01

# Introduction

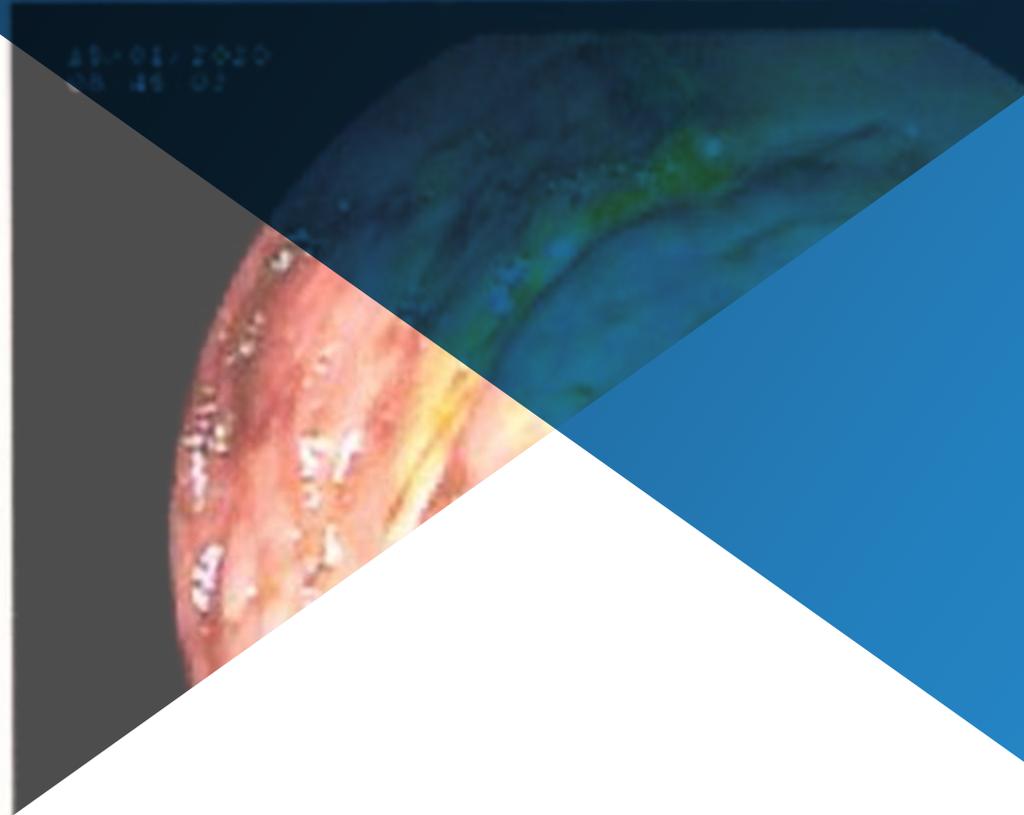
Rare tumors tend to have more difficulties when it comes to specific treatments, since, due to the lack of research, methods associated with similar neoplasms that have been extensively studied are often applied. If you want to specialize in the diagnosis and treatment of infrequent digestive tumors, digestive neuroendocrine and thyroid cancer, this is your University Course. Think no more and give your profession a boost.



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transverse col



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*The specialization of oncology professionals achieves improvements in the treatment of patients, so it is essential that they continue their specialization throughout their working life"*

on

Rare digestive tumors include a heterogeneous variety of pathologies with very different diagnostic, therapeutic and prognostic approaches. According to the World Health Organization classification, the following tumors are included in this category: small bowel, Tumours appendicular, anal canal carcinoma, liver and intrahepatic bile duct tumors, gallbladder and extrahepatic bile duct neoplasms, and gastrointestinal stromal tumors.

In many cases, in the absence of clinical trials due to the small number of patients, therapeutic management is usually based on the extrapolation of existing data for neoplasms of similar location and higher frequency, as is the case with small bowel and colon cancer. However, more and more frequently, the molecular approach allows for effective treatment with targeted therapies, such as in the case of GIST (gastrointestinal stromal tumors) or more recently bile duct carcinomas. In this Postgraduate Certificate there is a deep and exhaustive review of these subgroups of neoplasms, which will allow the student to handle a deep knowledge about this pathology.

On the other hand, this specialization also includes two other areas of knowledge: thyroid cancer and neuroendocrine tumors. Thyroid cancer is rare, accounting for less than 1% of all malignant tumors. Whereas neuroendocrine tumors constitute a heterogeneous group of tumors that are defined as epithelial neoplasms with predominantly neuroendocrine differentiation. Although the most frequent locations are the pancreas, digestive tract and lung, this type of neoplasm can arise in practically any organ of the body.

In this program, the experts, all of them referents in each area of knowledge, will develop aspects related to the context of this spectrum of pathologies, will present the clinical and molecular vision of the same, will show their diagnostic and therapeutic approaches and will explain complementary aspects such as their research and institutional environment or the global reality of the patients who suffer from them.

Students will be able to take the Postgraduate Certificate at their own pace, without being subject to fixed schedules or the travel involved in classroom training, so they will be able to combine it with the rest of their daily obligations.

The **Postgraduate Certificate in Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer** contains the most complete and up-to-date educational program on the market. The most important features of the specialization are:

- » The development of case studies presented by experts in oncology
- » The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- » News on rare digestive tumors, digestive neuroendocrine tumors and thyroid cancer
- » Practical exercises where self-assessment can be used to improve learning.
- » Special emphasis on innovative methodologies in the approach of this type of tumors
- » 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



*Learn about the latest developments in this type of pathologies and you will notice how you advance in your daily work"*

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*This Postgraduate Certificate is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge, you will obtain a qualification endorsed by the main online university in Spanish: TECH”*

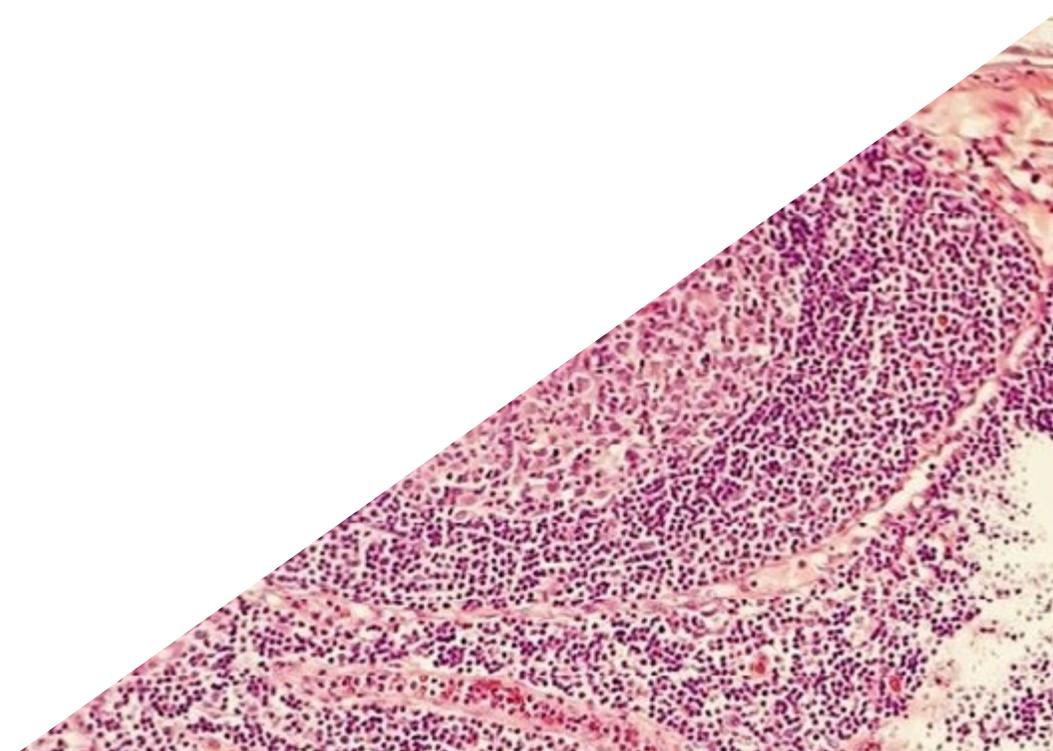
Its teaching staff includes professionals belonging to the field of psychology, who bring to this specialization the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

Its Multimedia Content, elaborated with the latest Educational Technology, will allow the Professional a situated and contextual learning, that is to say, a Simulated Environment that will provide an immersive specialization programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the specialist must try to solve the different professional practice situations that arise during the academic year. To do so, the professional will be assisted by a novel interactive video system developed by renowned and experienced experts in rare digestive tumors, neuroendocrine tumors and thyroid cancer.

*This specialisation comes with the best didactic material, providing you with a contextual approach that will facilitate your learning*

*This Postgraduate Certificate 100% online course will allow you to combine your studies with your professional work while increasing your knowledge in this field*



# 02 Objectives

The **Postgraduate Certificate in Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer** is aimed at facilitating the medical professional's performance with the latest advances and most innovative treatments in the sector.



A close-up photograph of a person's hands, likely a woman, holding a silver chain. The hands are positioned in the upper left quadrant of the page, with the fingers gently gripping the chain. The background is a soft, out-of-focus pinkish-purple fabric. The overall composition is clean and professional, with a focus on the tactile nature of the chain.

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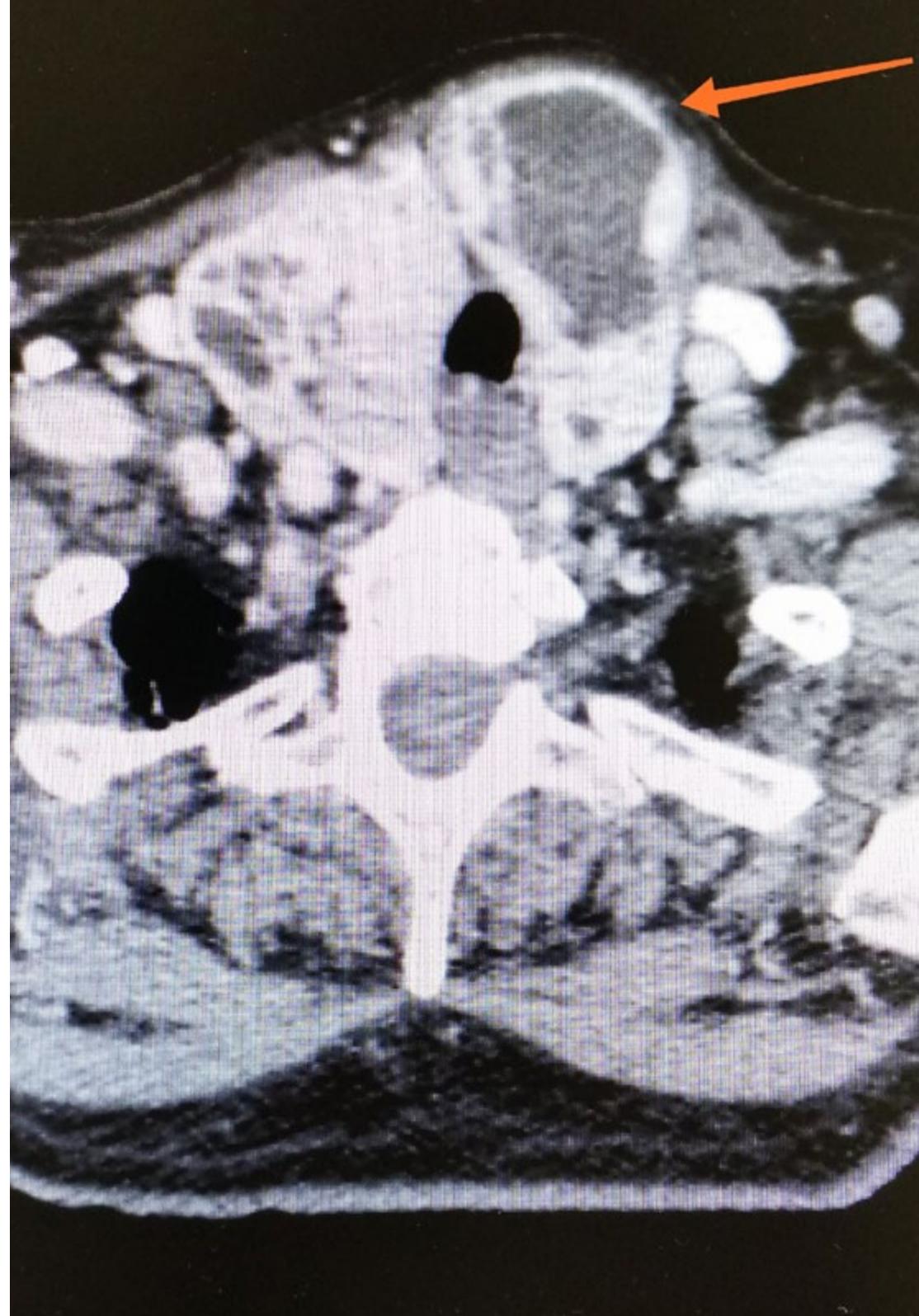
*Our goal is to achieve academic excellence and help you achieve professional success”*



## General Objectives

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- » Acquire concepts and knowledge regarding the epidemiology, clinical, diagnosis and treatment of infrequent tumors, agnostic diagnoses and cancers of unknown origin
- » Know how to apply the diagnostic algorithms and evaluate the prognosis of this pathology
- » Be able to integrate knowledge and face the complexity of formulating clinical and diagnostic judgments based on the available clinical information
- » Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the area of study
- » Know how to establish complex therapeutic plans in the context of the pathology in question Have a deeper knowledge of specific treatment networks, reference centers, clinical trials
- » Incorporate new technologies into daily practice, knowing their advances, limitations and future potential
- » Acquire knowledge about molecular biology tools for the study of these tumors
- » Have thorough knowledge and use of Tumor Registries
- » Know and use the face-to-face or virtual Molecular Committees
- » Understand fundamental aspects of biobank operation
- » Specialize in interprofessional relationship tools for the treatment of orphan, agnostic and cancer of unknown origin and to access expert networks in the different pathology groups





## Specific Objectives

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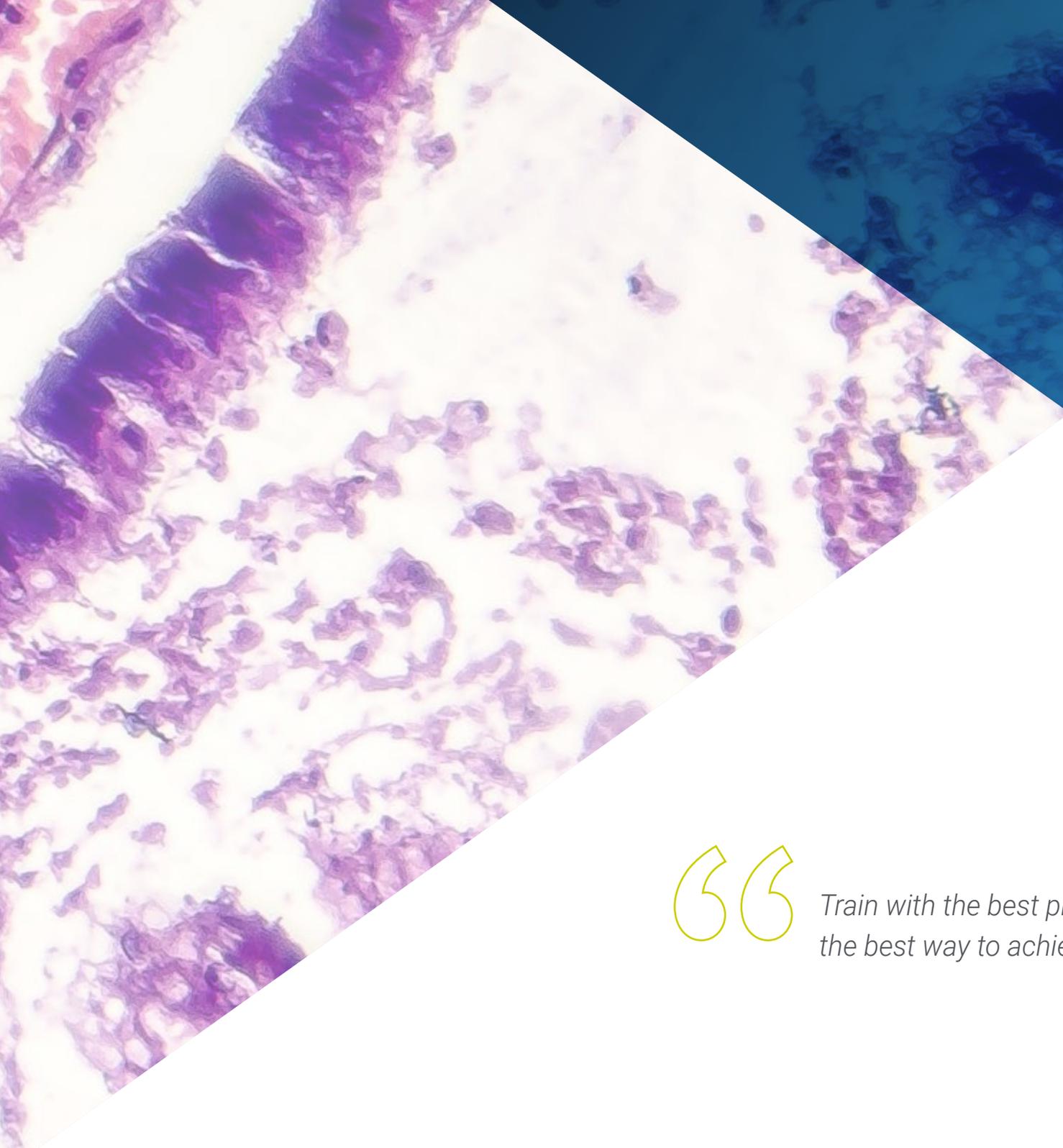
- » Know how to apply knowledge to solve clinical and research problems in the area of rare pathology
  - » Know how to communicate conclusions, knowledge, and supporting arguments to specialized and non-specialized audiences in a clear and unambiguous way
  - » Acquire the learning skills to enable further studying in a largely selfdirected or autonomous manner
  - » Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
  - » Understand the social responsibility due to rare diseases
- » In-depth knowledge of a heterogeneous group of pathologies with very different diagnostic, therapeutic and prognostic approaches, including: small bowel tumors, appendicular tumors, anal canal carcinoma, liver and intrahepatic bile duct tumors, gallbladder and extrahepatic bile duct neoplasms, and gastrointestinal stromal tumors.
  - » Acquire skills in the molecular approach to enable effective treatment with targeted therapies, such as GIST (gastrointestinal stromal tumors) or more recently biliary tract carcinomas.
  - » Study thyroid cancer and neuroendocrine tumors Acquire the ability to diagnose and treat this group of neoplasms
  - » Specialize in neuroendocrine tumors and acquire competence in their approach in the context of the multidisciplinary team

03

# Course Management

The program's teaching staff includes leading experts in oncology who contribute their vast work experience to this specialization program. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.



A microscopic image of biological tissue, likely a cross-section of a blood vessel or similar structure, showing a central lumen lined by a thick, multi-layered wall. The surrounding tissue is densely packed with cells, stained in shades of purple and pink. The image is positioned on the left side of the slide, partially overlapping a blue diagonal graphic element.

“

*Train with the best professionals in the sector It is the best way to achieve excellence”*

## Management



### Dr. Beato, Carmen

- ♦ Medical Oncologist at University Hospital Virgen Macarena. Unit of Urological Tumors, Infrequent and of Unknown Origin
- ♦ Expert in Immuno-Oncology
- ♦ Master's Degree in Palliative Care
- ♦ Expert in Clinical Trials
- ♦ Member of the Spanish Group on Orphan and Infrequent Tumors (GETHI)
- ♦ Secretary Spanish Group for Cancer of Unknown Origin (GECOD)

## Coordinators

### Dr. Fernández Pérez, Isaura

- » Oncologist Breast, Gynecologic, Gynecologic, Cancer of Unknown Origin and Central Nervous System Unit. University Hospital Complex in Vigo-Hospital Álvaro Cunqueiro
- » Member of the Spanish Group for Cancer of Unknown Origin (GECOD)

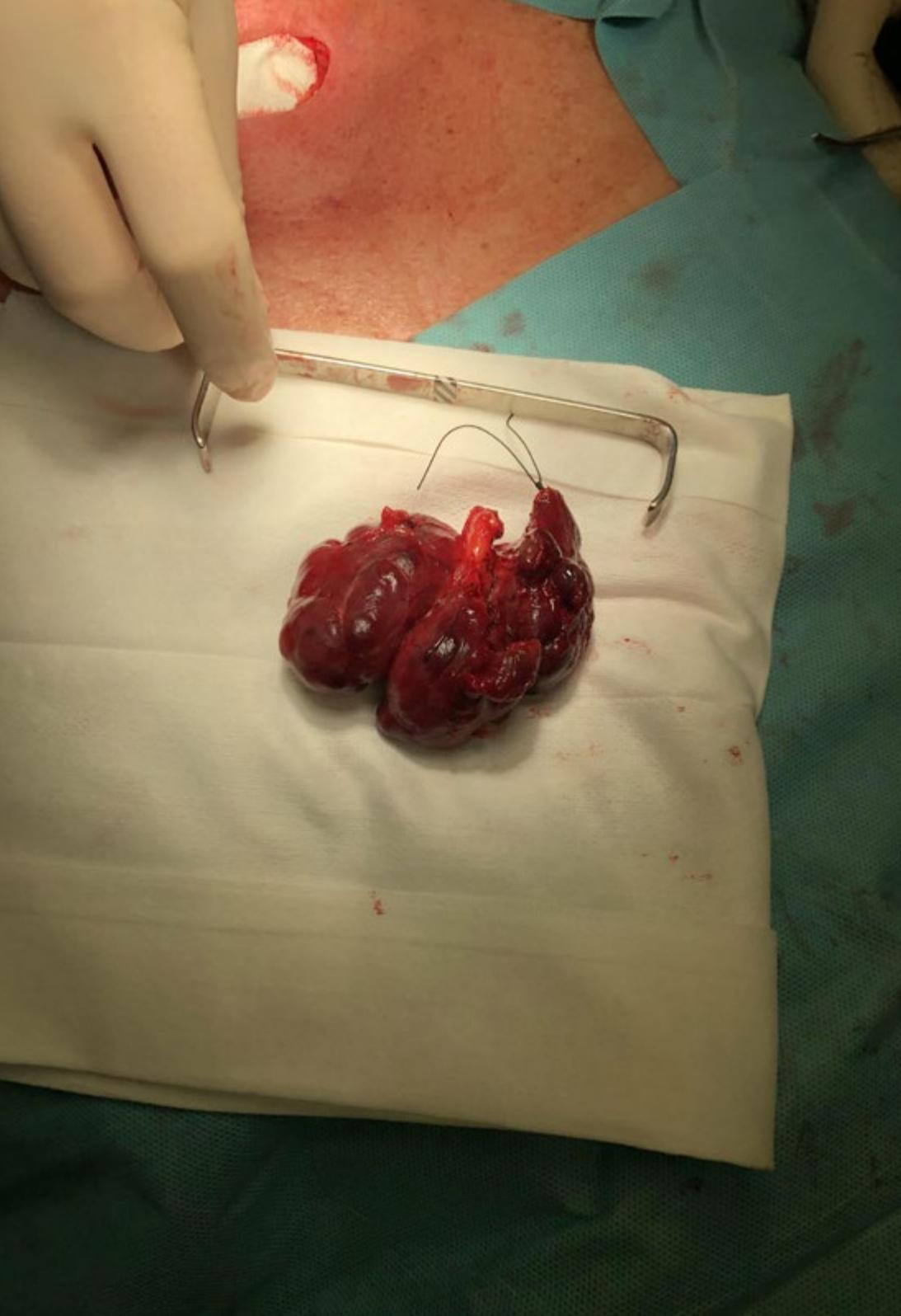
### Dr. García-Donas Jiménez, Jesús

- » Oncologist Urological, Gynecological and Dermatological Tumors Unit.
- » Director of the Translational Oncology Laboratory
- » Expert in Immuno-Oncology
- » Clara Campal Comprehensive Oncology Center
- » Treasurer of the Spanish Group of Orphan and Infrequent Tumors (GETHI)

## Professors

### Dr. Reina Zoilo, Juan José

- » Oncologist Digestive and Neuroendocrine Tumors Unit. Virgen Macarena University Hospital



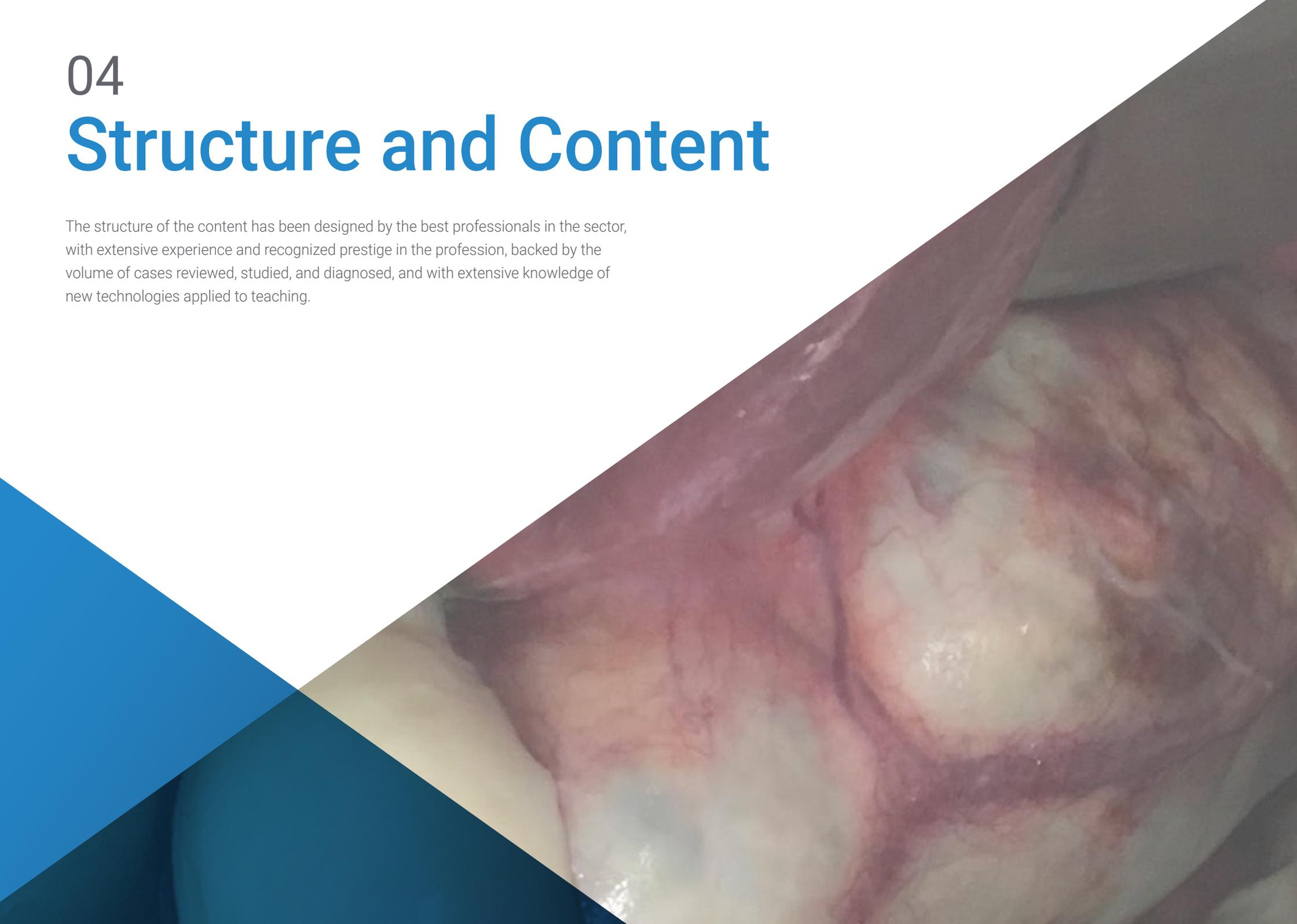
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*The best teachers are at the best university. Think no more and Specialize in with us”*

# 04

# Structure and Content

The structure of the content has been designed by the best professionals in the sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to teaching.





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*This program contains the most complete and up-to-date scientific program on the market. We have selected the best information to put it at your fingertips”*

## Module 1. Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer.

- 1.1. Small Intestine Tumors Appendicular Tumors
    - 1.1.1. Small Intestine Tumors
      - 1.1.1.1. Epidemiology Risk factors
      - 1.1.1.2. Pathogenesis, Molecular Profile and Hereditary Syndromes.
      - 1.1.1.3. Clinical Characteristics. Histological Subtypes
      - 1.1.1.4. Diagnosis and Staging Prognosis
      - 1.1.1.5. Localized Disease Treatment Monitoring
      - 1.1.1.6. Metastatic Disease Treatment
    - 1.1.2. Appendicular Tumors
      - 1.1.2.1. Epidemiology
      - 1.1.2.2. Histology Staging.
      - 1.1.2.3. Clinical Presentation Microbiological
      - 1.1.2.4. Localized Disease Treatment
      - 1.1.2.5. Metastatic Disease Treatment
      - 1.1.2.6. Pseudomyxoma Peritonei
  - 1.2. Cancer of the Anal Canal
    - 1.2.1. Epidemiology Risk factors
    - 1.2.2. HPV, Genotypes Molecular Pathogenesis
    - 1.2.3. Pathological Anatomy Staging.
    - 1.2.4. Clinical Presentation Microbiological
    - 1.2.5. Localized Disease Treatment Monitoring
    - 1.2.6. Metastatic Disease Treatment. Immunotherapy
  - 1.3. Tumors of the Liver and Intrahepatic Bile Ducts Neoplasms of the Gallbladder and Extrahepatic Bile Ducts
    - 1.3.1. Hepatocellular Carcinoma
      - 1.3.1.1. Epidemiological Aspects
      - 1.3.1.2. Diagnostic Process
      - 1.3.1.3. Staging
      - 1.3.1.4. Local Disease Management: Transplantation Vs. Resection
      - 1.3.1.5. Local Disease Management: Ablative Techniques
      - 1.3.1.6. Management of Locally Advanced Disease
        - 1.3.1.6.1. Radioembolization
        - 1.3.1.6.2. Transarterial Chemoembolization
        - 1.3.1.6.3. Radiotherapy
      - 1.3.1.7. Metastatic Disease Treatment
  - 1.3.2. Biliary Tract Tumours
    - 1.3.2.1. Characterization of the Three Entities that Make Up the Group
    - 1.3.2.2. Epidemiological Aspects
    - 1.3.2.3. Risk factors
    - 1.3.2.4. Clinical Expressivity
    - 1.3.2.5. Diagnostic Aspects
    - 1.3.2.6. Unresectability Criteria
    - 1.3.2.7. Histological Aspects
    - 1.3.2.8. Molecular Aspects. Molecular Classification
    - 1.3.2.9. Genomic Alterations Described
    - 1.3.2.10. Localized Disease Treatment
      - 1.3.2.10.1. Surgery
      - 1.3.2.10.2. Adjuvant Criteria
      - 1.3.2.10.3. Monitoring
    - 1.3.2.11. Advanced Disease Treatment
      - 1.3.2.11.1. Treatment of Locally Advanced Disease
      - 1.3.2.11.2. Metastatic Disease Treatment
    - 1.3.2.12. Monitoring
- 1.4. Gastrointestinal Stromal Tumours
  - 1.4.1. Clinical Aspects and Epidemiology
  - 1.4.2. Diagnostic Processes of GIST
    - 1.4.2.1. Radiology
    - 1.4.2.2. Histology
    - 1.4.2.3. Molecular Biology

- 1.4.3. Localized Disease Treatment
  - 1.4.3.1. Surgical Aspects
  - 1.4.3.2. Prognostic Factors after Resection
  - 1.4.3.3. Adjuvant Treatment
  - 1.4.3.4. Neoadjuvant Therapy
- 1.4.4. Advanced Disease Treatment
  - 1.4.4.1. Surgery in the Context of Advanced Disease
  - 1.4.4.2. Systemic Treatment
  - 1.4.4.3. Monitoring
- 1.5. Neuroendocrine Tumors Small Intestine Tumors
  - 1.5.1. Epidemiology
  - 1.5.2. Pathological Anatomy Histological Grade Ki67 and Mitotic Index
  - 1.5.3. Molecular Factors Bio markers
  - 1.5.4. Clinical Presentation Carcinoid syndrome
  - 1.5.5. Diagnosis and Staging Prognosis
  - 1.5.6. Localized Disease Treatment Monitoring
  - 1.5.7. Metastatic Disease Treatment. Treatment of Hormonal Hypersecretion
- 1.6. Neuroendocrine Tumors Pancreatic Tumors
  - 1.6.1. Epidemiology
  - 1.6.2. Pathological Anatomy Histological Grade
  - 1.6.3. Molecular Factors Bio markers
  - 1.6.4. Clinical Presentation Carcinoid syndrome
  - 1.6.5. Diagnosis and Staging Prognosis
  - 1.6.6. Localized Disease Treatment Monitoring
  - 1.6.7. Metastatic Disease Treatment. Treatment of Hormonal Hypersecretion Syndrome
  - 1.6.8. Advanced Line Treatment
- 1.7. Thyroid Cancer
  - 1.7.1. Introduction
  - 1.7.2. Incidence and Epidemiology
  - 1.7.3. Clinical Aspects and Diagnosis
  - 1.7.4. General Aspects of Treatment
  - 1.7.5. Guidelines Recommendations and Level of Evidence

- 1.8. Differentiated Thyroid Cancer
  - 1.8.1. Diagnostic, Pathological Anatomy and Molecular Biology
  - 1.8.2. Staging and Evaluation of Risks
  - 1.8.3. Management of Primary Tumor
  - 1.8.4. Management of Advanced Disease
  - 1.8.5. Follow-up and Long-term Survivors
- 1.9. Anaplastic Thyroid Cancer
  - 1.9.1. Diagnostic, Pathological Anatomy and Molecular Biology
  - 1.9.2. Staging and Evaluation of Risks
  - 1.9.3. Management of Primary Tumor
  - 1.9.4. Management of Advanced Disease
  - 1.9.5. Follow-up and Long-term Survivors
- 1.10. Medullary Thyroid Cancer
  - 1.10.1. Diagnostic, Pathological Anatomy and Molecular Biology
  - 1.10.2. Staging and Evaluation of Risks
  - 1.10.3. Management of Primary Tumor
  - 1.10.4. Management of Advanced Disease
  - 1.10.5. Follow-up and Long-term Survivors



*This specialization will allow you to advance your career in a comfortable way"*

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.



“

*Discover Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

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



According to Dr. Gervas, 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.



*The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

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.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

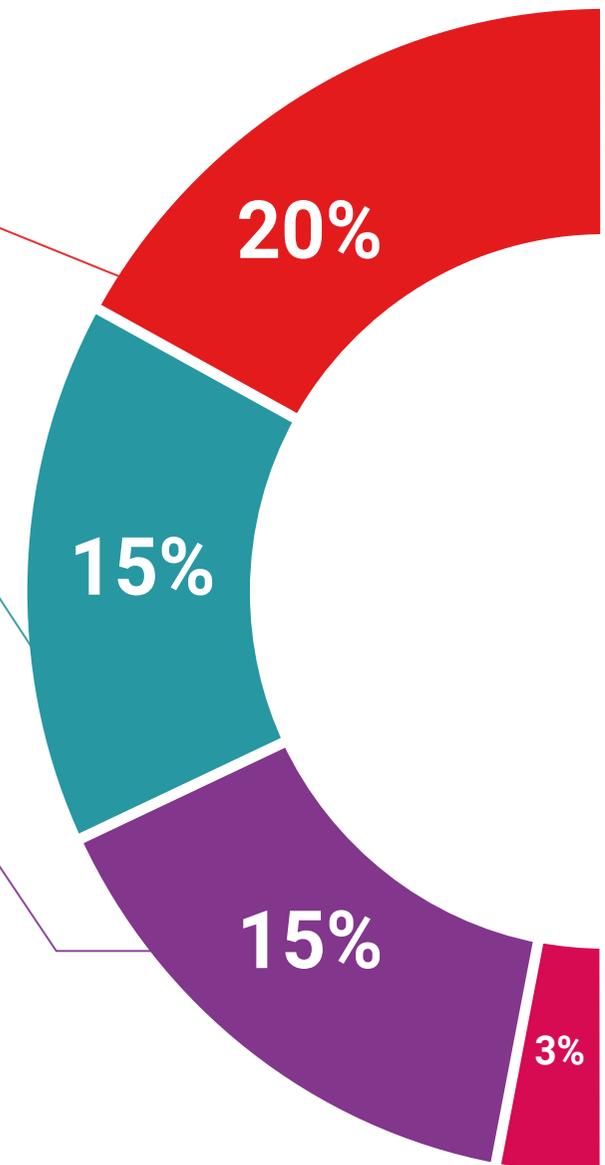
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system 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 training.





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

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



#### 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 in our future difficult decisions.



#### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.





*Add to your CV a Postgraduate Certificate in Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer and become a highly competitive professional"*

This program will allow you to obtain your **Postgraduate Certificate in Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer** 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** title 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 Uncommon Digestive Tumors. Digestive Neuroendocrine Tumors. Thyroid Cancer**

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 language  
virtual classroom



**Postgraduate Certificate**  
Uncommon Digestive  
Tumors. Digestive  
Neuroendocrine Tumors.  
Thyroid Cancer

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

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