

# Postgraduate Certificate

Uncommon Gynecologic Tumors.  
Rare Breast Tumors. Genitourinary  
Oncology of Uncommon Tumors





## Postgraduate Certificate

Uncommon Gynecologic  
Tumors. Rare Breast  
Tumors. Oncology  
Genitourinary of  
Uncommon Tumors

- » 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-gynecologic-tumors-rare-breast-tumors-oncology-genitourinary-uncommon-tumors](http://www.techtute.com/us/medicine/postgraduate-certificate/uncommon-gynecologic-tumors-rare-breast-tumors-oncology-genitourinary-uncommon-tumors)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

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*p. 28*

# 01

# Introduction

There are gynecological, genitourinary and breast tumors that, being so infrequent, have been little studied, making it more complex to find an effective diagnosis, and even to be diagnosed correctly. It is therefore necessary for oncologists to specialize in these lesser-known tumors in order to achieve greater advances in their patients and contribute to scientific research in this field. These tumors may be rare because of their location, such as carcinoma of the penis, or they may be rare because they show an atypical histology in the context of the location in which they arise, for example, neuroendocrine tumors of the prostate. Those of gynecological origin pose a challenge for the specialist while breast cancer is the most frequently diagnosed tumor. This is why TECH proposes this program in order for the professional to specialize within the sector.





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*Prepare yourself to be able to diagnose rare tumors in the gynecology and be more effective in the treatments prescribed to your patients, improving their quality of life"*

Urological neoplasms are, in themselves, an uncommon group of tumors. They constitute 11% of those affecting men and 3% of those occurring in women. These tumors may be rare because of their location, such as penile carcinoma, with an incidence of 0.6/100,000 persons/year; or they may be rare because they show an atypical histology in the context of the location in which they occur, for example, neuroendocrine tumors of the prostate. They all have, however, one thing in common: they are orphans. This means that there is little evidence on the best way to treat them. Clinical guidelines rarely allude to these situations and, when they do, they advise inclusion of the patient in a clinical trial.

On the other hand, rare tumors of gynecologic origin often pose challenges for the specialist, who only deals with them on rare occasions, hence the need to stay up to date and stay familiar with the management of these pathologies.

Finally, breast cancer is the most frequently diagnosed tumor in women; however, it is important to bear in mind that this breast pathology comprises a very heterogeneous group of pathologies, not all as common as invasive ductal carcinoma or invasive lobular carcinoma, which represent around 80% of breast cancers and, consequently, are not always easy to diagnose, treat or prognosticate. At present, treatment must be individualized, assessing both the clinical stage and the biological characteristics of the tumor, as well as prognostic and predictive factors of response, and, to achieve this, interdisciplinary study and the pooling of continuous advances in research are essential.

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. In this way, a global vision is offered, as well as a specific one, of this type of pathologies, with the objective of specializing you for professional success.

Students will be able to complete the program at their own pace, without being subject to fixed schedules or the travel involved in classroom teaching, so they can combine it with the rest of their daily obligations.

This **Postgraduate Certificate in Uncommon Gynecologic Tumors. Rare Breast Tumors Oncology Genitourinary of Uncommon Tumors** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ◆ Case studies presented by experts in oncology
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional development
- ◆ Updates on tumors of the gynecological and genitourinary area
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Special emphasis on innovative methodologies in the approach to 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 pathology and expand your medical knowledge in an understudied area"*

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*TECH offers you a 100% online program that will allow you to combine your studies with your professional work while increasing your knowledge in this field"*

The teaching staff includes professionals from the Oncology sector, who bring their 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 knowledge programmed to learn 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 throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

*You will learn more about orphan urological neoplasms from experts, advancing in your academic career.*

*Thanks to this program, you will know how to recognize rare types of breast cancer, the most specific aspects of its approach and the complexity of its treatment.*



# 02 Objectives

The design of this Postgraduate Certificate in Uncommon Gynecologic Tumors. Rare Breast Tumors. Genitourinary Oncology of Uncommon Tumors will allow the student to delve into a field of medicine that is under constant research due to its rarity. This way, you will update your professional profile and boost your career in a field of study that demands specialists. There, the program has been developed by a team of experts with contents that will enable the future graduate to reach the proposed objectives. However, you will be fully empowered to deal with the latest advances and the newest treatments currently being applied. For this reason, TECH has established a series of general and specific objectives for the satisfaction of future graduates, as follows:







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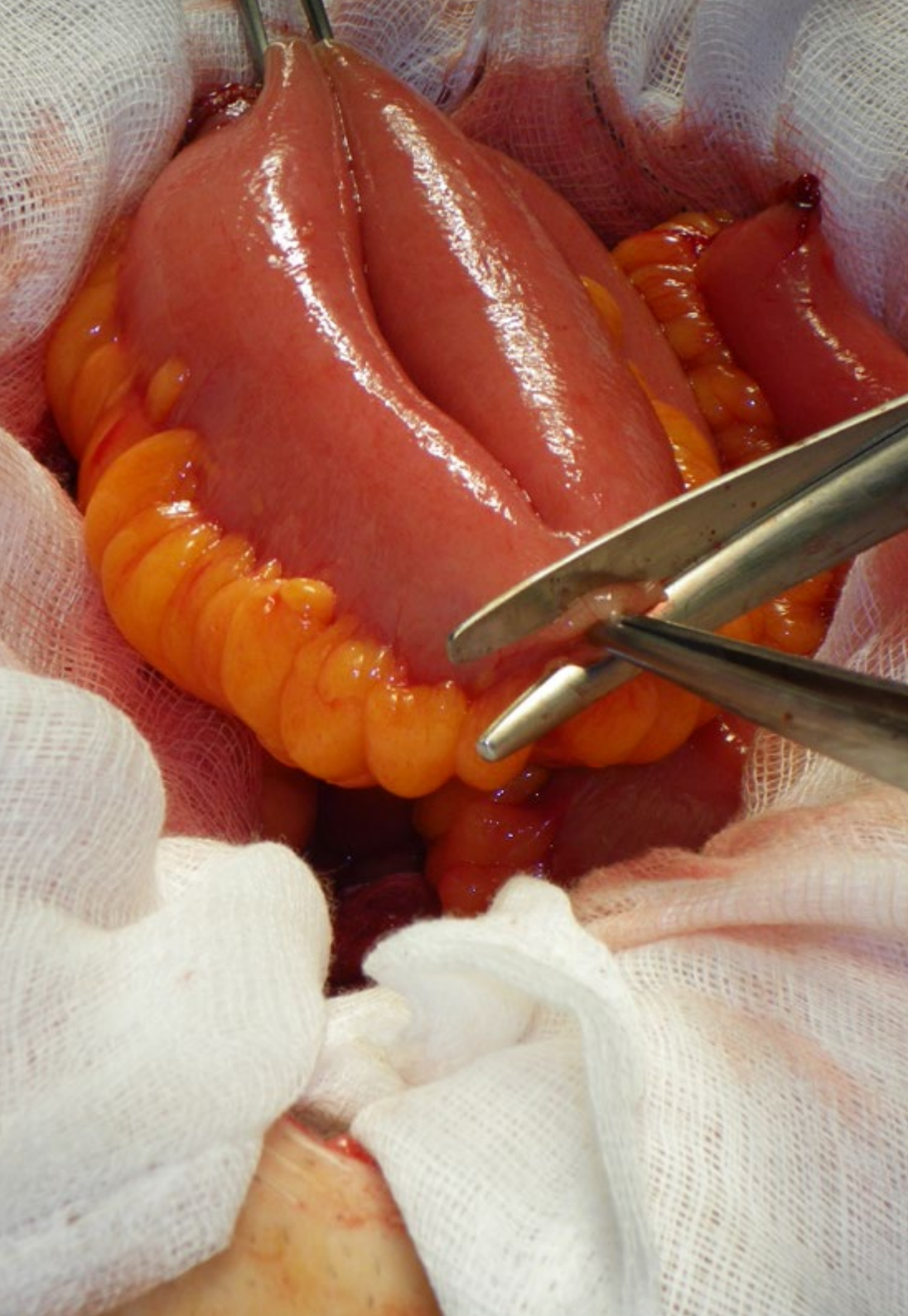
*You will update your knowledge of rare gynecologic cancers with the medical elite"*



## 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 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
- ◆ 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 self directed 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



## Specific Objectives

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- ◆ Study orphan urological neoplasms in depth
- ◆ Address rare urological pathology in terms of its clinical, diagnostic and therapeutic aspects, with special emphasis on molecular developments in recent years, in which many of these tumors are beginning to be tributary to a molecular approach
- ◆ Update knowledge on rare gynecologic cancers
- ◆ Recognize the rare types of breast cancer, the more specific aspects of their approach and the complexity of their treatment

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

03

# Course Management

Due to TECH's commitment to offering an elite education for all, it counts on renowned professionals so that the student acquires a solid knowledge in the medical specialty of this program. Therefore, this program has a highly qualified team, renowned in oncology, who will offer the best tools for the student in the development of their skills during the program. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner. This way, the student has the guarantees required to specialize in a field in which specialists are continually needed, catapulting them to professional success and also contributing to the development of their research faculties.





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*The best way to achieve excellence is to learn from the best, that's why TECH only has teachers who are experts in their field of study"*

## 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)

## Professors

### Dr. Fernández Pérez, Isaura

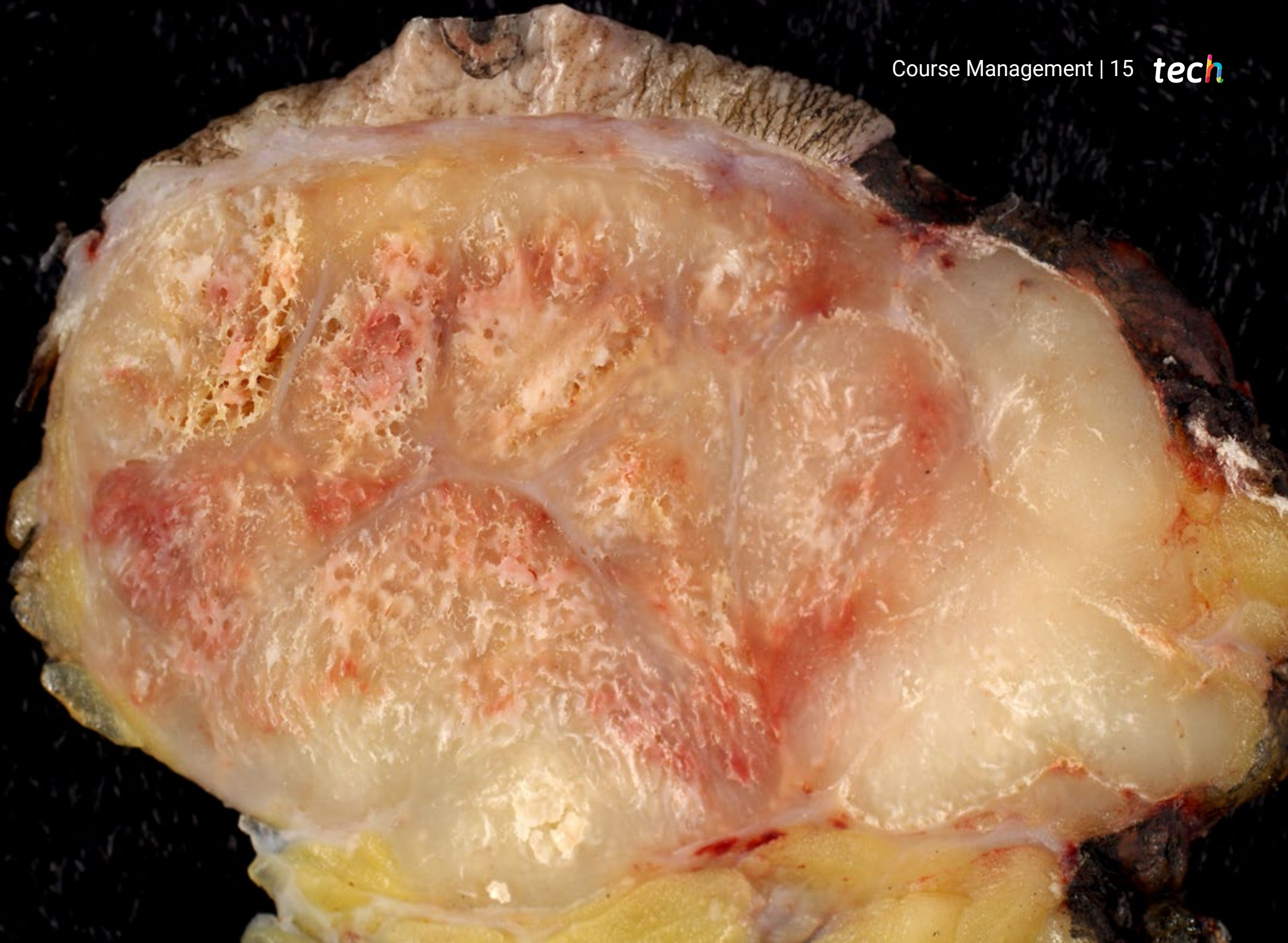
- ◆ Oncologist Breast, Gynecologic, Gynecologic, Cancer of Unknown Origin and Central Nervous System Unit. University Hospital Complex in Vigo-Hospital Álvaro Cunqueiro
- ◆ Member of the Spanish Group for Cancer of Unknown Origin (GECOD)

### Dr. Henao Carrasco, Fernando

- ◆ Oncologist Breast Cancer, Hereditary Cancer and Lymphoma Unit. Virgen Macarena University Hospital

### 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)



# 04

# Structure and Content

The syllabus of this program has been designed based on the requirements of medicine applied to the existence of certain tumors classified as rare in the gynecological area and genitourinary oncology, a specialization that is scarce in the educational market and of vital importance in healthcare. Therefore, it is essential that medical professionals delve deeper into the subject, contributing to the investigation of the conditions that cause these cases and propose treatments that minimize them. Therefore, the content of the program has been structured in such a way that it includes all the necessary information for the student on their way to medical excellence in this field.



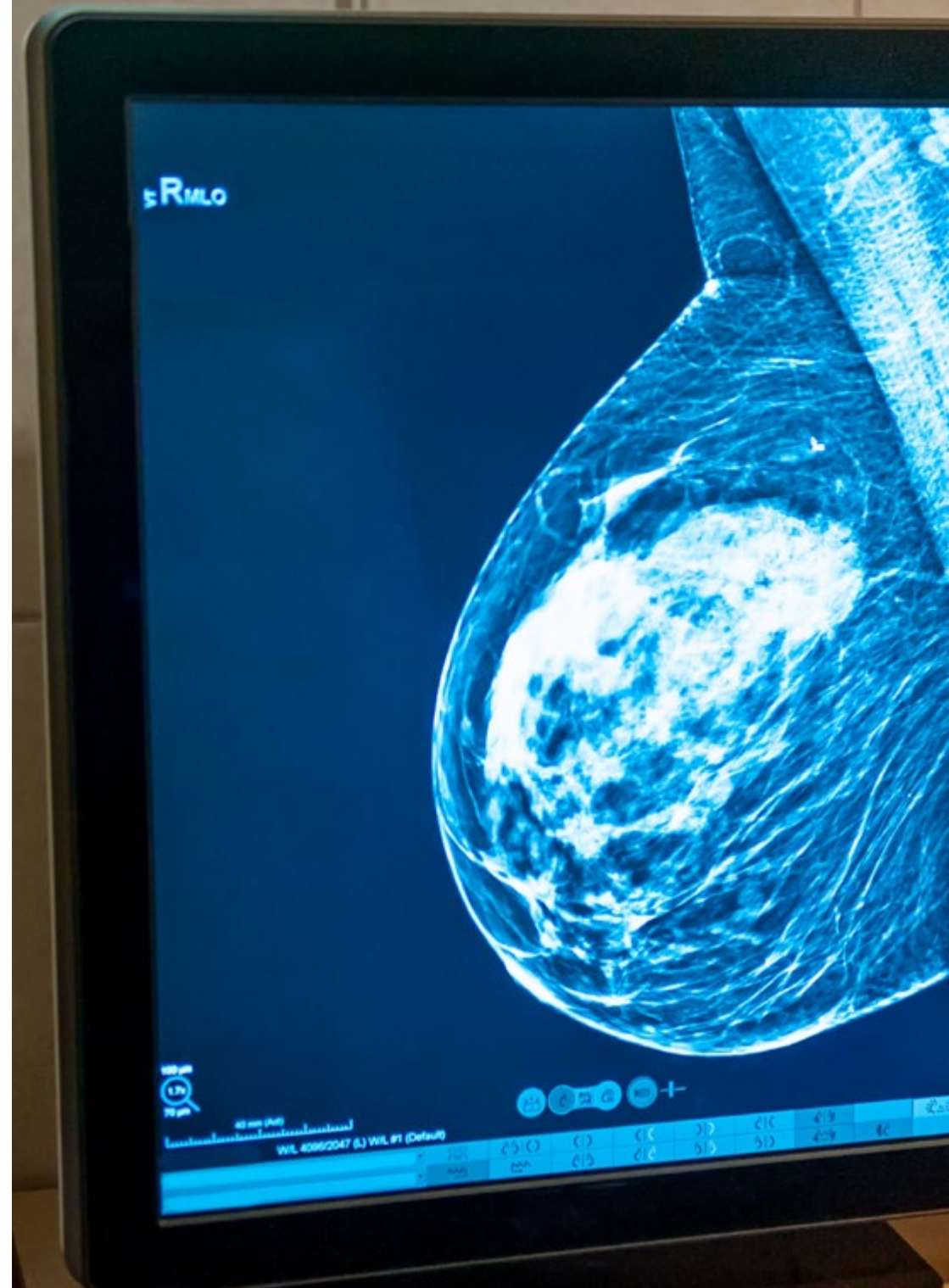


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*TECH offers you the most complete syllabus on the different gynecological, penile and prostate cancers, as well as the most rarest tumors in this area, together with the best professionals"*

**Module 1.** Uncommon Gynecologic Tumors. Rare Breast Tumors. Oncology Genitourinary of Uncommon Tumors

- 1.1. Rare Ovarian Cancer
  - 1.1.1. Sex Cord Tumors
  - 1.1.2. Granulosa Tumors
  - 1.1.3. Female Germ Cell Tumors
  - 1.1.4. Ovary Sarcomas
  - 1.1.5. Hereditary Ovarian Cancer
- 1.2. Rare Uterine Cancer
  - 1.2.1. Adenosarcoma
  - 1.2.2. Mixed Mullerian Tumor
  - 1.2.3. Uterine Sarcoma
  - 1.2.4. Hereditary Endometrial Carcinoma
- 1.3. Rare Cervix Cancer
  - 1.3.1. Adenocarcinoma
  - 1.3.2. Non-HPV Associated Cervical Cancer
  - 1.3.3. Cervical Sarcomas
- 1.4. Other Rare Gynecologic Tumors
  - 1.4.1. Vulvar Cancer
  - 1.4.2. Vaginal Cancer
- 1.5. Rare Breast Tumors
  - 1.5.1. Classification of Rare Breast Tumors
  - 1.5.2. Diagnostic and Therapeutic Aspects
- 1.6. Germ Cell Tumors
  - 1.6.1. General Aspects: Etiology and Epidemiology
  - 1.6.2. Clinical Aspects and Classification
  - 1.6.3. Diagnostic and Therapeutic Aspects for Germinal Tumors
- 1.7. Low Incidence Prostate Tumors
  - 1.7.1. Adenocarcinoma with Histological Variants
    - 1.7.1.1. Adenocarcinoma NOS
    - 1.7.1.2. Adenocarcinoma of the Acinar Cells
    - 1.7.1.3. Mucinous Adenocarcinoma
    - 1.7.1.4. Signet Ring Adenocarcinoma





- 1.7.1.5. Adenocarcinoma with Neuroendocrine Differentiation
- 1.7.1.6. Oxyphilic Adenocarcinoma
- 1.7.1.7. Spindle Cell Adenocarcinoma
- 1.7.1.8. Lymphoepithelial Carcinoma
- 1.7.2. Squamous Cell Carcinoma with Histologic Variants
  - 1.7.2.1. Squamous Carcinoma
  - 1.7.2.2. Adenosquamous Carcinoma
- 1.7.3. Infiltrating Carcinoma of the Ducts
  - 1.7.3.1. Cribriform Carcinoma
  - 1.7.3.2. Solid Carcinoma NOS
  - 1.7.3.3. Papillary Adenocarcinoma NOS
- 1.7.4. Transitional Cell Carcinoma
- 1.7.5. Salivary Gland-Like Tumors
  - 1.7.5.1. Adenoid Cystic Carcinoma
  - 1.7.5.2. Basaloid Carcinoma
  - 1.7.5.3. Basal Cell Carcinoma
- 1.7.6. New Molecular Array in Prostate Cancer
- 1.8. Rare Tumors of the Bladder and Upper Urinary Tract
  - 1.8.1. Transitional Cell Carcinoma
  - 1.8.2. Squamous Carcinoma with Variants
  - 1.8.3. Adenocarcinoma with Variants
  - 1.8.4. Salivary Gland-Like Tumors
  - 1.8.5. Molecular Subtypes of Bladder Cancer
- 1.9. Rare Renal Tumors
  - 1.9.1. General Aspects of Non-Clear Cell Renal Cancers
  - 1.9.2. Epidemiology and Etiopathogenesis
  - 1.9.3. Classification of Non-Clear Cell Renal Tumors
  - 1.9.4. Diagnosis and Treatment
- 1.10. Penile Cancer
  - 1.10.1. Epidemiology and Etiopathogenesis
  - 1.10.2. Clinical and Diagnostic Aspects
  - 1.10.3. Penile Cancer Staging
  - 1.10.4. Localized Disease
  - 1.10.5. Locally Advanced and Metastatic Disease

05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **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 evaluate 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

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This 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, a real revolution with respect to the mere study and analysis of cases.

*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 trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical 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 applied to the 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 evaluate and re-evaluate 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 Uncommon Gynecologic Tumors. Rare Breast Tumors. Oncology Genitourinary of Uncommon Tumors guarantees you, in addition to the most rigorous and updated education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Uncommon Gynecologic Tumors. Rare Breast Tumors. Genitourinary Oncology of Uncommon Tumors** 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.

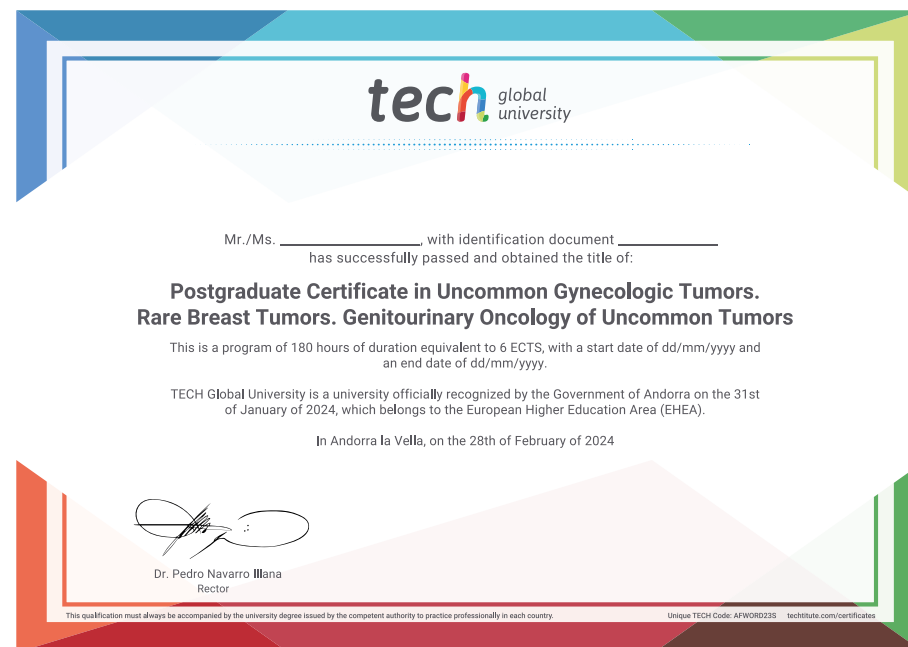
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Uncommon Gynecologic Tumors. Rare Breast Tumors. Genitourinary Oncology of Uncommon Tumors**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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

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

**tech** global  
university

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