

# Postgraduate Certificate

## Radiotherapy Treatment of Gynecologic Tumors





## Postgraduate Certificate Radiotherapy Treatment of Gynecologic Tumors

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/postgraduate-certificate-radiotherapy-treatment-gynecologic-tumors](http://www.techtute.com/us/medicine/postgraduate-certificate/postgraduate-certificate-radiotherapy-treatment-gynecologic-tumors)

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# 01

# Introduction

Gynecologic tumors are not the most frequent, but all women have some level of risk of getting some type of gynecologic cancer throughout their life, above all in adulthood. Radiation emerged as one of the main methods for its treatment, being a medical tool that is constantly evolving. That is why it's important for the specialist to know the latest advances in radiotherapy management. Thanks to this 100% online training, healthcare professionals will be up-to-date on the most effective treatments for each type of cancer.





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*This Postgraduate Certificate is the best investment you can make in training for two reasons: you will obtain a qualification from TECH Technological University, and you will acquire the best and most up-to-date training on radiotherapy management of gynecologic tumors"*

There are different types of Gynecologic Tumors depending on what area they originate from. Although they are not the most frequent in humans, the most widespread and the ones that cause the most deaths are uterine and ovarian cancer. In many cases, the lack of symptoms means that it is not possible to detect in the early stages, which makes the treatment and cure a lot more difficult. However, the evolution of radiotherapy is making treatment more and more effective.

Research in the field of gynecology is gaining importance in order to increase the rate of survival in patients with tumors in this part of the body. It is equally as important that professionals are up to date on these advances in order to carry out a diagnosis and appropriate treatment in each case.

For this reason, it is especially important that these professionals are constantly recycling and updating their knowledge through training courses such as this one, in which they will learn the main developments in the subject. In this case there is a special emphasis on gynecologic tumors.

In this Postgraduate Certificate, the healthcare professional will delve into the field of radiotherapy treatment, focusing on the most effective procedures for the different types of gynecologic cancer. This will allow them to gain knowledge which is adapted to the new advances and study a more comprehensive training course to develop their professional work in the most effective way possible.

This **Postgraduate Certificate in Radiation Treatment of Gynecologic Tumors** is the most comprehensive and up-to-date scientific program on the market. The most important features of the course are:

- ♦ Clinical cases presented by experts in Radiotherapy Treatment of Gynecologic Tumors.
- ♦ 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.
- ♦ Diagnostic-therapeutic developments on assessment, diagnosis, and intervention in thoracic tumors.
- ♦ Practical exercises where the self-evaluation process can be carried out to improve learning.
- ♦ Clinical and diagnostic imaging and testing iconography.
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ With special emphasis on evidence-based medicine and research methodologies in gynecologic tumors.
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection.
- ♦ Content that is accessible from any fixed or portable device with an internet connection.



*Learn about the latest advances in radiation treatment in patients with gynecologic tumors”*

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*This Postgraduate Certificate may be the best investment you can make in the selection of an updating program for two reasons: in addition to updating your knowledge in Radiotherapy Treatment of Gynecologic Tumors, you will obtain a Postgraduate Certificate from TECH Technological University"*

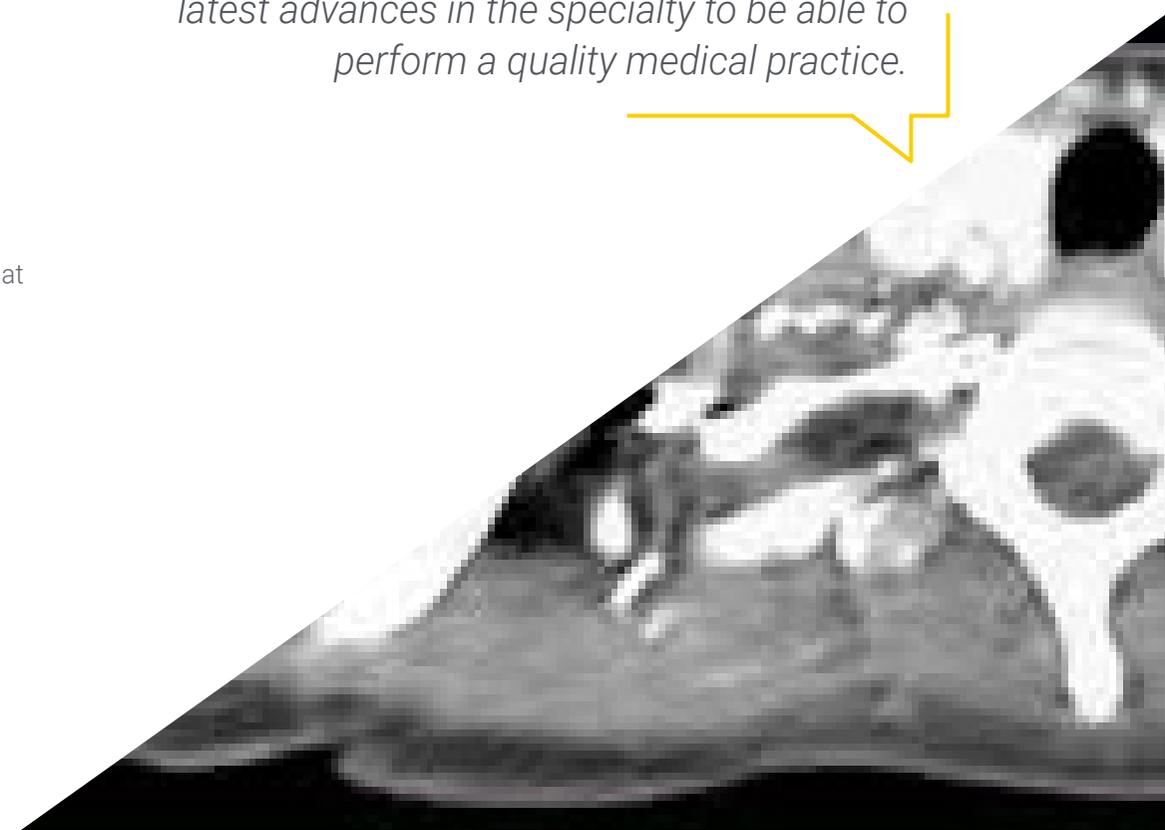
The teaching staff includes professionals from the field of Radiotherapy Treatment of Gynecologic Tumors, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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 an immersive training program to train in real situations.

Problem-Based Learning underpins this program design, and the doctor must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate. For this purpose, the physician will be assisted by an innovative interactive video system developed by renowned experts in the field of Radiotherapy Treatment of Gynecologic Tumors with extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge through this course.*

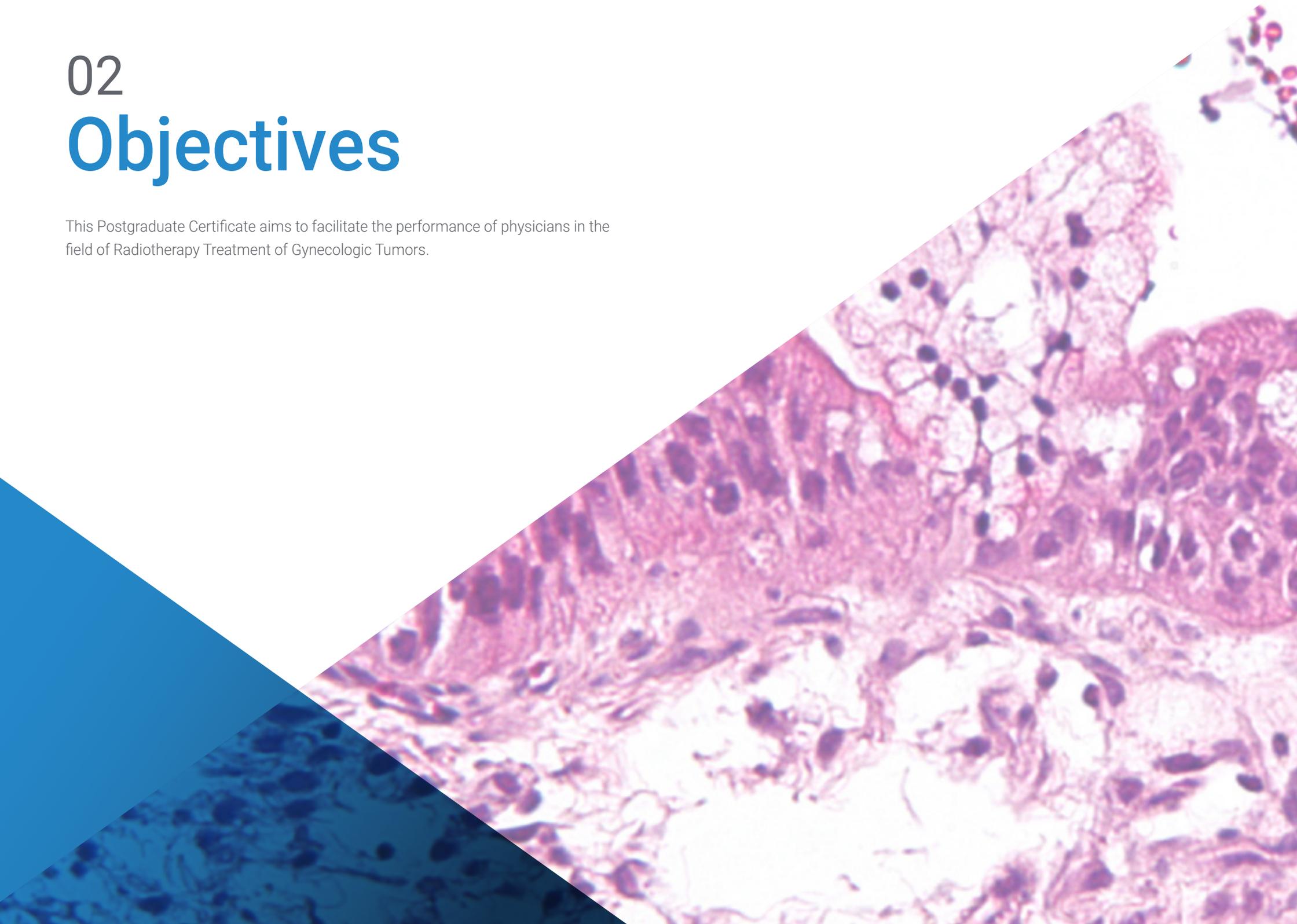
*Improve your knowledge in Radiotherapy in Gynecologic Tumors through this program, where you will find the best teaching material with real case studies. Learn here about the latest advances in the specialty to be able to perform a quality medical practice.*



02

# Objectives

This Postgraduate Certificate aims to facilitate the performance of physicians in the field of Radiotherapy Treatment of Gynecologic Tumors.



A microscopic image of tissue, likely a histological section, showing various cellular structures and a central lumen. The tissue is stained with hematoxylin and eosin (H&E), showing pinkish-purple hues. The image is split diagonally, with the top-left portion being a light pinkish-purple and the bottom-right portion being a dark blue. The text is overlaid on the white background of the bottom-right portion.

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*Increase your visibility, excellence, and professional development by updating your knowledge through this Postgraduate Certificate”*

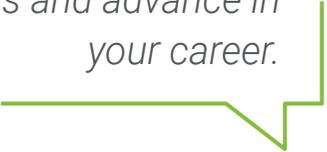


## General Objective

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- Create a global and updated vision of Radiotherapy Treatment of Gynecologic Tumors, allowing the student to acquire useful knowledge and, at the same time, to generate interest in expanding the information and discovering its application in daily practice.

*Update your knowledge in Radiotherapy  
in Gynecologic Tumors and advance in  
your career.*

A green decorative line that starts as a horizontal line, then turns 90 degrees up, then 90 degrees right, and finally 90 degrees down, ending in a small hook-like shape.



## Specific Objectives

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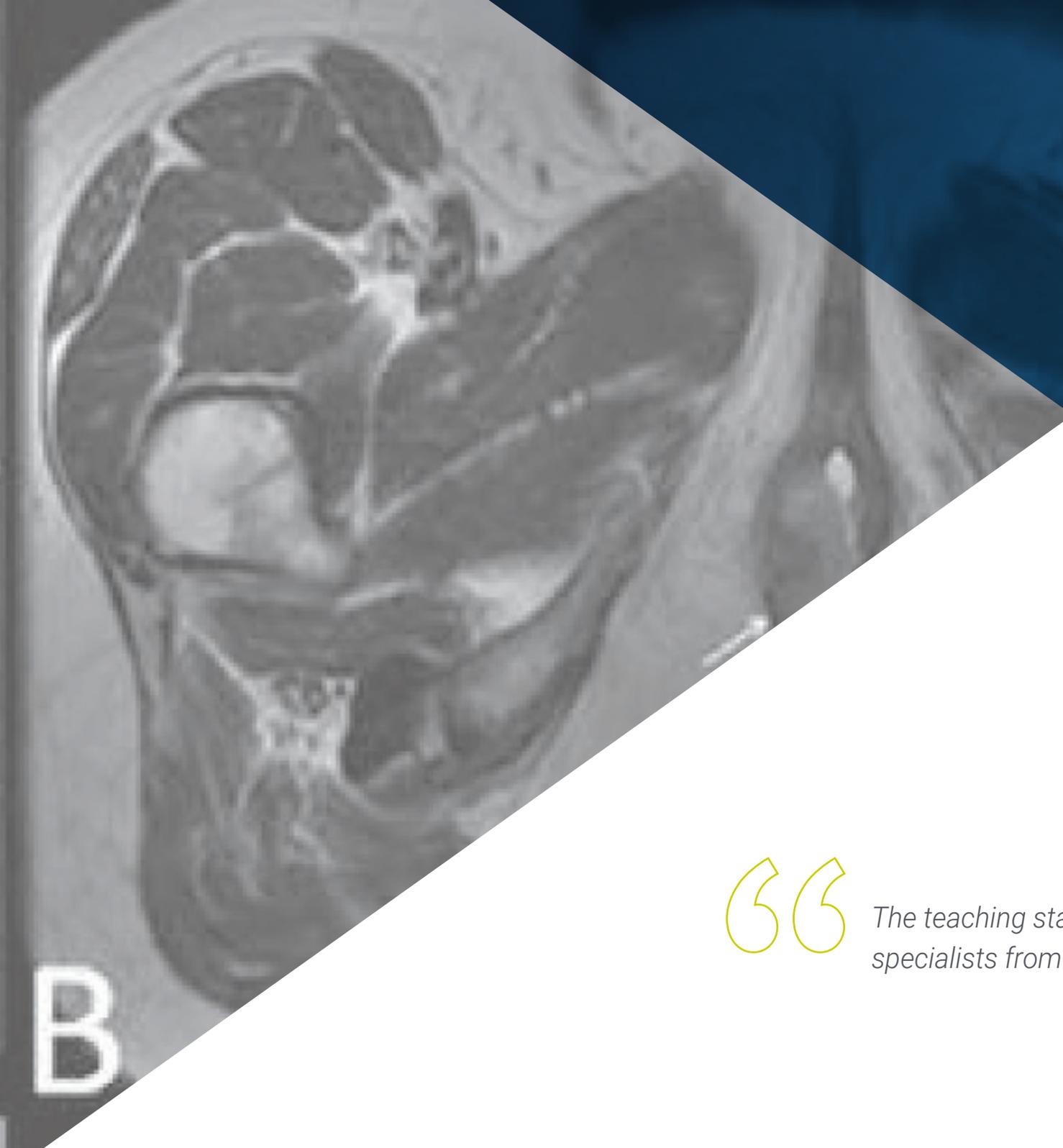
- ♦ Analyze how the advances of the last decades in both diagnosis and treatment of cancer have managed to increase survival.
- ♦ Review the different types of cancer that warrant radiotherapeutic management and show the specific issues for each tumor.
- ♦ Create a global and updated vision of the exposed topics that will allow the student to acquire useful knowledge and at the same time, generate interest in expanding the information and discovering its application in their daily practice.
- ♦ Learn the basics of radiotherapy, as well as the different techniques available and their efficacy in order to know the place of each in the management of different gynecologic tumors.
- ♦ Know the radiotherapeutic advances that allow a differential diagnosis to be made, making it possible to precisely define the field of resection, and providing information on prognosis and post-treatment monitoring.
- ♦ Know the best indications for radiotherapy treatment of different gynecologic tumors.

03

# Course Management

The program's teaching staff includes leading specialists in radiotherapy treatment of thoracic tumors and other related areas, who bring their years of work experience to this training program. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.





**B**

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*The teaching staff includes renowned specialists from prestigious universities”*

## International Guest Director

Awarded by the Royal College of Radiologists of the United Kingdom for his BCRM presentation, Christopher Nutting is a prestigious **Oncologist** specialized in the areas of **Radiotherapy** and **Chemotherapy**. He has an extensive professional background of more than 30 years, where he has been part of reference health institutions such as the Royal Marsden Hospital or the Institute of Cancer Research in London.

In his firm commitment to optimize the quality of life of his patients, he contributed to the installation of **Magnetic Resonance Imaging** machines for the first time in Great Britain, incorporating a scanner and Linear Accelerator to locate tumors with greater precision. In addition, his clinical research has contributed to the development of several advances in the oncological field. His most outstanding contribution is **Intensity-Modulated Radiation Therapy**, a technique that improves the efficacy of cancer treatments by directing radiation to a specific target so as not to damage nearby healthy tissue.

In turn, he has performed more than 350 clinical studies and scientific publications that have facilitated the understanding of malignant tumors. For example, its **"PARSPOT"** trial provided relevant clinical data on the efficacy of Linear Accelerator Intensity Modulated Radiation Therapy in terms of local carcinoma control and patient survival. Thanks to these results, the UK Department of Health established practices to optimize both the accuracy and effectiveness of Radiotherapy in the treatment of **Head and Neck Cancer**.

He is a regular speaker at **Scientific Congresses**, where he shares his solid knowledge in subjects such as Radiotherapy Technology or innovative therapies for the approach of people with Dysphagia. In this way, he helps medical professionals to stay at the forefront of advances in these fields in order to provide excellent services.



## Dr. Nutting, Christopher

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- Medical Director and Oncology Consultant at The Royal Marsden Hospital in London, United Kingdom
- Chairman of the Oncology Section at the Royal Society of Medicine, London, United Kingdom
- Clinical Head of Head and Neck Cancer at the Department of Health and Social Care, United Kingdom
- Consultant Oncologist at The Harley Street Clinic in London, United Kingdom
- Chairman of the National Cancer Research Institute in London, United Kingdom
- President of the Association of British Oncology in London, United Kingdom
- Senior Research Fellow at the National Institute for Health and Care Research, United Kingdom
- PhD in Medicine and Cellular Pathology from the University of London
- Member of: UK College of Physicians, UK College of Radiologists

“

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

## Management



### Dr. Morera López, Rosa María

- Degree in Medicine and General Surgery from the Complutense University of Madrid
- Specialist in Radiation Oncology University Hospital 12 de Octubre
- PhD in Medicine from the Complutense University of Madrid
- Master's Degree in Administration and Management of Health Services, (2013-2013) Pompeu Fabra University
- Head of the Radiation Oncology Service at La Paz University Hospital since 2016.
- Head of the Radiation Oncology Service at Ciudad Real General University Hospital (2012-2015)
- Associate Professor in the Medicine Degree at the Faculty of Medicine of the UCLM in Ciudad Real (2013- 2015)
- Faculty Specialist in the Radiation Oncology Service at Ramón y Cajal University Hospital (2000-2012)
- Coordinator of the Tomotherapy Unit "La Milagrosa" Clinic IMO Group (2006- 2009)
- Founding member of SBRT Spanish Group Coordinator of SBRT Working Group of the Spanish Society of Radiation Oncology
- Spokesperson of the Spanish National Commission of Radiation Oncology
- Member of the National Executive Committee of the Spanish Association Against Cancer (AECC)
- Participation as Head Researcher and collaborator in a large number of research projects.
- Editor of several dozen articles in high-impact scientific journals



### Dr. Rodríguez Rodríguez, Isabel

- ♦ Degree in Medicine Specialist in Radiation Oncology
- ♦ Specialist in the Radiation Oncology at La Paz University Hospital. Madrid
- ♦ Clinical Teaching Collaborator at the Autonomous University of Madrid
- ♦ Resident tutor in Radiation Oncology at La Paz University Hospital
- ♦ Coordinator of the Brachytherapy Unit of the Radiation Oncology Department of La Paz University Hospital
- ♦ Collaborator in basic and clinical research in the Spanish pharmaceutical industry (Pharmamar).
- ♦ Coordinator of the National Alliance for the Prevention of Colon and Rectal Cancer (2016-2018)
- ♦ Coordinator in Clinical Research of the Biomedical Foundation at Ramón y Cajal University 2002-2006
- ♦ Participation as Head Researcher and collaborator in a large number of clinical research projects
- ♦ Editor of several dozen articles in high-impact scientific journals



### Dr. Belinchón Olmeda, Belén

- ◆ Degree in Medicine and Surgery from the University of Alcalá de Henares, Madrid
- ◆ Specialist in Radiation Oncology Puerta de Hierro University Hospital, Madrid
- ◆ Diploma of Advanced Studies from the Autonomous University of Madrid.
- ◆ Attending Physician of the Radiation Oncology Service at La Paz University Hospital since 2007.
- ◆ Attending Physician of the Radiation Oncology Service at Ruber International Hospital since 2013.
- ◆ Training clinical residencies in prestigious centers such as The Christie Hospital, Manchester
- ◆ Participation as Head Researcher and collaborator in a large number of research projects.
- ◆ Author of various articles in high impact scientific journals and frequent collaborator in chapters of books and presentations at congresses.

## Professors

### Dr. Celada Álvarez, Francisco Javier

- ◆ Attending physician of the Radiotherapy Oncology Department
- ◆ La Fe Polytechnic University Hospital, Valencia

### Dr. Conde Moreno, Antonio José

- ◆ Head of Radiation Oncology Section
- ◆ La Fe Polytechnic University Hospital, Valencia

### Dr. Gómez Camaño, Antonio

- ◆ Head of Radiation Oncology Service
- ◆ Clinical University Hospital of Santiago de Compostela

### Dr. Lozano Martín, Eva María

- ◆ Head of Radiation Oncology Service
- ◆ General University Hospital, Ciudad Real. University of Castilla La Mancha

### Dr. Palacios Eito, Amalia

- ◆ Head of Radiation Oncology Service
- ◆ Reina Sofia University Hospital, Córdoba

### Dr. Romero Fernández, Jesús

- ◆ Head of Radiation Oncology Service
- ◆ Puerta de Hierro University Hospital.

**Dr. Rodríguez Pérez, Aurora**

- ◆ Head of Radiation Oncology Service
- ◆ Ruber International Hospital, Madrid

**Dr. Rubio Rodríguez, Carmen**

- ◆ Head of Radiation Oncology Service
- ◆ University Hospital H.M. Sanchinarro, Madrid

**Dr. Samper Ots, Pilar María**

- ◆ Head of Radiation Oncology Service
- ◆ Rey Juan Carlos Hospital, Móstoles

**Dr. Vallejo Ocaña, Carmen**

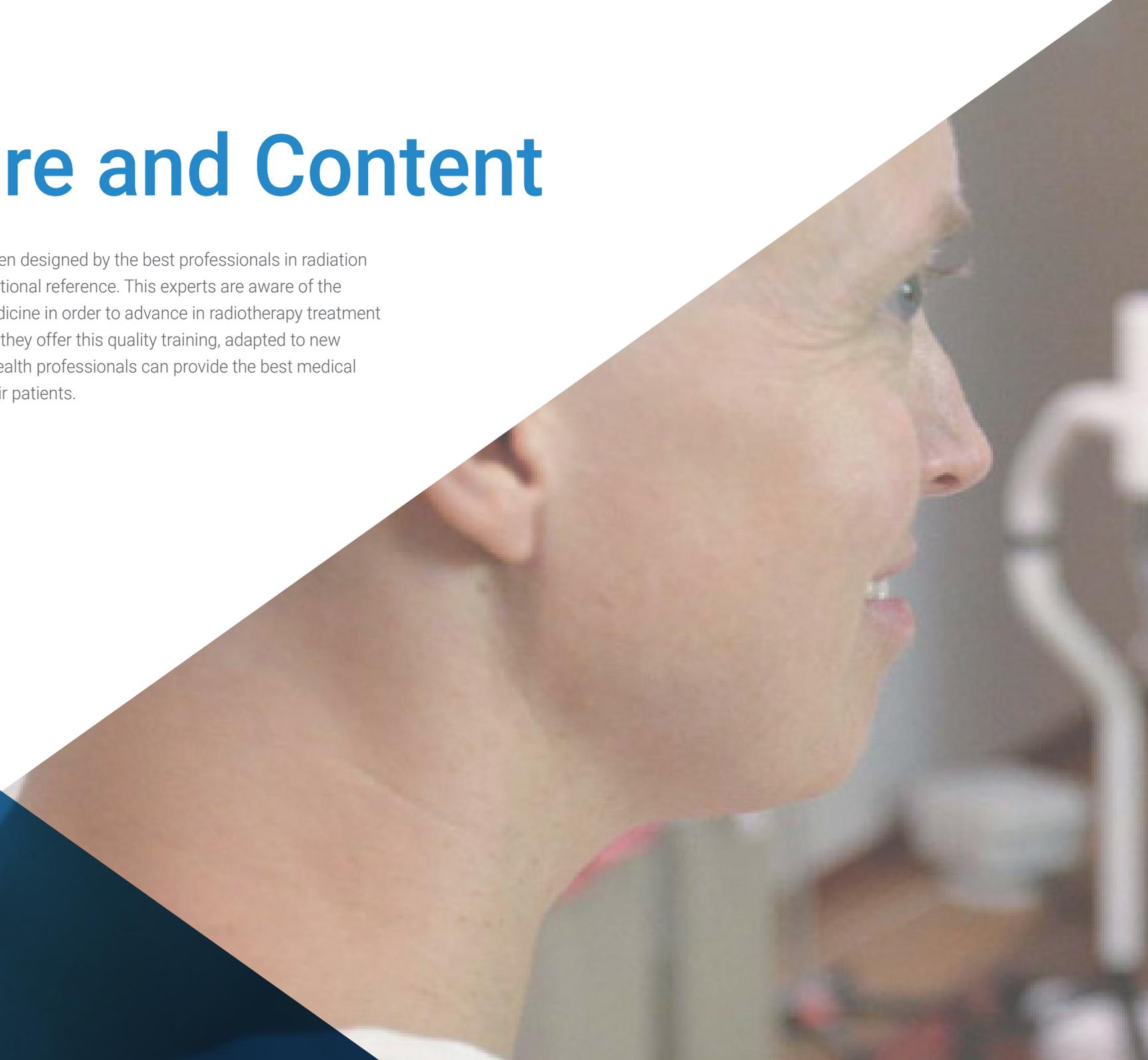
- ◆ Head of Radiation Oncology Section
- ◆ Ramón y Cajal University Hospital, Madrid



# 04

## Structure and Content

The structure of the content has been designed by the best professionals in radiation oncology who work in centers of national reference. These experts are aware of the need for training in the world of medicine in order to advance in radiotherapy treatment of gynecologic tumors. That is why they offer this quality training, adapted to new educational technologies, so that health professionals can provide the best medical care, adapting it to the needs of their patients.

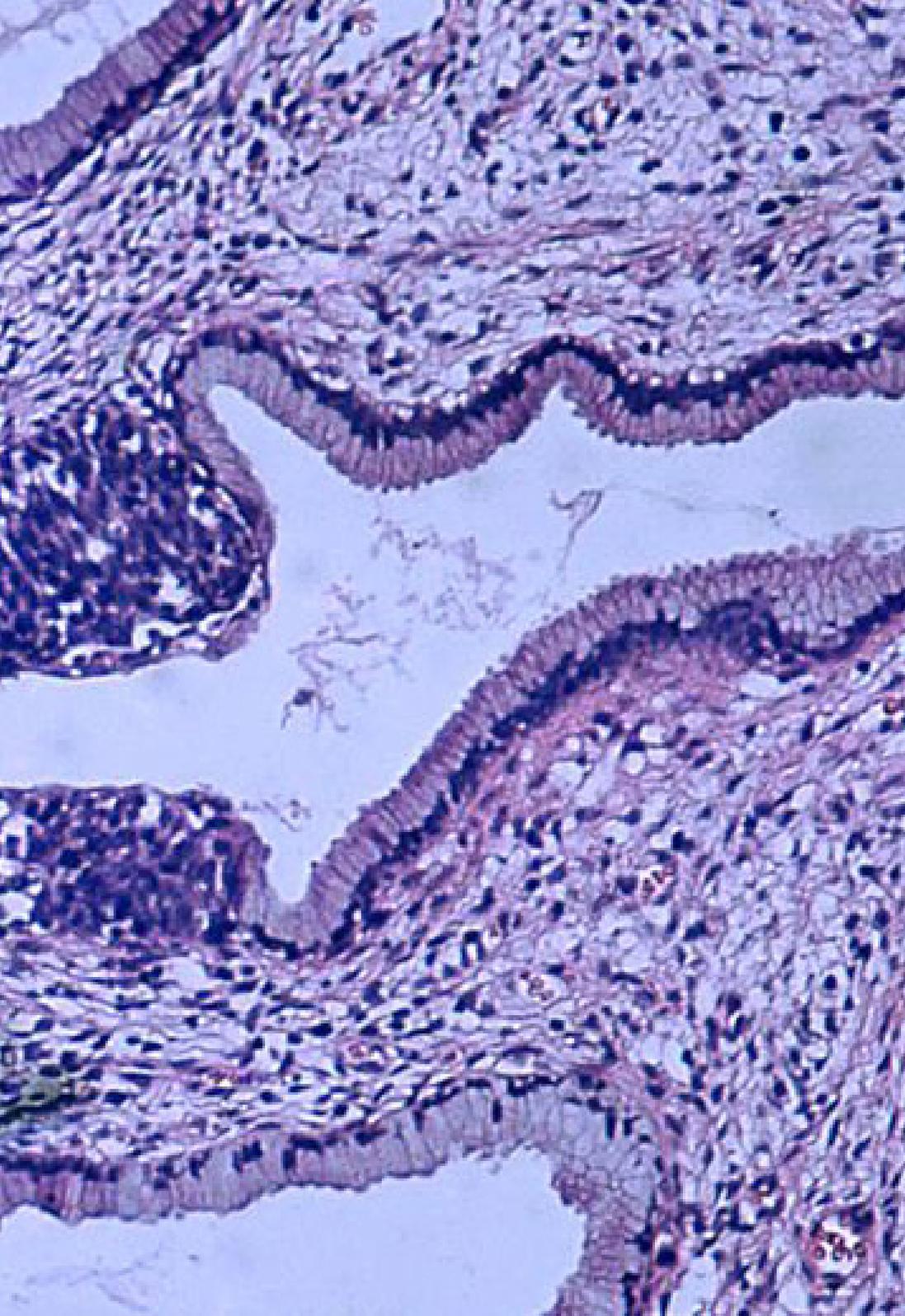


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*Study a comprehensive course in the field of radiotherapy in gynecologic tumors thanks to a teaching program with innovative methodologies and the latest educational technology”*

## Module 1. Update on Radiotherapy Treatment of Gynecologic Tumors

- 1.1. Endometrial Cancer
  - 1.1.1. Epidemiological Aspects
  - 1.1.2. Risk factors
  - 1.1.3. Anatomy Recap.
  - 1.1.4. Histological Type
  - 1.1.5. Dissemination Pathways
  - 1.1.6. Classification
  - 1.1.7. Prognostic Factors
  - 1.1.8. Surgical Management
  - 1.1.9. Adjuvant Early Stage Radiotherapy Treatment
  - 1.1.10. Advanced Disease
  - 1.1.11. Local, Regional, Distant Recurrence
  - 1.1.12. Monitoring
- 1.2. Uterine Sarcomas
  - 1.2.1. Epidemiological Aspects
  - 1.2.2. Risk factors
  - 1.2.3. Anatomy Recap.
  - 1.2.4. Histological Type
  - 1.2.5. Dissemination Pathways
  - 1.2.6. Classification
  - 1.2.7. Prognostic Factors
  - 1.2.8. Surgical Management
  - 1.2.9. Adjuvant Early Stage Radiotherapy Treatment
  - 1.2.10. Advanced Disease
  - 1.2.11. Local, Regional, Distant Recurrence
  - 1.2.12. Monitoring
- 1.3. Cervical Cancer
  - 1.3.1. Epidemiological Aspects
  - 1.3.2. Risk factors
  - 1.3.3. Anatomy Recap.
  - 1.3.4. Histological Type
  - 1.3.5. Dissemination Pathways
  - 1.3.6. Classification
  - 1.3.7. Prognostic Factors
  - 1.3.8. Surgical Management
  - 1.3.9. Adjuvant Early Stage Radiotherapy Treatment
  - 1.3.10. Advanced Disease
  - 1.3.11. Local, Regional, Distant Recurrence
  - 1.3.12. Monitoring
- 1.4. Vulvar Cancer
  - 1.4.1. Epidemiological Aspects
  - 1.4.2. Risk factors
  - 1.4.3. Anatomy Recap.
  - 1.4.4. Histological Type
  - 1.4.5. Dissemination Pathways
  - 1.4.6. Classification
  - 1.4.7. Prognostic Factors
  - 1.4.8. Surgical Management
  - 1.4.9. Adjuvant Early Stage Radiotherapy Treatment
  - 1.4.10. Advanced Disease
  - 1.4.11. Local, Regional, Distant Recurrence
  - 1.4.12. Monitoring



- 1.5. Vagina Cancer
  - 1.5.1. Epidemiological Aspects
  - 1.5.2. Risk factors
  - 1.5.3. Anatomy Recap.
  - 1.5.4. Histological Type
  - 1.5.5. Dissemination Pathways
  - 1.5.6. Classification
  - 1.5.7. Prognostic Factors
  - 1.5.8. Surgical Management
  - 1.5.9. Adjuvant Early Stage Radiotherapy Treatment
  - 1.5.10. Advanced Disease
  - 1.5.11. Local, Regional, Distant Recurrence
  - 1.5.12. Monitoring
- 1.6. Fallopian Tube and Ovarian Cancer
  - 1.6.1. Epidemiological Aspects
  - 1.6.2. Risk factors
  - 1.6.3. Anatomy Recap.
  - 1.6.4. Histological Type
  - 1.6.5. Dissemination Pathways
  - 1.6.6. Classification
  - 1.6.7. Prognostic Factors
  - 1.6.8. Surgical Management
  - 1.6.9. Adjuvant Early Stage Radiotherapy Treatment
  - 1.6.10. Advanced Disease
  - 1.6.11. Local, Regional, Distant Recurrence
  - 1.6.12. Monitoring



*A unique, key, and decisive training experience to boost your professional development"*

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.

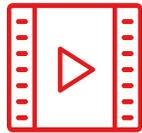
*Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 the teaching materials are specifically created for the course, by specialists who teach on 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

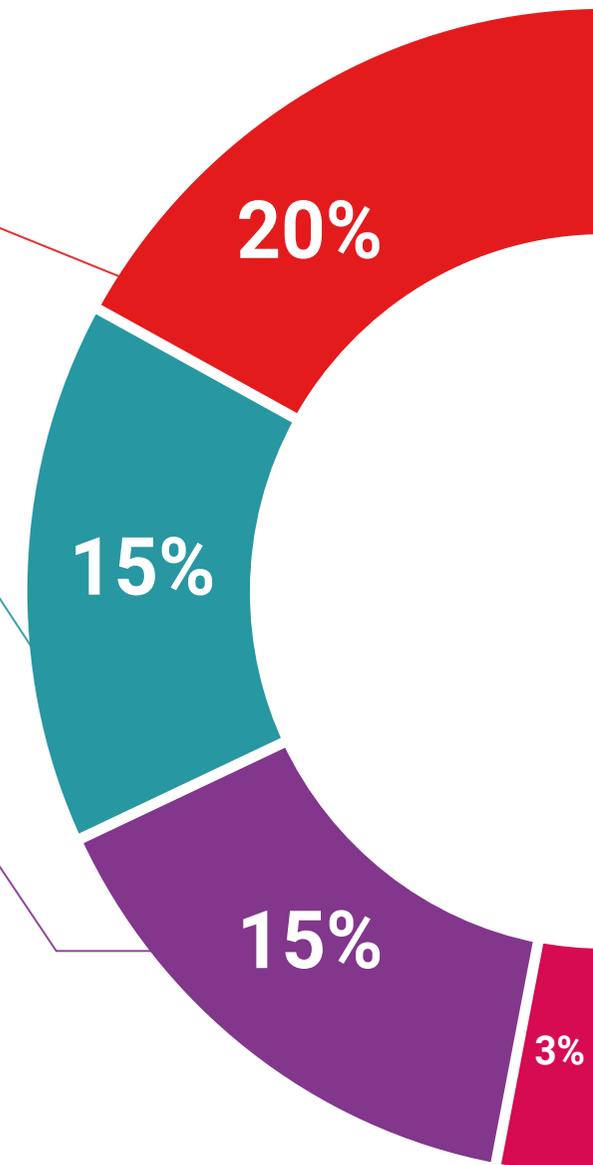
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

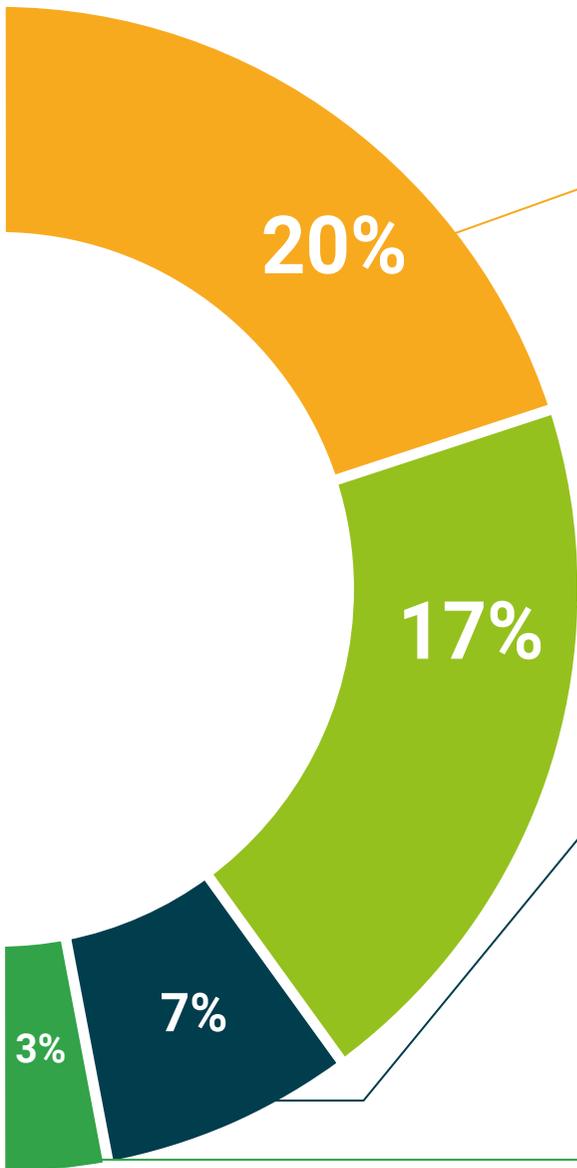
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### 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 difficult future 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

The **Postgraduate Certificate in Radiotherapy Treatment of Gynecologic Tumors** guarantees you, in addition to the most rigorous and updated specialization, access to a **Postgraduate Certificate** issued by **TECH Technological University**.



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*Successfully complete this training  
and receive your diploma without  
the hassle of travel or paperwork”*

This **Postgraduate Certificate in Radiation Treatment of Gynecologic Tumors** is the most comprehensive and up-to-date scientific program on the market.

After students have passed the evaluations, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will specify the qualification obtained through the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Diploma: **Postgraduate Certificate in Radiotherapy Treatment of Gynecologic Tumors**

Nº Hours: **150**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION 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



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