

# Postgraduate Diploma

## Radiotherapy Treatment of Gynecologic and Urologic Tumors



## Postgraduate Diploma Radiotherapy Treatment of Gynecologic and Urologic Tumors

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 17 ECTS
- » Schedule: at your own pace
- » Exams: online

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

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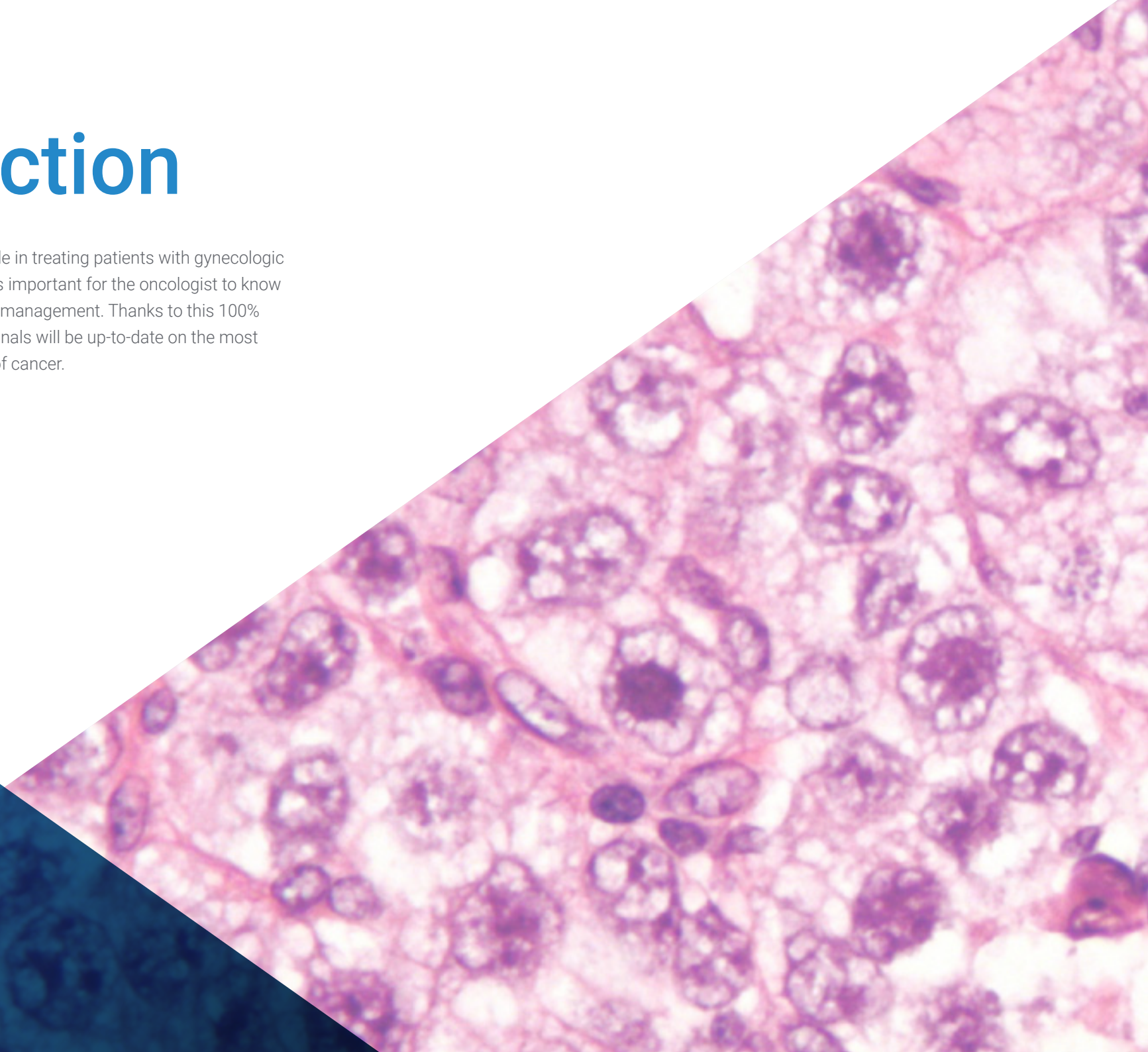
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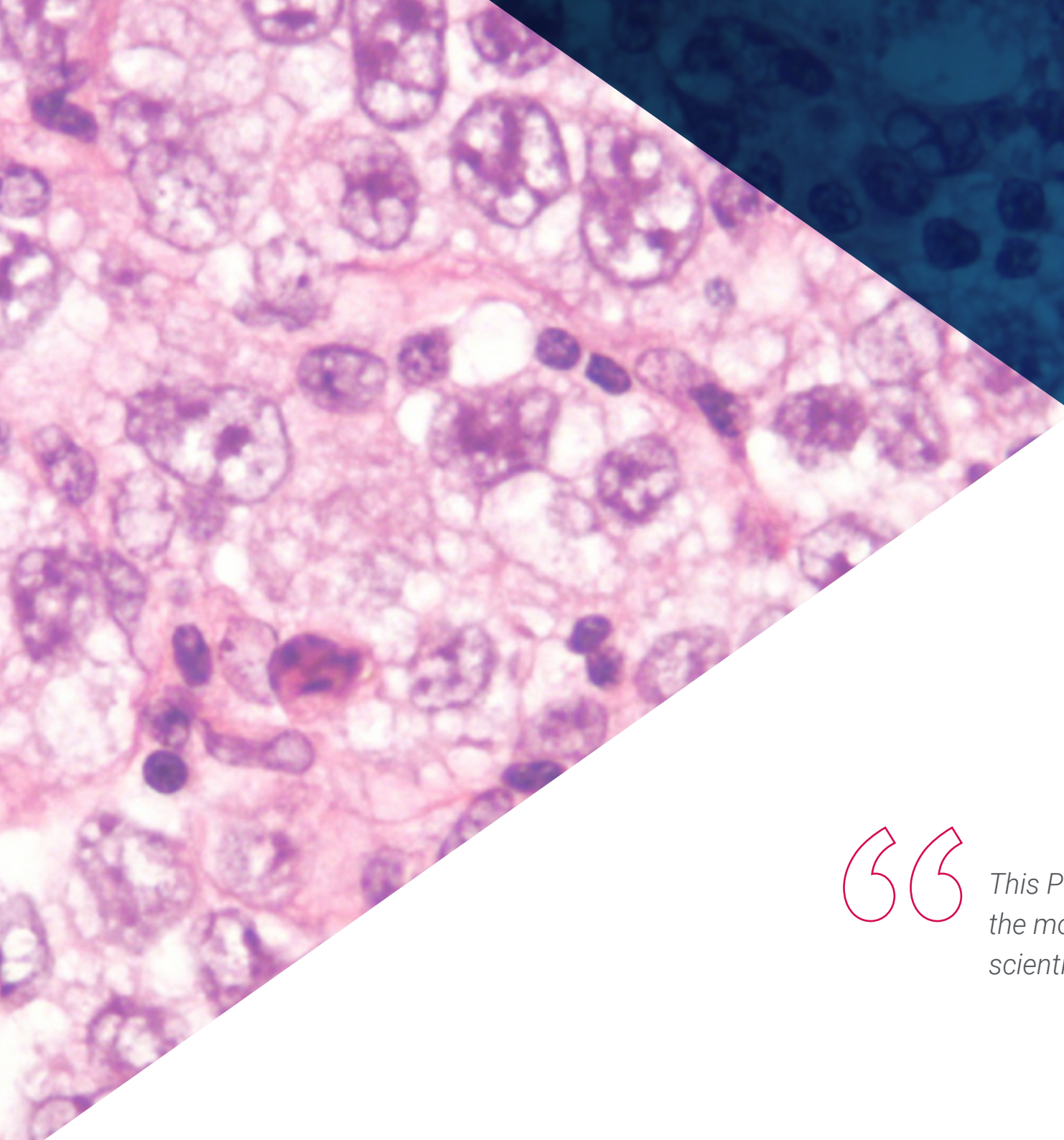
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# 01

# Introduction

Radiotherapy plays an important role in treating patients with gynecologic and urologic tumors. That is why it's important for the oncologist 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 Diploma contains the most complete and up-to-date scientific program on the market"*

Research in the fields of gynecology and urology is extremely important for increasing the survival rates of people suffering from tumors in these areas. However, technological development is equally important, as the tools for treating these diseases are improving all the time.

Advances in radiation oncology in recent decades have increased the chances of curing certain types of cancer, as well as reducing the possible side effects and complications caused by radiation in patients.

Radiation oncologists must be in constant contact with this type of technology in order to provide the best care for their patients. 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 and urologic tumors.

In this Postgraduate Diploma, the healthcare professional will delve into the field of radiotherapy treatment, focusing on the most effective procedures for different types of 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.



*Increase your clinical skills through this Postgraduate Diploma program in Radiotherapy Treatment of Gynecologic and Urologic Tumors”*

This **Postgraduate Diploma in Radiation Treatment of Tumors of Gynecologic and Urologic Tumors** contains the most comprehensive and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Clinical cases presented by experts in Radiotherapy Treatment of Gynecologic and Urologic Tumors.
- ♦ The graphic, schematic and eminently practical contents of which they are composed provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ Diagnostic-therapeutic developments in assessment, diagnosis and intervention in gynecologic and urologic tumors.
- ♦ It contains practical exercises where the self-evaluation process can be carried out to improve learning.
- ♦ Clinical and diagnostic imaging and testing iconography.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ With special emphasis on evidence-based medicine and research methodologies in gynecologic and urologic tumors.
- ♦ All of this will be complemented by 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.

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*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 designed to train in real situations”*

The teaching staff includes professionals from the field of Radiotherapy Treatment of Gynecologic and Urologic 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.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. 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 and Urologic Tumors with extensive teaching experience.

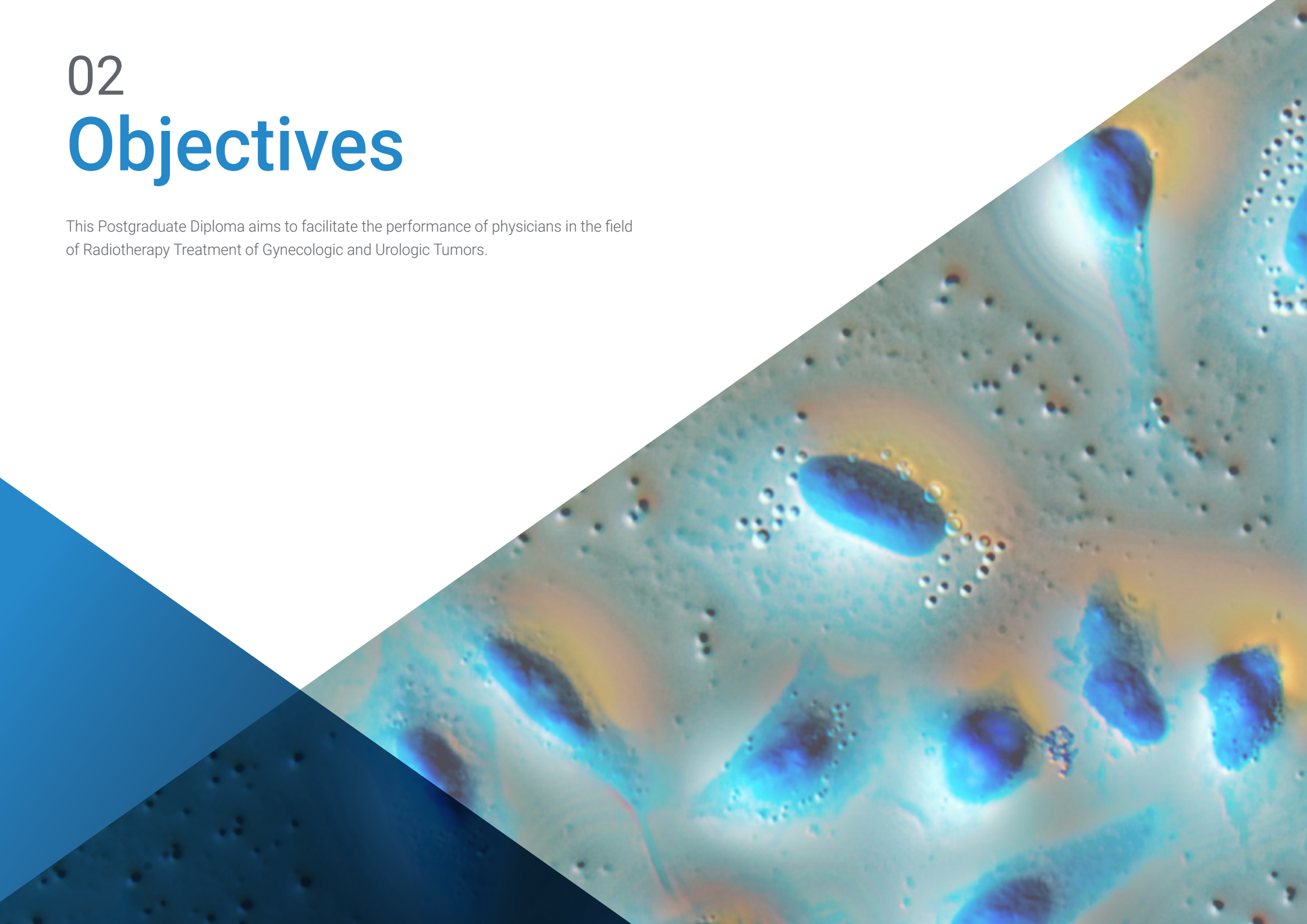
*Train with us and update your knowledge in order to offer more efficient and personalized care to your patients.*

*Don't miss the opportunity and get up to date on advances in the treatment of gynecologic and urologic tumors in order to incorporate them into your daily medical practice.*



# 02 Objectives

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





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*If you want to know the latest innovations in the radiotherapy treatment of gynecologic and urologic tumors, don't think twice about taking this course which will allow you to obtain a qualification from the main private education institution TECH Technology University”*



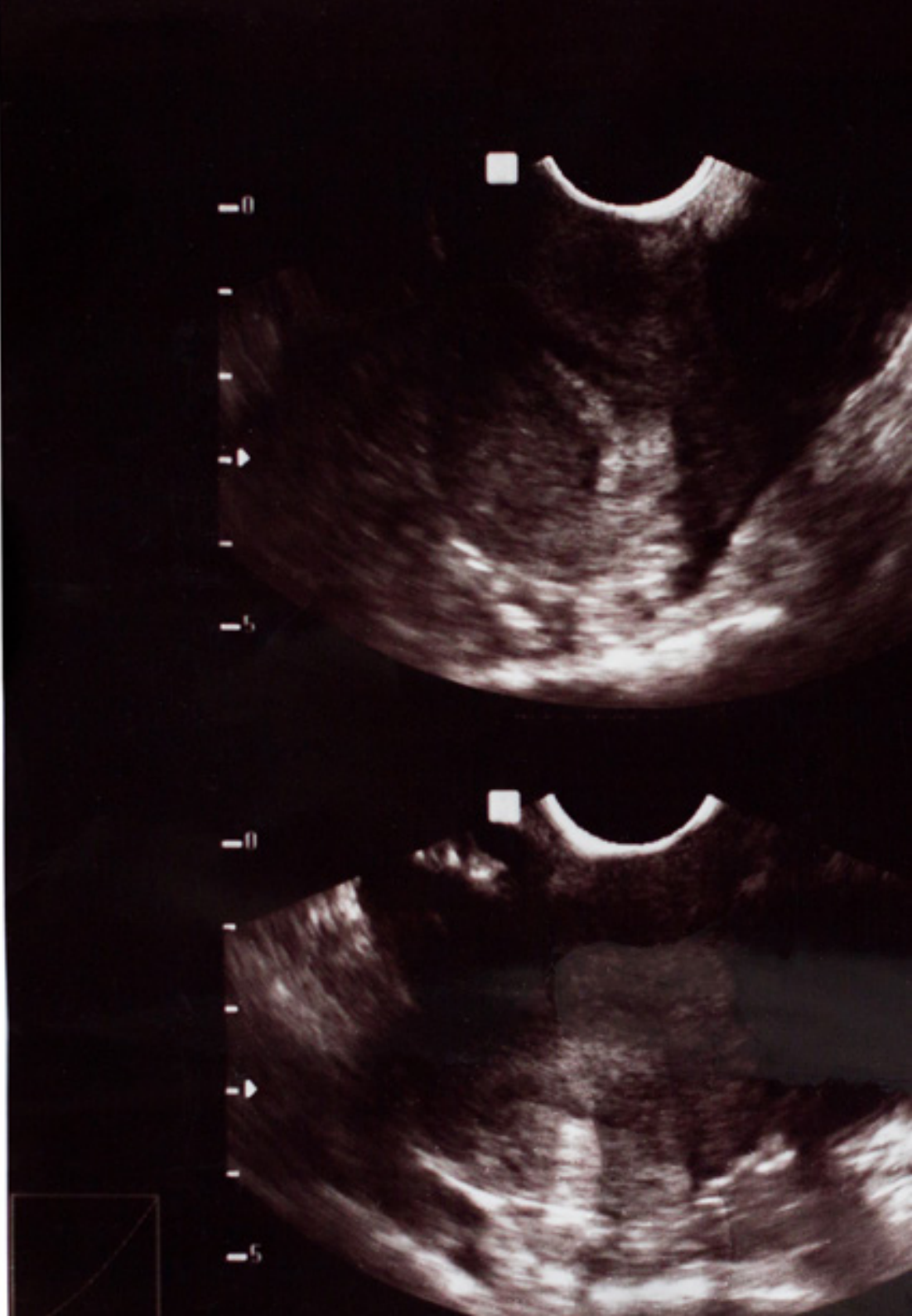
## General Objective

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



*This Postgraduate Diploma offers you the opportunity to train with renowned specialists from prestigious universities, who will help you to update your knowledge in this field"*





## Specific Objectives

- ♦ Analyze how the advances of the last decades in both diagnosis and treatment of cancer have managed to increase survival rates.
- ♦ 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 role of each one in the management of different gynecologic and urologic 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.
- ♦ Understand the causes and consequences of malnutrition in oncology patients, as well as nutritional risk factors.
- ♦ Know the best indications for radiotherapy treatment of different gynecologic and urologic tumors.

03

# Course Management

The program's teaching staff includes leading specialists in radiotherapy treatment of gynecologic and urologic 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.



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*Dive into this specialist training in Radiotherapy Treatment of Gynecologic and Urologic Tumors and learn from leading professionals in the field”*

## 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

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

## Management



### 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.





### 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.

## Coordinators

### Dr. Celada Álvarez, Francisco Javier

- ♦ Adjunct physician of the Radiation Oncology Service
- ♦ 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. Castilla La Mancha University.

### Dr. Palacios Eito, Amalia

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

### Dr. Romero Fernández, Jesús

- ♦ Head of Radiation Oncology Service
- ♦ Puerto de Hierro University Hospital Majadahonda.

**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.

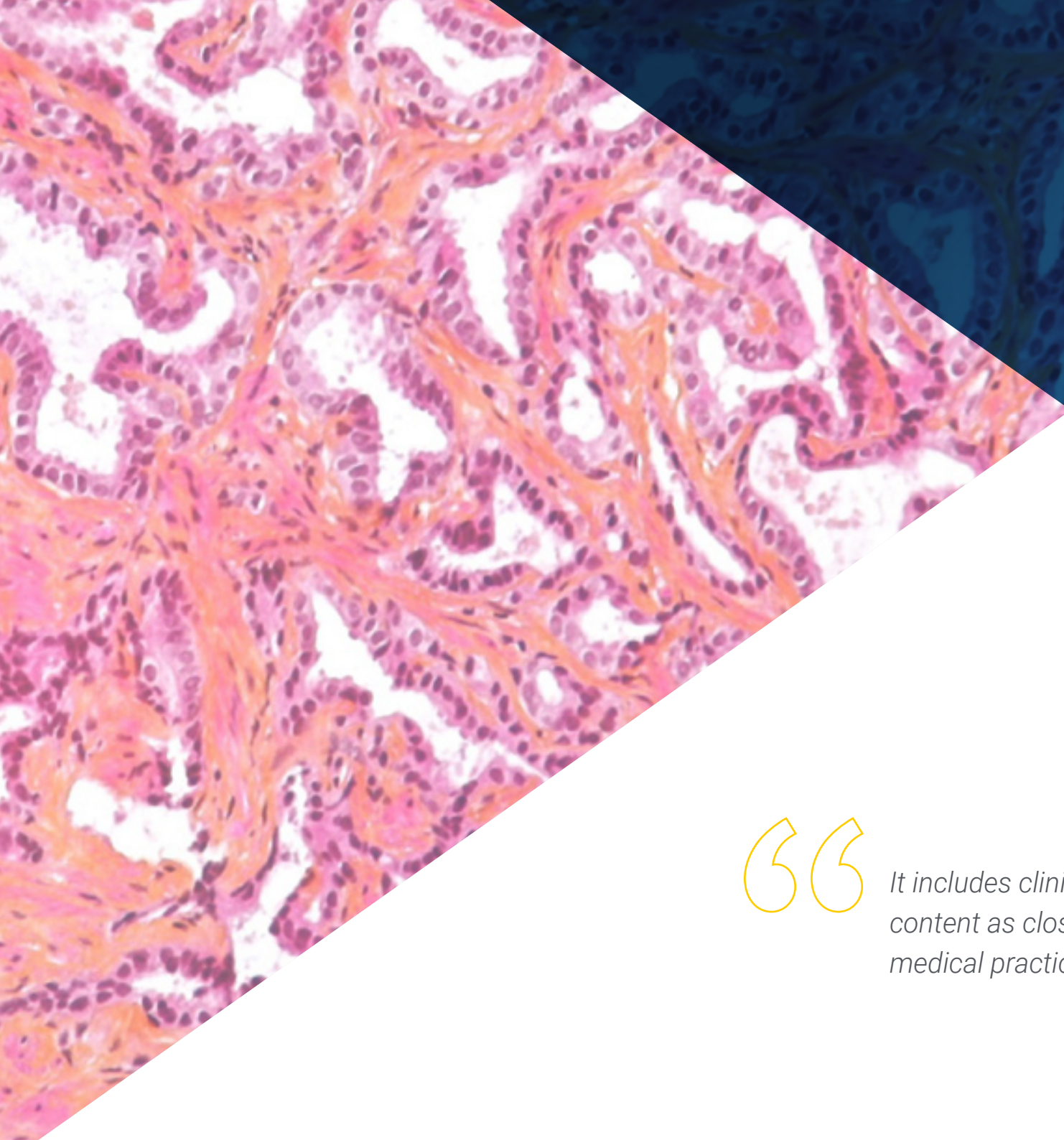


# 04

# 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 and urologic 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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*It includes clinical cases to bring the program content as close as possible to the reality of medical practice”*

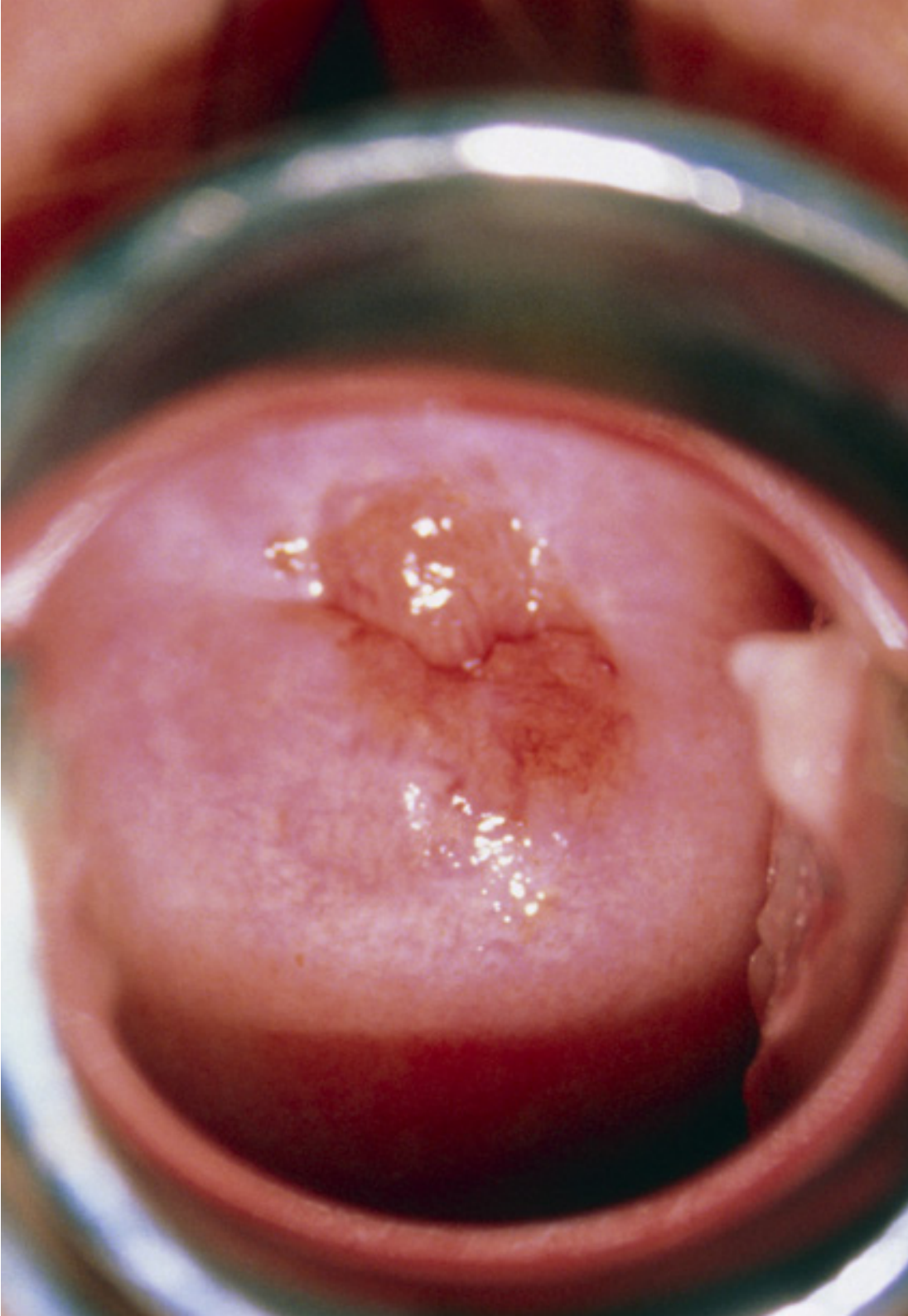
## Module 1. Basis of Radiotherapy Treatment Radiobiology

- 1.1. Biological Effects of Ionizing Radiations
  - 1.1.1. DNA Damage
  - 1.1.2. Non-Clonal Effects
- 1.2. Dose Fractionation
  - 1.2.1. Linear-Quadratic Model
  - 1.2.2. Time Factor in Radiotherapy
  - 1.2.3. Altered Subdivisions
- 1.3. Oxygen Effect and Tumor Hypoxia
- 1.4. Radiobiology of Brachytherapy
- 1.5. Effects of Irradiation on Healthy Tissues
- 1.6. Combination of Irradiation with Drugs
- 1.7. Predictive Assays of Response to Radiotherapy
- 1.8. Radiobiology of Re-Irradiation
- 1.9. Effects of Irradiation on the Embryo and Fetus
- 1.10. Radiation-Induced Carcinogenesis

## Module 2. Update on Radiotherapy Treatment of Gynecologic Tumors

- 2.1. Endometrial Cancer
  - 2.1.1. Epidemiological Aspects
  - 2.1.2. Risk Factors
  - 2.1.3. Anatomy Recap
  - 2.1.4. Histological Type
  - 2.1.5. Dissemination Pathways
  - 2.1.6. Classification
  - 2.1.7. Prognostic Factors
  - 2.1.8. Surgical Treatment
  - 2.1.9. Adjuvant Early Stage Radiotherapy Treatment
  - 2.1.10. Advanced Disease
  - 2.1.11. Local, Regional, Distant Relapse
  - 2.1.12. Follow up
- 2.2. Uterine Sarcomas.
  - 2.2.1. Epidemiological Aspects

- 2.2.2. Risk Factors.
  - 2.2.3. Anatomy Recap.
  - 2.2.4. Histological Type
  - 2.2.5. Dissemination Pathways
  - 2.2.6. Classification
  - 2.2.7. Prognostic Factors
  - 2.2.8. Surgical Treatment
  - 2.2.9. Adjuvant Early Stage Radiotherapy Treatment
  - 2.2.10. Advanced Disease
  - 2.2.11. Local, Regional, Distant Relapse
  - 2.2.12. Follow up
- 2.3. Cervical Cancer
  - 2.3.1. Epidemiological Aspects
  - 2.3.2. Risk Factors.
  - 2.3.3. Anatomy Recap.
  - 2.3.4. Histological Type
  - 2.3.5. Dissemination Pathways.
  - 2.3.6. Classification.
  - 2.3.7. Prognostic Factors
  - 2.3.8. Surgical Treatment.
  - 2.3.9. Adjuvant Early Stage Radiotherapy Treatment
  - 2.3.10. Advanced Disease
  - 2.3.11. Local, Regional, Distant Relapse
  - 2.3.12. Follow up
- 2.4. Vulvar Cancer.
  - 2.4.1. Epidemiological Aspects
  - 2.4.2. Risk Factors.
  - 2.4.3. Anatomy Recap.
  - 2.4.4. Histological Type
  - 2.4.5. Dissemination Pathways.
  - 2.4.6. Classification.
  - 2.4.7. Prognostic Factors
  - 2.4.8. Surgical Treatment.

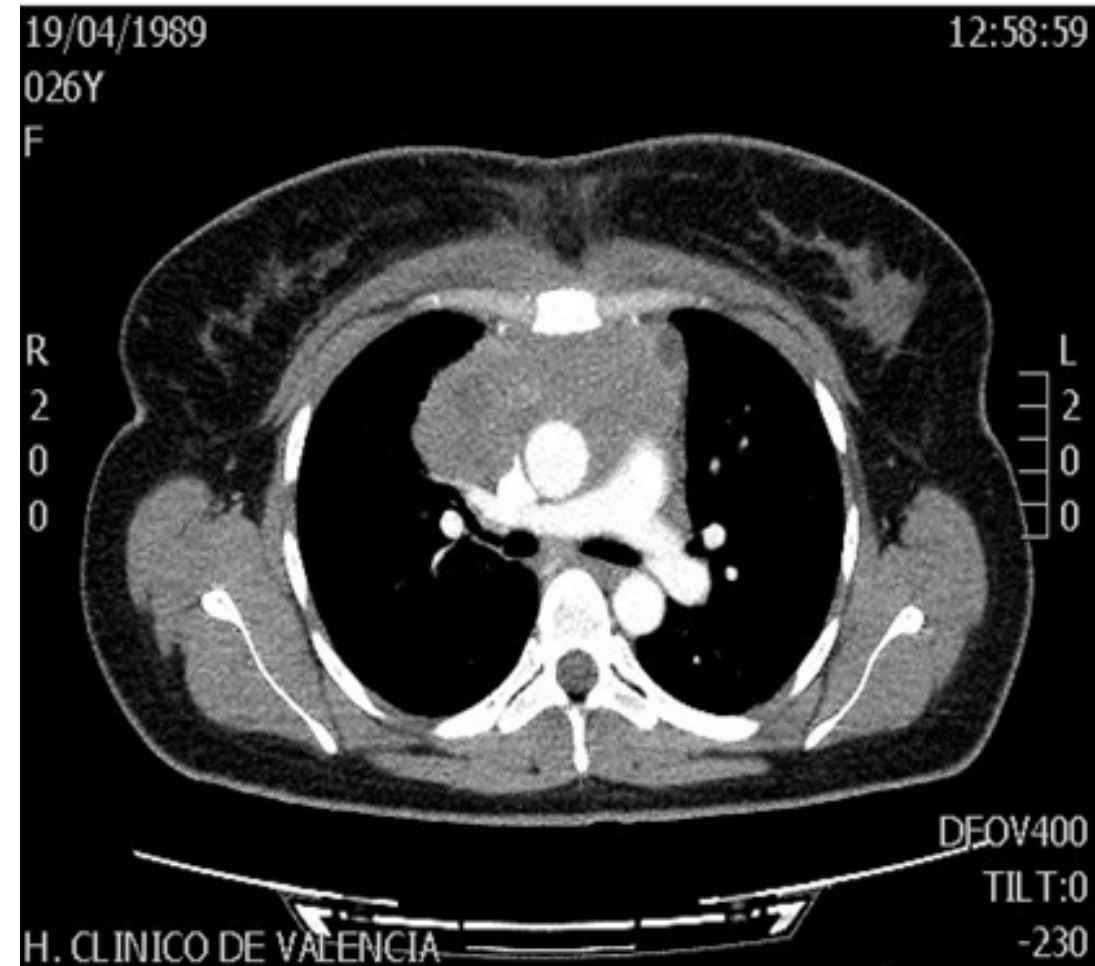


- 2.4.9. Adjuvant Early Stage Radiotherapy Treatment
- 2.4.10. Advanced Disease
- 2.4.11. Local, Regional, Distant Relapse
- 2.4.12. Follow up
- 2.5. Vagina Cancer.
  - 2.5.1. Epidemiological Aspects
  - 2.5.2. Risk Factors.
  - 2.5.3. Anatomy Recap.
  - 2.5.4. Histological Type
  - 2.5.5. Dissemination Pathways.
  - 2.5.6. Classification.
  - 2.5.7. Prognostic Factors
  - 2.5.8. Surgical Treatment.
  - 2.5.9. Adjuvant Early Stage Radiotherapy Treatment
  - 2.5.10. Advanced Disease
  - 2.5.11. Local, Regional, Distant Relapse
  - 2.5.12. Follow up
- 2.6. Fallopian Tube and Ovarian Cancer
  - 2.6.1. Epidemiological Aspects
  - 2.6.2. Risk Factors.
  - 2.6.3. Anatomy Recap.
  - 2.6.4. Histological Type
  - 2.6.5. Dissemination Pathways.
  - 2.6.6. Classification.
  - 2.6.7. Prognostic Factors
  - 2.6.8. Surgical Treatment.
  - 2.6.9. Adjuvant Early Stage Radiotherapy Treatment
  - 2.6.10. Advanced Disease
  - 2.6.11. Local, Regional, Distant Relapse
  - 2.6.12. Follow up

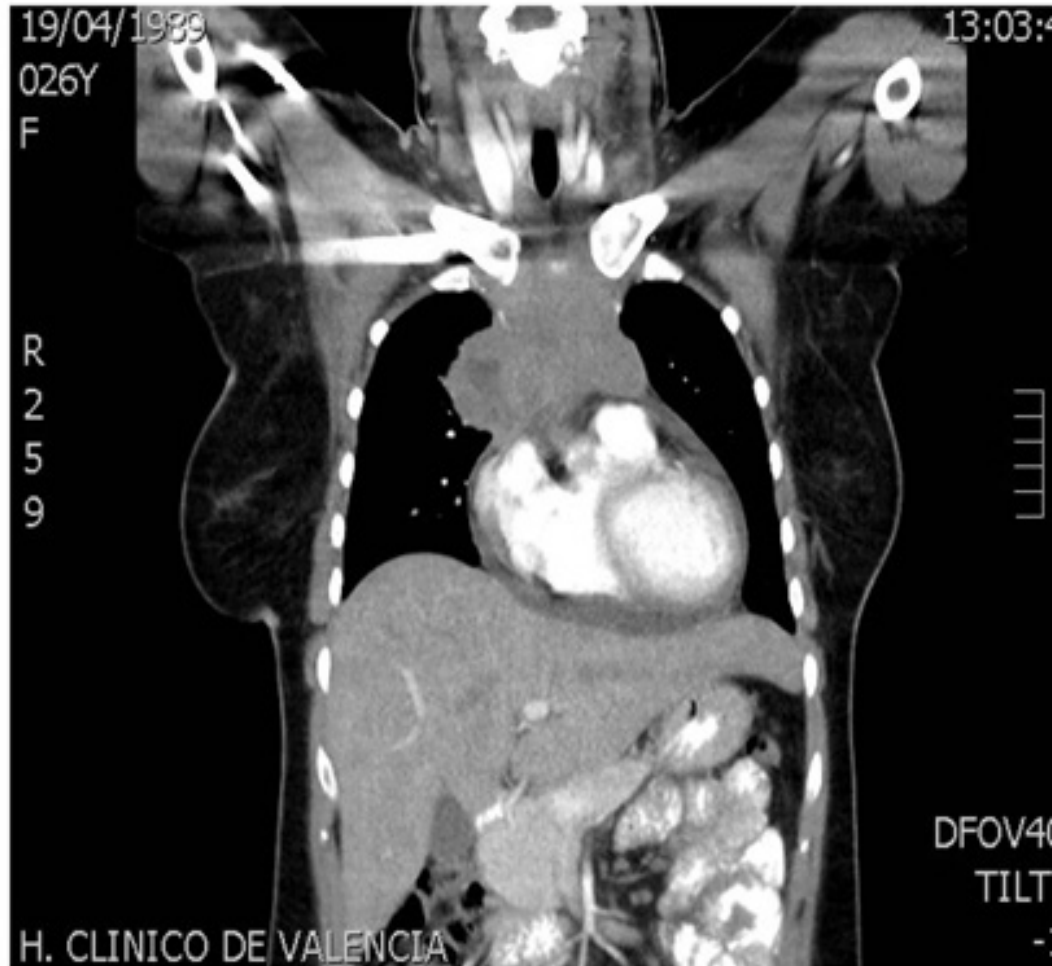
**Module 3.** Update on Radiotherapeutic Treatment of Prostate and Other Urological Tumors

- 3.1. Prostate Cancer
  - 3.1.1. Low Risk
  - 3.1.2. Intermediate Risk
    - 3.1.2.1. Definition of Intermediate Risk Prostate Cancer
    - 3.1.2.2. Subclassification of Intermediate Risk Prostate Cancer
      - 3.1.2.2.1. Importance of Gleason 7
    - 3.1.2.3. Diagnosis and Extension Study
    - 3.1.2.4. Treatment
      - 3.1.2.4.1. Active Surveillance
      - 3.1.2.4.2. Radical Prostatectomy
      - 3.1.2.4.3. Radiotherapy Techniques and Requirements
        - 3.1.2.4.3.1. Role of External Radiation Therapy
        - 3.1.2.4.3.2. The Role of Brachytherapy
        - 3.1.2.4.3.3. The Role of Stereotactic Body Radiotherapy SBRT
        - 3.1.2.4.3.4. Combined Treatments
      - 3.1.2.4.4. Hormone Therapy. When and How Much?
      - 3.1.2.4.5. The Best Option for Each Patient
    - 3.1.2.5. Follow up
    - 3.1.2.6. Conclusions
  - 3.1.3. High Risk
  - 3.1.4. Local and/or Distant Relapse Treatment
    - 3.1.4.1. Treatment of Local Relapse
      - 3.1.4.1.1. After Prostatectomy
      - 3.1.4.1.2. After Radiotherapy
        - 3.1.4.1.2.1. Rescue Surgery
        - 3.1.4.1.2.2. Rescue Cryotherapy
        - 3.1.4.1.2.3. Rescue Brachytherapy
        - 3.1.4.1.2.4. High Intensity Focused Ultrasound (HIFU)
        - 3.1.4.1.2.5. Intermittent Hormone Rescue

**Fig. 1**





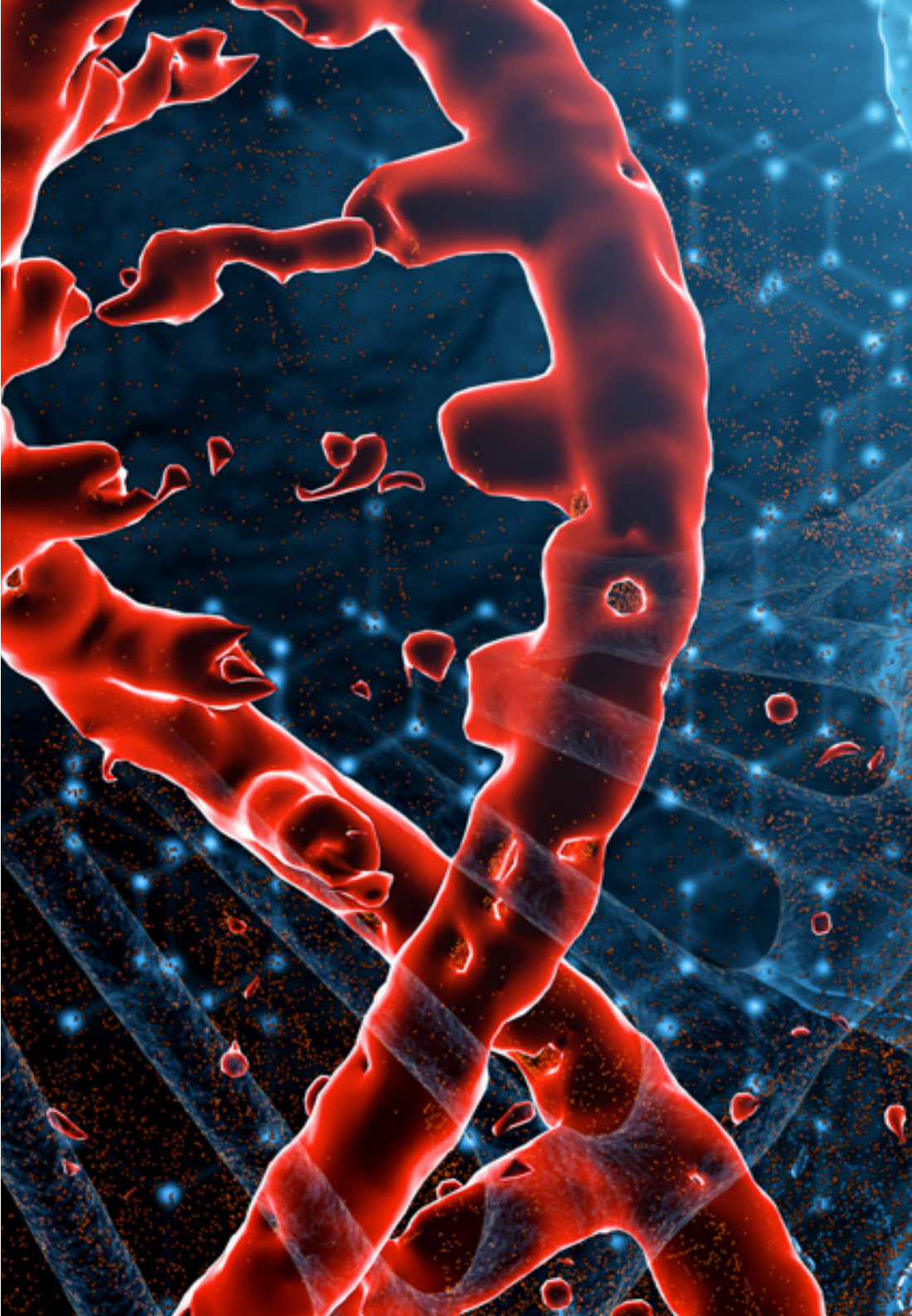
**Fig. 2**

- 3.1.4.2. Treatment of Distant Relapse
  - 3.1.4.2.1. Metastatic Patient
  - 3.1.4.2.2. Oligorecurrent Patient
    - 3.1.4.2.2.1. Hormonal Treatment
    - 3.1.4.2.2.2. Surgical Treatment
    - 3.1.4.2.2.3. SBRT Treatment
- 3.2. Preoperative and Postoperative Radiotherapy in Bladder Cancer
  - 3.2.1. Introduction
  - 3.2.2. Preoperative Radiotherapy
    - 3.2.2.1. Bibliographic Review
    - 3.2.2.2. Indications
  - 3.2.3. Postoperative Radiotherapy
    - 3.2.3.1. Bibliographic Review
    - 3.2.3.2. Indications
  - 3.2.4. Organ Conservative Treatment
- 3.3. Testicular Tumors
  - 3.3.1. Introduction
  - 3.3.2. Histological Type
  - 3.3.3. TNM Classification and Prognostic Groups
  - 3.3.4. Germinal Tumors: Treatment According to Stage and Prognostic Group
    - 3.3.4.1. Seminoma
    - 3.3.4.2. Non-Seminoma
  - 3.3.5. Toxicity of Chemotherapy and Radiotherapy
  - 3.3.6. Secondary Neoplasms
  - 3.3.7. Non-Germ Cell Tumours
- 3.4. Renal, Ureteral, and Urethral Tumors
  - 3.4.1. Kidney Tumors
    - 3.4.1.1. Clinical Presentation
    - 3.4.1.2. Diagnosis
    - 3.4.1.3. Localized Disease Treatment
    - 3.4.1.4. Advanced Disease Treatment

- 3.4.2. Urethral Tumors
  - 3.4.2.1. Clinical Presentation: Men vs. Women
  - 3.4.2.2. Diagnosis
  - 3.4.2.3. Treatment
- 3.4.3. Ureter and Renal Pelvis Tumors
  - 3.4.3.1. Risk Factors
  - 3.4.3.2. Presentation: Primary Tumor-Metastasis
  - 3.4.3.3. Symptoms/Clinical
  - 3.4.3.4. Diagnosis
  - 3.4.3.5. Localized Disease Treatment
  - 3.4.3.6. Advanced Disease Treatment
- 3.5. Penis Cancer
  - 3.5.1. Adjuvant Treatment
  - 3.5.2. Radical Treatment
- 3.6. Treatment of Adrenal Metastases
  - 3.6.1. Introduction
  - 3.6.2. Surgery
  - 3.6.3. Stereotactic Body Radiotherapy (SBRT)

## Module 4. Pain and Nutrition in Radiation Oncology

- 4.1. General Information on Oncologic Pain.
  - 4.1.1. Epidemiology.
  - 4.1.2. Prevalence.
  - 4.1.3. Impact of Pain.
  - 4.1.4. Multidimensional Concept of Cancer Pain.
- 4.2. Characterization of Pain.
  - 4.2.1. Types of Oncologic Pain.
  - 4.2.2. Evaluation of Oncologic Pain.
  - 4.2.3. Prognosis of Pain.
  - 4.2.4. Classification.
  - 4.2.5. Diagnostic Algorithm
- 4.3. General Principles of Pharmacological Treatment.
- 4.4. General Principles of Radiotherapy Treatment.
  - 4.4.1. External Radiotherapy.
  - 4.4.2. Dosages and Fractions.
- 4.5. Bisphosphonates.
- 4.6. Radiopharmaceuticals in the Management of Metastatic Bone Pain.
- 4.7. Pain in Long-Term Survivors.
- 4.8. Nutrition and Cancer.
  - 4.8.1. Concept of Malnutrition.
  - 4.8.2. Prevalence of Malnutrition.
  - 4.8.3. Causes and Consequences of Malnutrition in Oncology Patients.
  - 4.8.4. Mortality and Survival.
  - 4.8.5. Nutritional Risk Factors in Oncology Patients.
  - 4.8.6. Objectives of Nutritional Support.
- 4.9. Cachexia.
- 4.10. Initial Nutritional Assessment in a Radiation Oncology Service.
  - 4.10.1. Diagnostic Algorithm
  - 4.10.2. Specific Treatment
  - 4.10.3. General Dietary Recommendations.
  - 4.10.4. Specific Individualized Recommendations.
- 4.11. Nutritional Assessment During Monitoring in a Radiation Oncology Service.



“

*Don't miss this opportunity to train with us and acquire the necessary skills to give your all in your job”*

05

# Methodology

This training 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. 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 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 the physician's professional practice.

“

*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.

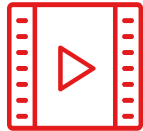
*Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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

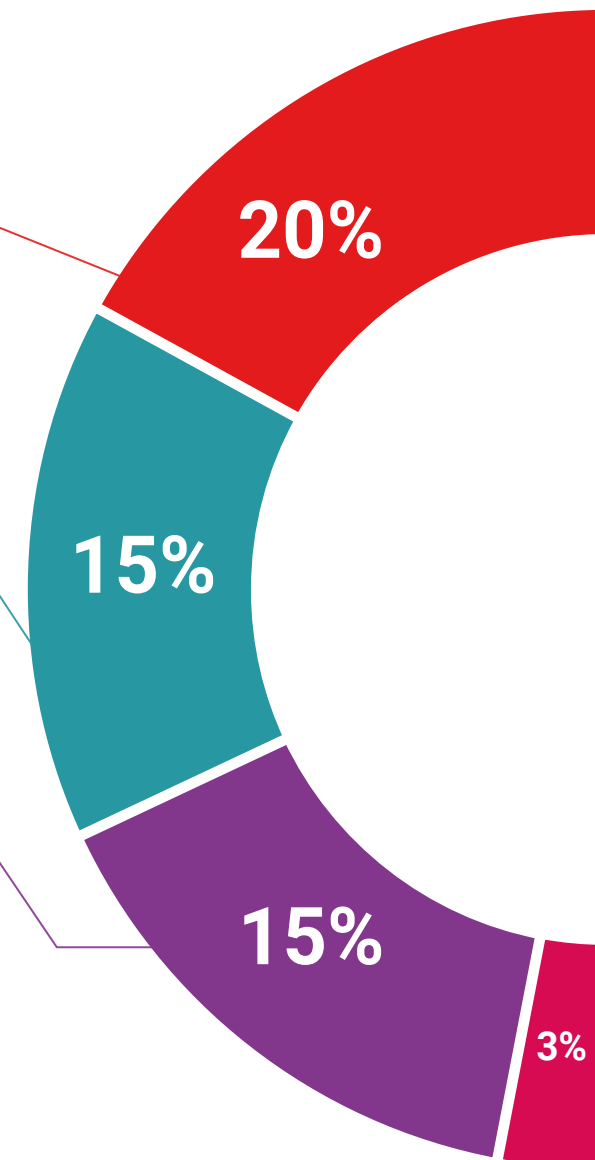
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

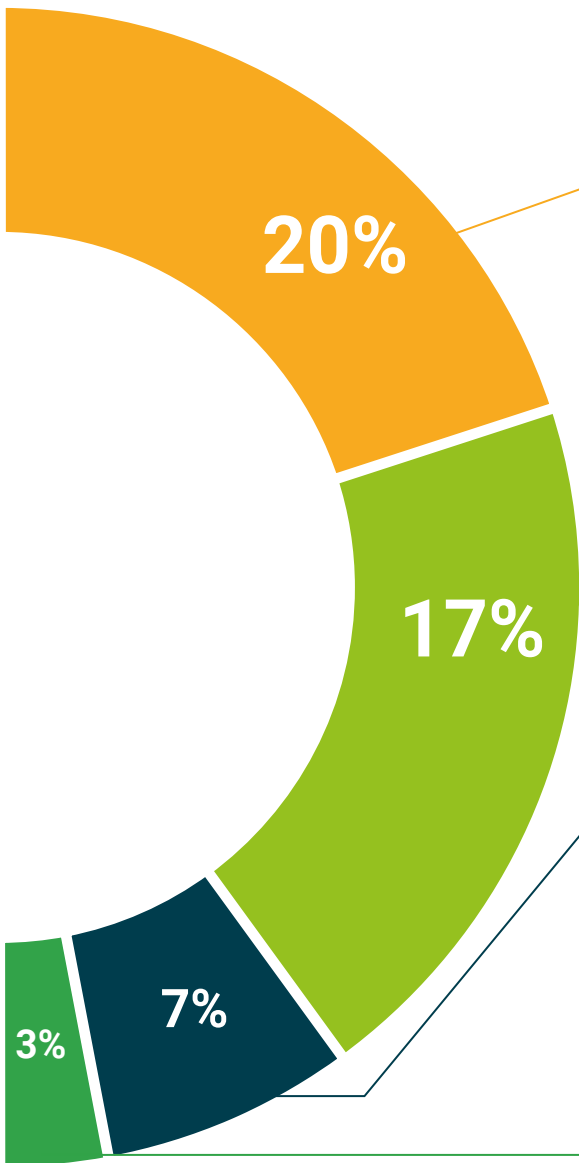
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### 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 Diploma in Radiotherapy Treatment of Gynecologic and Urologic Tumors** guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by **TECH Global University**.



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

This program will allow you to obtain your **Postgraduate Diploma in Radiotherapy Treatment of Gynecologic and Urologic 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 Diploma in Radiotherapy Treatment of Gynecologic and Urologic Tumors**

Modality: **online**

Duration: **6 months**

Accreditation: **17 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.

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



**Postgraduate Diploma**  
Radiotherapy Treatment  
of Gynecologic and  
Urologic Tumors

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 17 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Diploma

## Radiotherapy Treatment of Gynecologic and Urologic Tumors

