

Postgraduate Diploma

Radiotherapy Treatment of Tumors of the Thoracic Region





Postgraduate Diploma Radiotherapy Treatment of Tumors of the Thoracic Region

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

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-radiotherapy-treatment-tumors-thoracic-region

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01

Introduction

Cancer is one of the main causes of death worldwide. Among the different types of tumors, those of the lungs and breast affect the highest number of people. In this sense, it is important that oncologists undergo constant training in order to know the latest advances in the field of radiotherapy and be able to apply them to their patients. Training courses like this Postgraduate Diploma in Radiotherapy Treatment of Thoracic and Breast Tumors will give the physician the necessary tools to improve their diagnosis and treatment.





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

The specialty of radiation oncology is one that undergoes the greatest technological development every year. And these advances allow us to control the symptoms in these patients and, in best case scenarios, cure the illness. Radiotherapy is one of the most effective treatments for curing cancer, which is why more than half of cancer patients receive radiation treatment, whether it's the only treatment they receive or combined with other treatments.

The fact that continuous advances are being made in this field makes it necessary for oncologists to be constantly trained and to be aware of the new developments, enabling them to offer the most personalized and effective treatment to each patient.

Therefore, with courses such as this Professional Diploma, in which the student can update their knowledge in a comfortable way, 100% online, the professional will be aware of the latest research, allowing them to provide the best care to their patients.

In the case of this training, the professional will gain in-depth understanding of radiotherapy treatment, its most common indications in each case and knowledge of studies conducted in this field. But on this occasion, the focus will be on breast tumors and thoracic tumors, of which lung tumor is one of the most common in the world. Therefore, don't miss this opportunity to complete your training with one of the most comprehensive educational programs in the market. It will allow you to complement your knowledge in the field of oncology with a detailed and updated review of the most relevant technical and conceptual advances in the field.

This **Postgraduate Diploma in Radiation Treatment of Tumors of the Thoracic Region** 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 Tumors of the Thoracic Region.
- ♦ 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 thoracic and breast 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 thoracic and breast 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.



Update your knowledge in the field of radiotherapy thanks to this Postgraduate Diploma which will allow you to be up-to-date on the latest developments in the field"

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Improve your knowledge in radiotherapy of thoracic and breast tumors through this program, where you will find the best teaching material with real case studies and an interactive video system. Learn here about the latest advances in the specialty to be able to perform a quality medical practice"

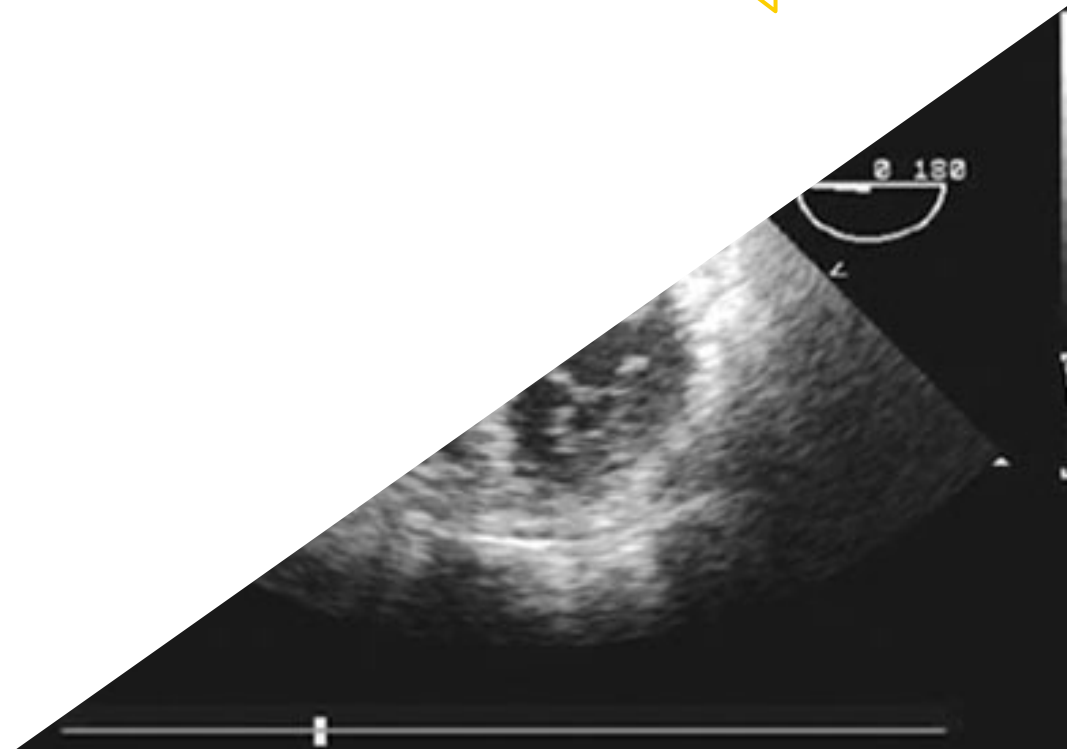
The teaching staff includes professionals from the field of Radiotherapy Treatment of Tumors of the Thoracic Region, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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 Thoracic Tumors with extensive teaching experience.

The teaching staff includes renowned specialists from prestigious universities.

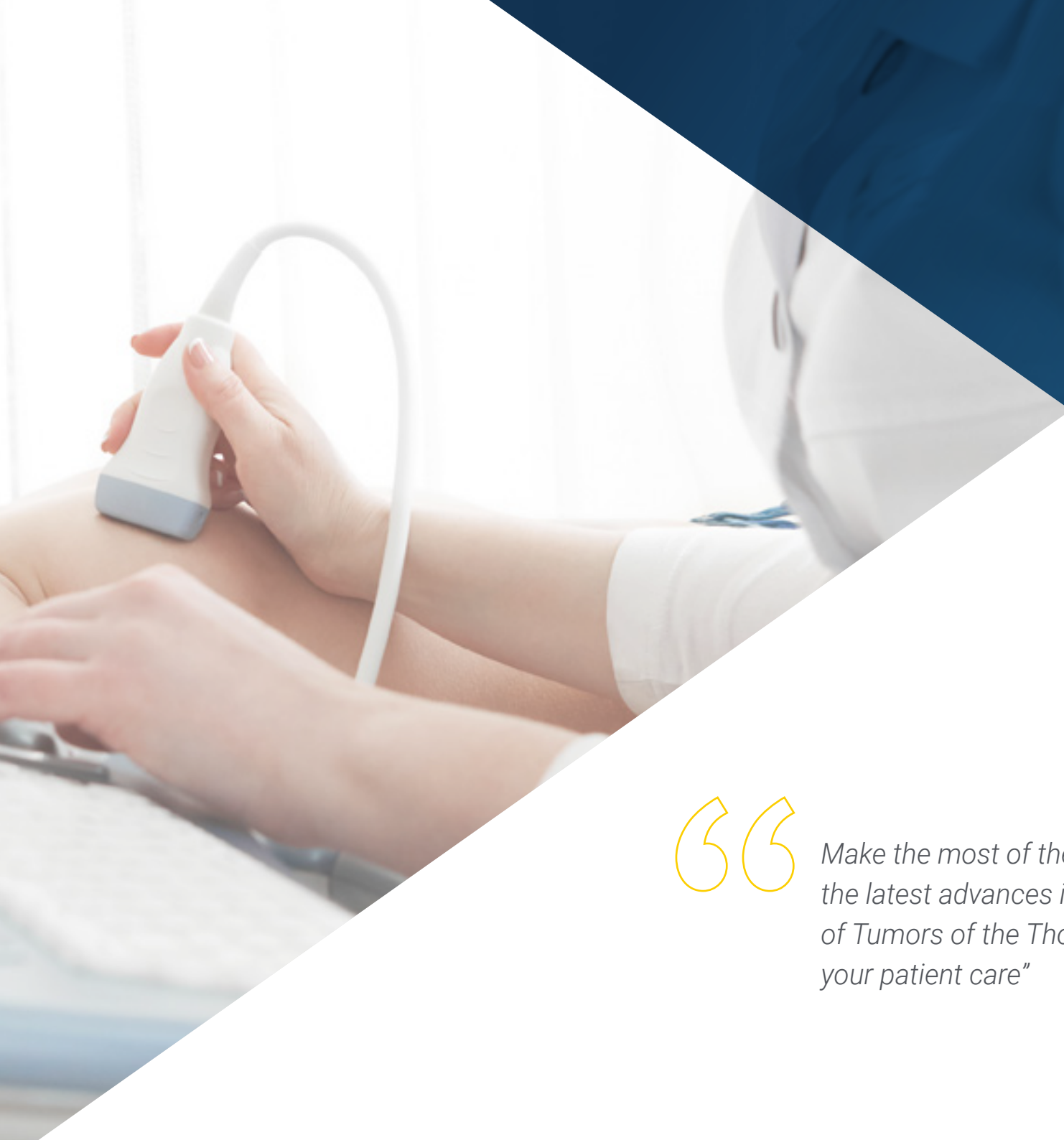
This program will provide you with a sense of confidence in your medical practice, which will help you grow personally and professionally.



02 Objectives

This Postgraduate Diploma aims to facilitate the performance of physicians in the field of Radiotherapy Treatment of Tumors of the Thoracic Region.





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Make the most of the opportunity to learn about the latest advances in Radiotherapy Treatment of Tumors of the Thoracic Region and improve your patient care”



General Objective

- Create a global and updated vision of Radiotherapy Treatment of Thoracic and Breast 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.



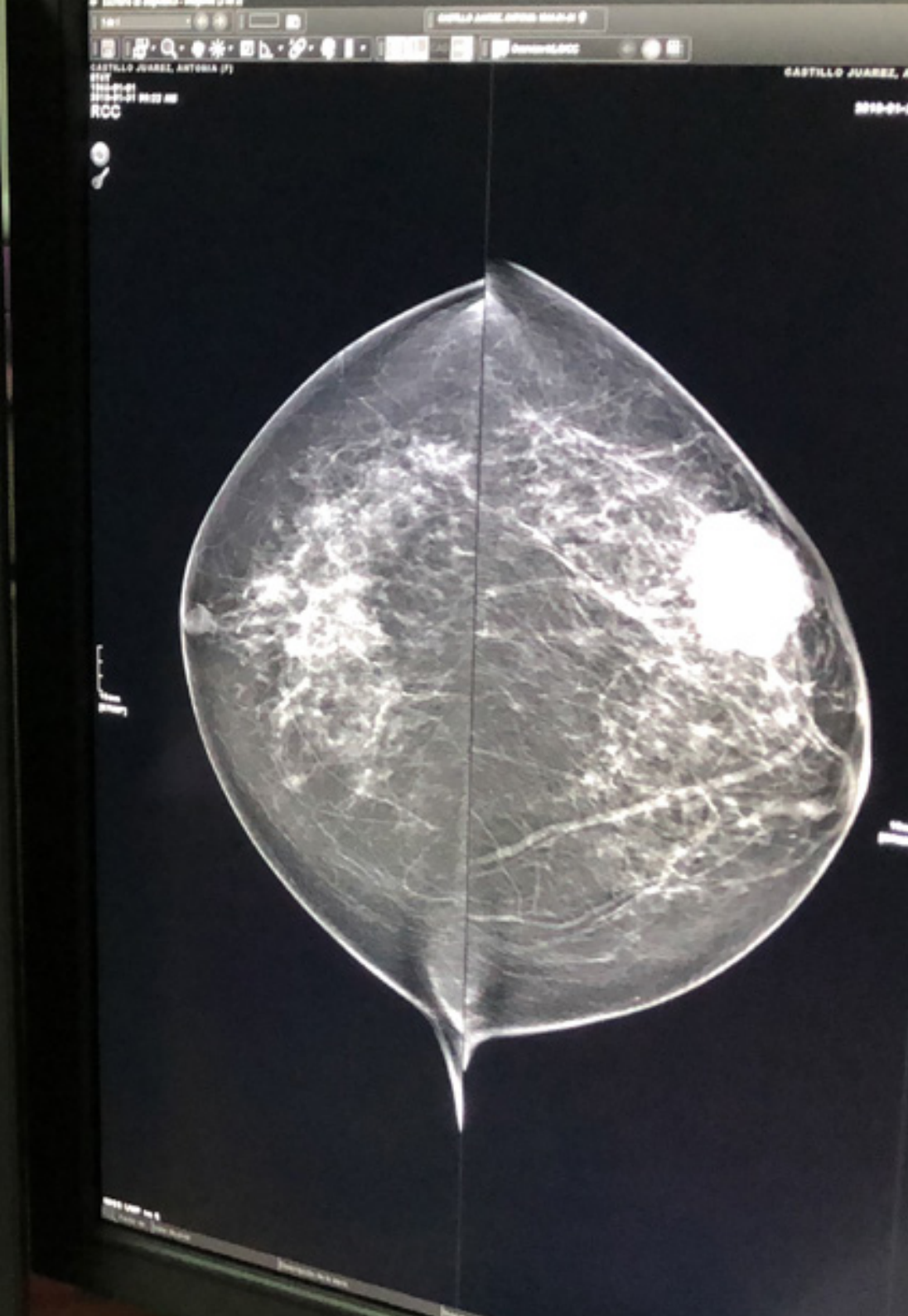
Discover the best treatments for the different types of thoracic and breast tumors in order to provide better care for your patients”





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 roles of each technique in the management of different thoracic and breast 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 thoracic and breast tumors.



03

Course Management

The program's teaching staff includes leading specialists in radiotherapy treatment of tumors of the thoracic region 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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Make the most of this opportunity and train with the best teaching staff that you could find, who bring their vast experience to this course, allowing you to complete your specialist training in the field of Radiotherapy Treatment of Tumors of the Thoracic Region”

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

- 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 Sofía 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 thoracic and breast 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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Make the most of this Postgraduate Diploma, update your knowledge, broaden your training and obtain a certified qualification from the private educational institution TECH Global University”

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

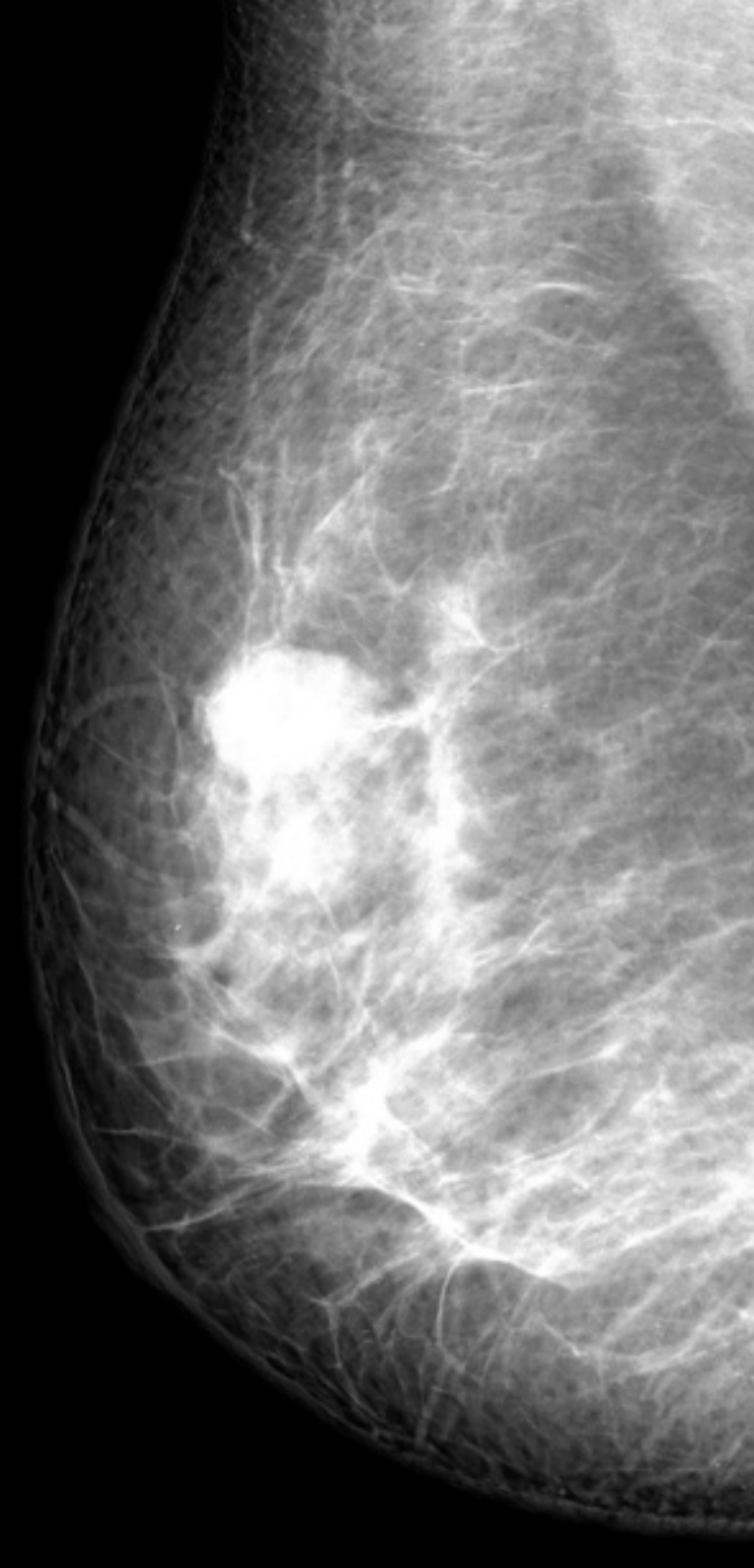
Module 2. Update of Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)

- 2.1. Non-Small Cell Lung Cancer
 - 2.1.1. General Information on Non-Small Cell Lung Cancer
 - 2.1.2. Early Stage Radiotherapy Treatment
 - 2.1.3. Radical Radiotherapy Treatment in Locally Advanced Stages
 - 2.1.4. Postoperative Radiotherapy Treatment
 - 2.1.5. Palliative Radiotherapy Treatment
- 2.2. Small Cell Lung Cancer
 - 2.2.1. General Information on Small-Cell Lung Cancer
 - 2.2.2. Radiotherapy Treatment in Limited-Disease of the Thorax.
 - 2.2.3. Radiotherapy Treatment in Extended-Disease
 - 2.2.4. Prophylactic Cranial Irradiation
 - 2.2.5. Palliative Radiotherapy Treatment
- 2.3. Uncommon Thoracic Tumors

- 2.3.1. Thymic Tumors
 - 2.3.1.1. General Information on Thymic Tumors
 - 2.3.1.2. Radiotherapy Treatment of Thymic Carcinoma
 - 2.3.1.3. Radiotherapy Treatment of Thymomas
- 2.3.2. Carcinoid Lung Tumors
 - 2.3.2.1. General Information on Carcinoid Lung Tumors
 - 2.3.2.2. Radiotherapy Treatment of Carcinoid Lung Tumors
- 2.3.3. Mesothelioma
 - 2.3.3.1. General Information on Mesotheliomas
 - 2.3.3.2. Radiotherapy Treatment of Mesotheliomas (Adjuvant, Radical, Palliative)
- 2.4. Primary Cardiac Tumors
 - 2.4.1. General Information on Cardiac Tumors
 - 2.4.2. Radiotherapy Treatment of Cardiac Tumors
- 2.5. Pulmonary Metastases
 - 2.5.1. General Information on Pulmonary Metastases
 - 2.5.2. Definition of Oligometastatic Lung Status
 - 2.5.3. Radiotherapy Treatment in Pulmonary Oligometastases

Module 3. Update on Radiotherapy Treatment in Breast Tumors

- 3.1. Introduction to Infiltrating Breast Cancer
 - 3.1.1. Etiology
 - 3.1.2. Epidemiology
 - 3.1.3. Advantages of Screening: Overdiagnosis and Cost Overruns
 - 3.1.4. Clinical and Pathological Staging
 - 3.1.5. Radiological Diagnosis
 - 3.1.6. Histological Diagnosis: Molecular Subtypes
 - 3.1.7. Prognosis
- 3.2. General Information on Radiotherapy Treatment of Breast Cancer
 - 3.2.1. Simulation Process: Positioning and Immobilization Systems
 - 3.2.2. Image Acquisition and Volume Delimitation
 - 3.2.3. Techniques: 3D-CRT, Evidence of IMRT/VMAT Use in Breast Cancer
 - 3.2.4. Dosage, Fractionation and Constraints
 - 3.2.5. Breath Hold



- 3.2.6. Image-Guided Radiation Therapy (IGRT)
- 3.2.7. Radiotherapy in the Presence of Cardiac Devices
- 3.3. Indications for Radiotherapy on the Breast After Conservative Treatment in Infiltrating Breast Cancer
 - 3.3.1. Exclusive Preoperative Radiotherapy
 - 3.3.2. Adjuvant Radiotherapy After Conservative Surgery and/or Primary Systemic Therapy
 - 3.3.3. Evidence in Subdivisions
 - 3.3.4. Better Conservative Treatment than Mastectomy?
 - 3.3.5. Radiotherapy according to Molecular Subtype?
- 3.4. Indications for Radiotherapy after Mastectomy in Infiltrating Breast Cancer
 - 3.4.1. Radiotherapy Post Mastectomy According to Type of Surgery
 - 3.4.2. Radiotherapy Post Mastectomy in N0 Cancer Radiotherapy according to Molecular Subtype?
 - 3.4.3. Radiotherapy Post Mastectomy in Complete Response After Primary Systemic Treatment
 - 3.4.4. Rib Wall Hypofractionation
 - 3.4.5. Inflammatory Carcinoma
- 3.5. Radiotherapy and Post-Mastectomy Breast Reconstruction
 - 3.5.1. Types of Surgery (Radical Mastectomy, Skin Sparing, CAP Preservation...).
 - 3.5.2. Types of Reconstruction and Advantages/Disadvantages of RT Before or After RT.
 - 3.5.3. Hypofractionation in Reconstructed Patient
- 3.6. Management of the Axilla for the Radiation Oncologist Radiotherapy Indication in Chains
 - 3.6.1. Nodal Staging in Diagnosis and Sentinel Node Detection Methods
 - 3.6.2. RT After Lymphadenectomy and After Positive Sentinel Gland at the Time of Surgery
 - 3.6.3. RT After Sentinel Node Before/After Primary Systemic Therapy
 - 3.6.4. Hypofractionation in Chains
 - 3.6.5. Risk of Plexopathy
- 3.7. Boost: Indications and Radiotherapy Techniques
 - 3.7.1. Justification for the Implementation of the Boost
 - 3.7.2. Indications After Conservative Surgery, Oncoplastic Surgery and Mastectomy

- 3.7.3. External Radiotherapy Techniques Simultaneous Integrated Boost (SIB)
- 3.7.4. Brachytherapy
- 3.7.5. Intraoperative Radiotherapy (IORT)
- 3.8. Partial Breast Irradiation: Indications and Radiotherapy Techniques
 - 3.8.1. Justification for Performing Magnetic Particle Imaging (MPI)
 - 3.8.2. Preoperative Radiotherapy
 - 3.8.3. External Radiotherapy RTC3D Intensity-Modulated Radiation Therapy (IMRT) Stereotactic Body Radiotherapy (SBRT)
 - 3.8.4. Brachytherapy
 - 3.8.5. Intraoperative Radiotherapy (IORT)
- 3.9. Radiotherapy in Non-Invasive Carcinoma
 - 3.9.1. Introduction
 - 3.9.1.1. Etiology
 - 3.9.1.2. Epidemiology
 - 3.9.1.3. Advantages of Screening
 - 3.9.2. Indications After Conservative Surgery and Evidence After Mastectomy
 - 3.9.3. Genetic Platform in Ductal Carcinoma In Situ (DCIS)
- 3.10. Radiotherapy and Systemic Treatment
 - 3.10.1. Concomitant Radiotherapy/Chemotherapy
 - 3.10.1.1. Neoadjuvant
 - 3.10.1.2. Inoperable
 - 3.10.1.3. Adjuvant
 - 3.10.2. Sequence with Systemic Treatment : Is it Possible to Administer Radiotherapy Before Chemotherapy After Surgery?
 - 3.10.3. Radiotherapy and Hormonal Therapy (Tamoxifen, Aromatase Inhibitors): Evidence for their Sequential Administration: is Concomitance Better?
 - 3.10.4. Chemotherapy Followed by Radiotherapy Without Surgery?
 - 3.10.5. Association Radiotherapy and Anti-Her2 Treatment (Trastuzumab and Pertuzumab)
 - 3.10.6. Possible Toxicities of the Association
- 3.11. Evaluation of the Response Follow up Treatment of Locoregional Recurrences Reirradiation
- 3.12. Locoregional Radiotherapy in Metastatic Breast Cancer Treatment of Oligometastases Stereotactic Body Radiotherapy (SBRT) Radiotherapy and Immunotherapy
- 3.13. Male Breast Cancer and Other Breast Tumors: Paget's Disease; Phyllodes; Primary Lymphoma



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.

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.



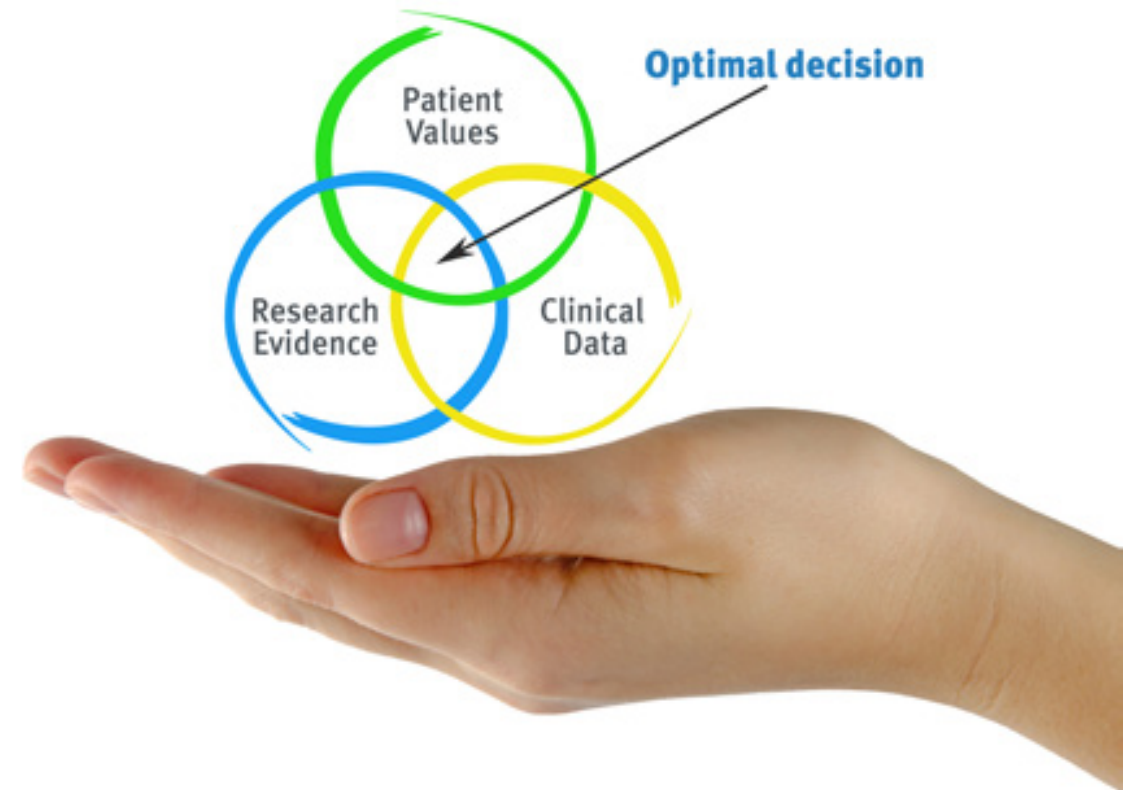
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Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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 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 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.

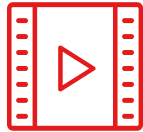
Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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

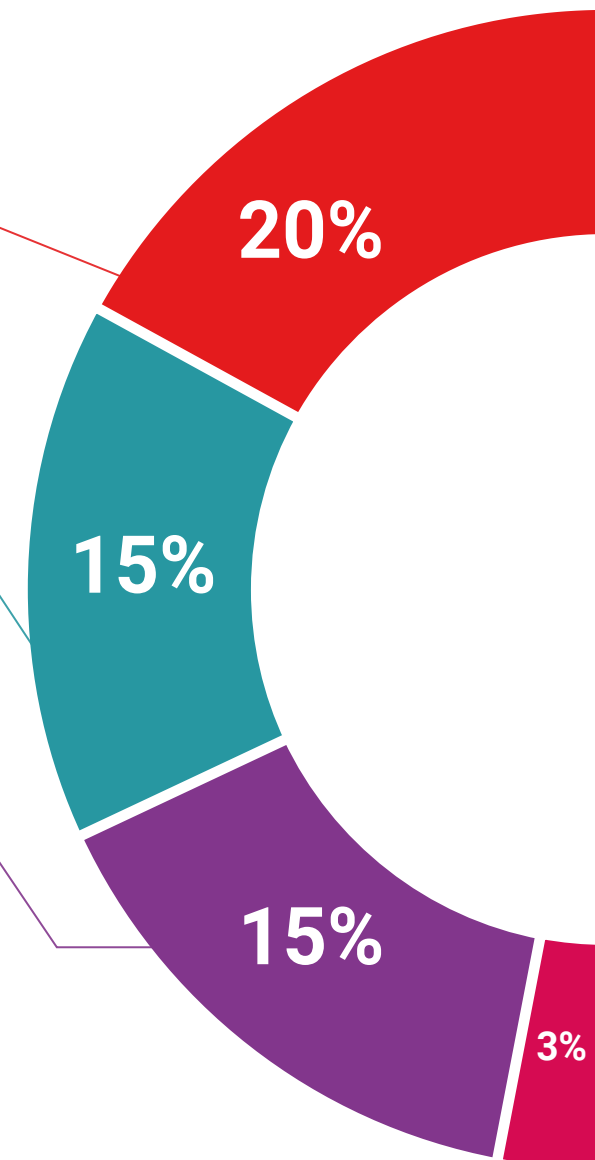
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

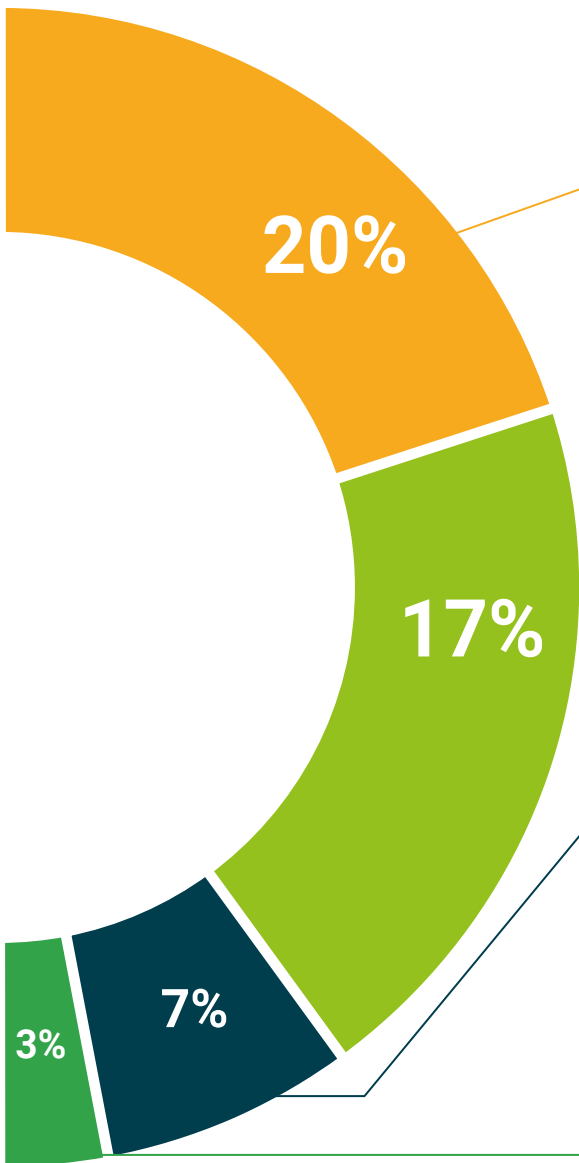
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 Tumors of the Thoracic Region** guarantees you, in addition to the most rigorous and up-to-date training, access to a **Postgraduate Diploma** issued by **TECH Global University**.



“

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

This private qualification will allow you to obtain a **Postgraduate Diploma in Radiotherapy Treatment of Tumors of the Thoracic Region** 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.

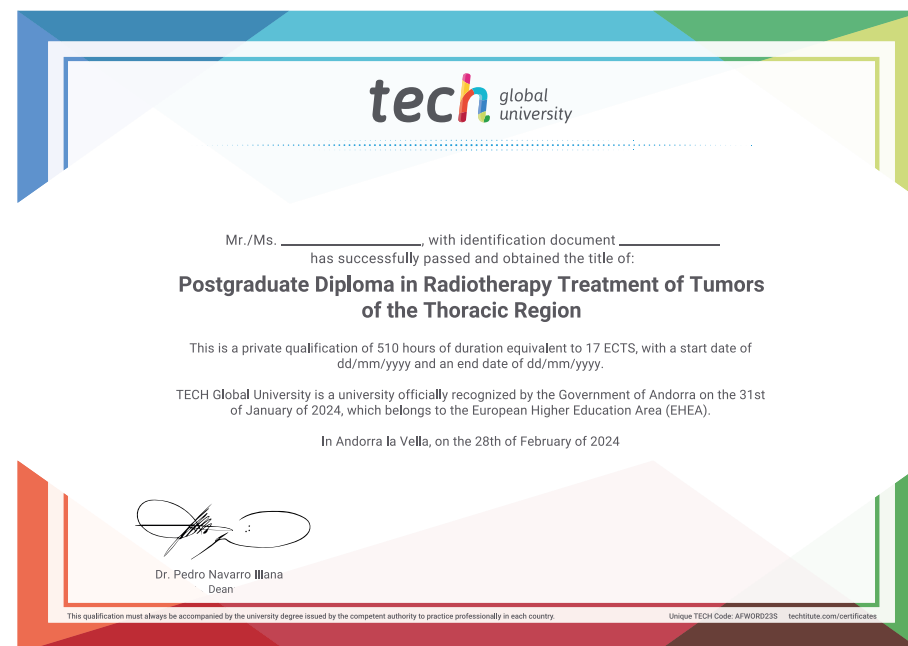
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Radiotherapy Treatment of Tumors of the Thoracic Region**

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.

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guarantee accreditation teaching
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Postgraduate Diploma
Radiotherapy Treatment
of Tumors of the Thoracic
Region

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

Postgraduate Diploma

Radiotherapy Treatment of Tumors of the Thoracic Region

