

Postgraduate Certificate

Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)



Postgraduate Certificate

Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)

Course Modality: Online

Duration: 2 months.

Endorsed by: TECH Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

Website: www.techtitute.com/medicine/postgraduate-certificate/postgraduate-certificate-radiotherapy-treatment-thoracic-tumors-pulmonary-pleural-cardiac

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01

Introduction

Lung and breast tumors are those which affect the most people worldwide. That's why research in the field of radiology is so important to be able to offer the most effective treatments to alleviate the symptoms and treat the different types of cancer. 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 Certificate in Radiotherapy Treatment of Thoracic Tumors will give the physician the necessary tools to improve their diagnosis and treatment.





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New scenarios in radiotherapy drive us to propose new specialization programs that meet the real needs of experienced professionals, so that they can incorporate new advances into their daily practice”

The specialty of radiotherapy oncology is one of the biggest technological advances that occurs each year, allowing us to treat the different types of cancer in a more effective way. That is why radiotherapy is seen as one of the most effective ways for treating cancer, whether it be the only treatment or combined with others. In fact, it is estimated that more than half of cancer patients receive radiation treatment.

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 that will enable them to offer the most personalized and effective treatment to each patient.

In order to update their knowledge, there are courses such as this one, specialized in the radiotherapeutic management of thoracic and breast tumors, in which the specialist will be able learn, in a simple way and from any device with internet connection, about the latest research in the field and offer better care to their patients.

In the case of this training, the professional will gain in-depth knowledge on the radiotherapy treatment and the best indications in each case and the 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 Certificate of Thoracic Tumors (Pulmonary, Pleural, Cardiac)** contains the most complete and up-to-date scientific program on the market. The most important features of the Postgraduate Certificate are:

- ♦ Clinical cases presented by experts in Radiotherapy Treatment of Thoracic 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 thoracic 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.



Continue your training with this Postgraduate Certificate and learn the newest advances in radiotherapy in the treatment of thoracic tumors and breast tumors. It will help you to carry out your professional work in a more effective way, offering the best treatment to your patients"

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This type of teaching-learning encourages curiosity and skill development, as well as allowing the doctor to feel like an active part of the process"

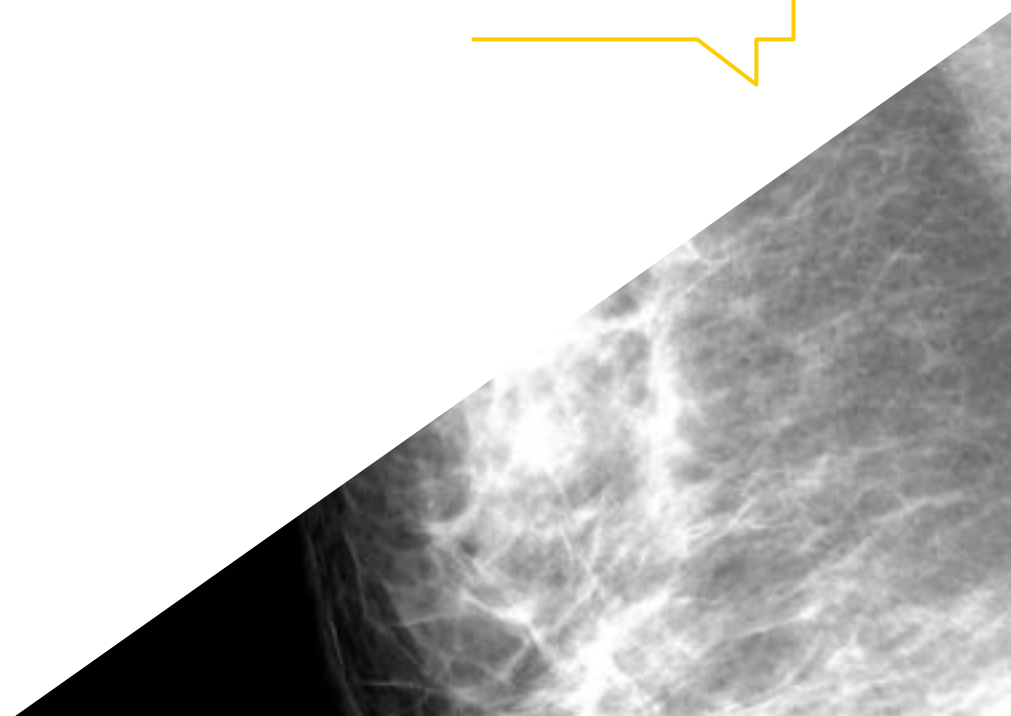
The teaching staff includes professionals from the field of Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac) who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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 Thoracic Tumors with extensive teaching experience.

The multimedia content will help the specialist to obtain a contextual learning which will train them for real situations. This allows them to acquire knowledge in a more effective way.

Make the most of this Postgraduate Certificate to update your knowledge, expand your training and obtain a certified qualification from the TECH Technological University.



02 Objectives

This Postgraduate Certificate aims to facilitate the performance of physicians in the field of Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac).



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If you want to improve your patient care, don't think twice and take this Postgraduate Certificate which will facilitate your radiotherapy management in your professional practice”

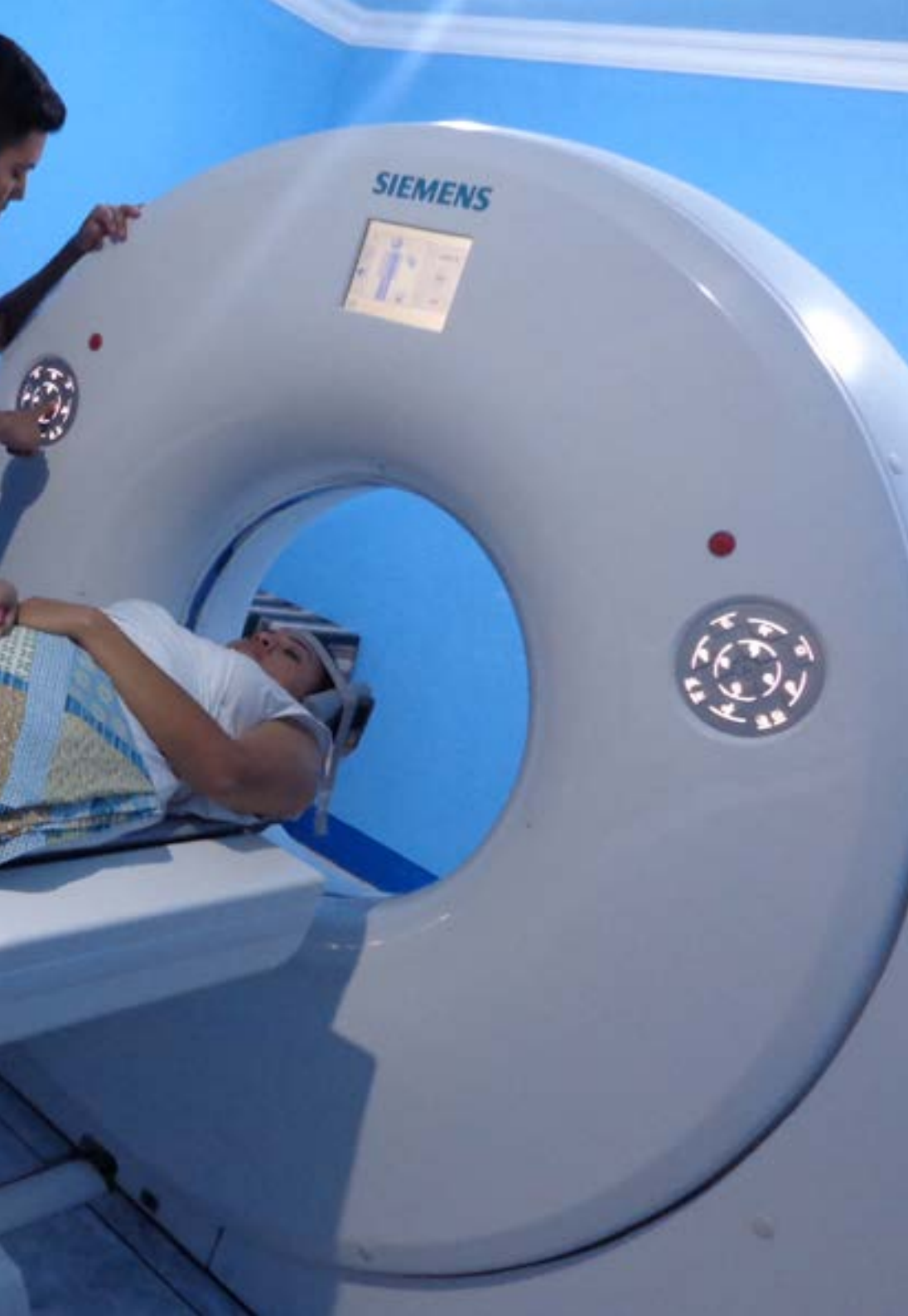


General Objective

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

Learn the basis of radiotherapy in thoracic tumors through this Postgraduate Certificate, allowing you to be up-to-date on the newest advances in the subject.





Specific Objectives

- ♦ 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 thoracic 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 thoracic tumors.

04

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.



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

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

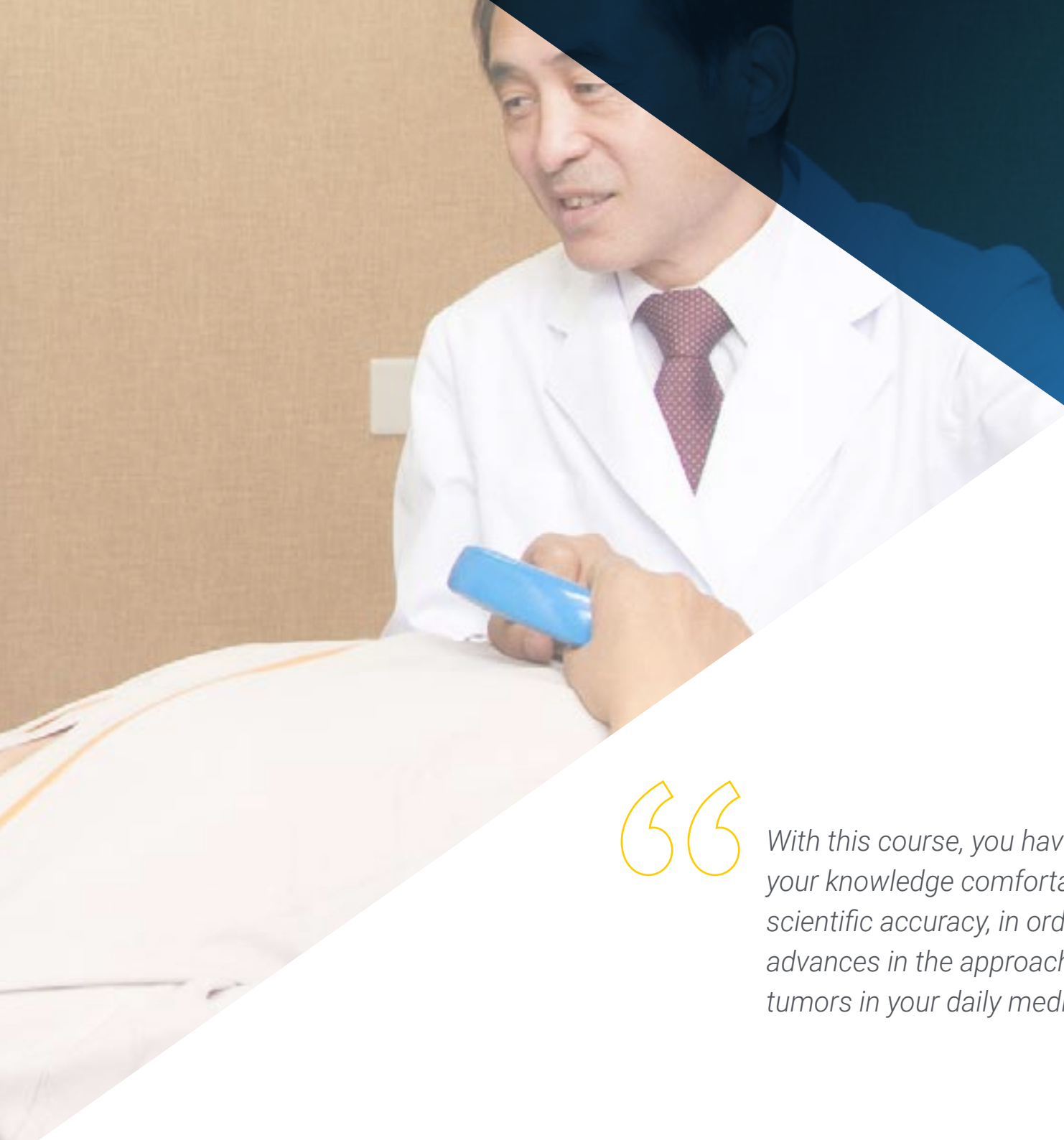


05

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 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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With this course, you have the opportunity to update your knowledge comfortably and without sacrificing scientific accuracy, in order to incorporate the latest advances in the approach to radiotherapy in thoracic tumors in your daily medical practice"

Module 1. Update of Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)

- 1.1. Non-Small Cell Lung Cancer
 - 1.1.1. General Information on Non-Small Cell Lung Cancer
 - 1.1.2. Early Stage Radiotherapy Treatment
 - 1.1.3. Radical Radiotherapeutic Treatment in Locally Advanced Stages
 - 1.1.4. Postoperative Radiotherapy Treatment
 - 1.1.5. Palliative Radiotherapy Treatment
- 1.2. Small Cell Lung Cancer
 - 1.2.1. General Information on Small-Cell Lung Cancer
 - 1.2.2. Thoracic Radiotherapy Treatment in Limited-Disease
 - 1.2.3. Radiotherapeutic Treatment in Extended-Disease
 - 1.2.4. Prophylactic Cranial Irradiation
 - 1.2.5. Palliative Radiotherapy Treatment
- 1.3. Uncommon Thoracic Tumors
 - 1.3.1. Thymic Tumors
 - 1.3.1.1. General Information on Thymic Tumors
 - 1.3.1.2. Radiotherapeutic Treatment of Thymic Carcinoma
 - 1.3.1.3. Radiotherapeutic Treatment of Thymomas
 - 1.3.2. Carcinoid Lung Tumors
 - 1.3.2.1. General Information on Carcinoid Lung Tumors
 - 1.3.2.2. Radiotherapeutic Treatment of Carcinoid Lung Tumors
 - 1.3.3. Mesothelioma
 - 1.3.3.1. General Information on Mesotheliomas
 - 1.3.3.2. Radiotherapeutic Treatment of Mesotheliomas (Adjuvant, Radical, Palliative)
- 1.4. Primary Cardiac Tumors
 - 1.4.1. General Information on Cardiac Tumors
 - 1.4.2. Radiotherapeutic Treatment of Cardiac Tumors
- 1.5. Pulmonary Metastases
 - 1.5.1. General Information on Pulmonary Metastases
 - 1.5.2. Definition of Oligometastatic Lung Status
 - 1.5.3. Radiotherapeutic Treatment in Pulmonary Oligometastases





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*Learn the latest advances
in procedures in the field of
radiotherapy in thoracic tumors
from leading professionals”*

06

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.



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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 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.

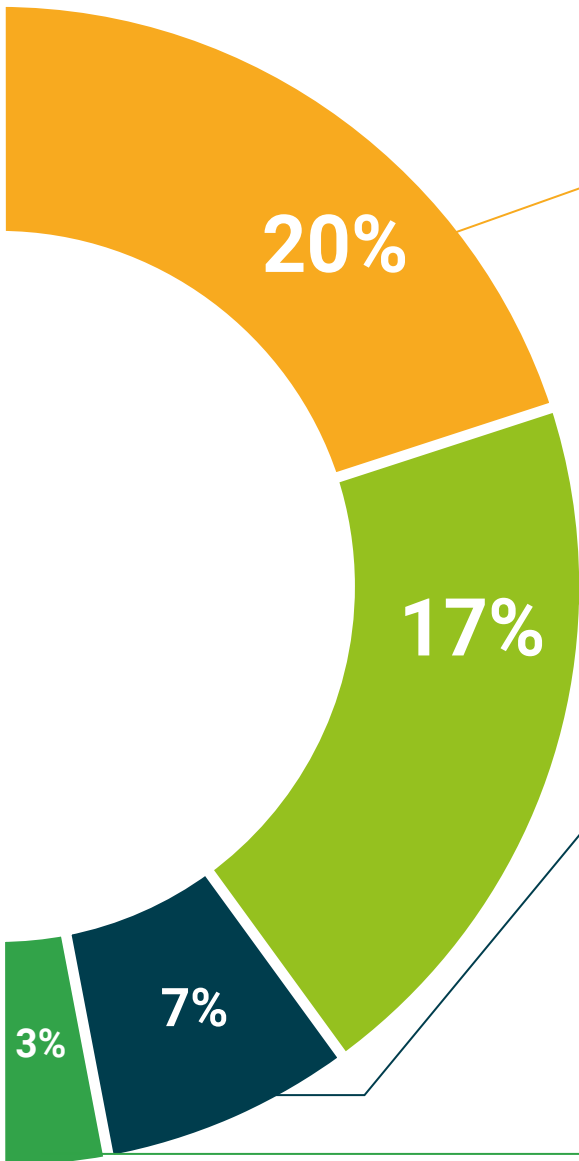
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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

This **Postgraduate Certificate in Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)** guarantees, in addition to the most rigorous and up-to-date training, access to a **Postgraduate Certificate** degree issued by **TECH Technological University**.



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Successfully complete this training and receive your university qualification without travel or laborious paperwork"

This **Postgraduate Certificate in Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)** contains the most complete 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 reflect the qualification obtained in the Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: Postgraduate Certificate in Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)

ECTS: 6

No. Teaching 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.

health future
confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning



Postgraduate Certificate

Radiotherapy Treatment of
Thoracic Tumors
(Pulmonary, Pleural,
Cardiac)

Course Modality: Online

Duration: 2 months.

Endorsed by: TECH Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

Postgraduate Certificate

Radiotherapy Treatment of Thoracic Tumors (Pulmonary, Pleural, Cardiac)

