

# Postgraduate Certificate

## Emergency Thoracic Oncology and Palliative Management



## Postgraduate Certificate Emergency Thoracic Oncology and Palliative Management

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

Website: [www.techtitute.com/us/medicine/postgraduate-certificate/emergency-thoracic-oncology-palliative-management](http://www.techtitute.com/us/medicine/postgraduate-certificate/emergency-thoracic-oncology-palliative-management)

# Index

01

Introduction

---

*p. 4.*

02

Objectives

---

*p. 8.*

03

Course Management

---

*p. 12.*

04

Structure and Content

---

*p. 28.*

05

Methodology

---

*p. 32.*

06

Certificate

---

*p. 40.*

# 01

# Introduction

Lung cancer is a major health problem. In developed countries it is the cancer with the highest mortality in men, while in women it is the fourth most frequent cancer and the second in terms of mortality.



“

*Improve your knowledge through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality medical practice"*

Recent studies have reported a reduction in lung cancer mortality among current and former smokers with a minimum of 30 packs/year following the use of low-dose helical computed tomography, and have provided sufficient evidence to establish strong international recommendations for lung cancer prevention.

Therefore, a more frequent future presentation of lung cancer will be via a solitary pulmonary nodule, a relevant fact given that diagnosis at advanced stages has been the norm in the last 30 years and the reason for the low prevalence of this disease.

Nowadays, to talk about oncology is to talk about "multidisciplinary teams", about advances in fields of science that are increasingly involved, and this, apart from being interesting, means that we need continuous education that is often difficult to acquire in other training courses or congresses since they are oriented to a very specific area and specific to a single specialty.

Not losing this multidisciplinary vision is very important because many advances in one area can have implications in the diagnostic and therapeutic algorithms used in oncology. In fact, one of the skills that we aim for students to achieve with this Postgraduate Certificate is to have a broad and clear vision of oncology, and to use the comparison of scientific advances in each area as a tool that will allow them to advance their knowledge.

This **Postgraduate Certificate in Emergency Thoracic Oncology and Palliative Management** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ◆ Development of clinical cases presented by experts in Thoracic Oncology
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ New diagnostic and therapeutic developments on the performance of Thoracic Oncology
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ With a special emphasis on evidence-based medicine and research methodologies in emergency thoracic oncology and palliative management
- ◆ 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 through the Postgraduate Certificate in Emergency Thoracic Oncology and Palliative Management, in a practical way and adapted to your needs"*

“

*This Postgraduate Certificate may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Emergency Thoracic Oncology and Palliative Management, you will obtain a qualification endorsed by TECH Global University"*

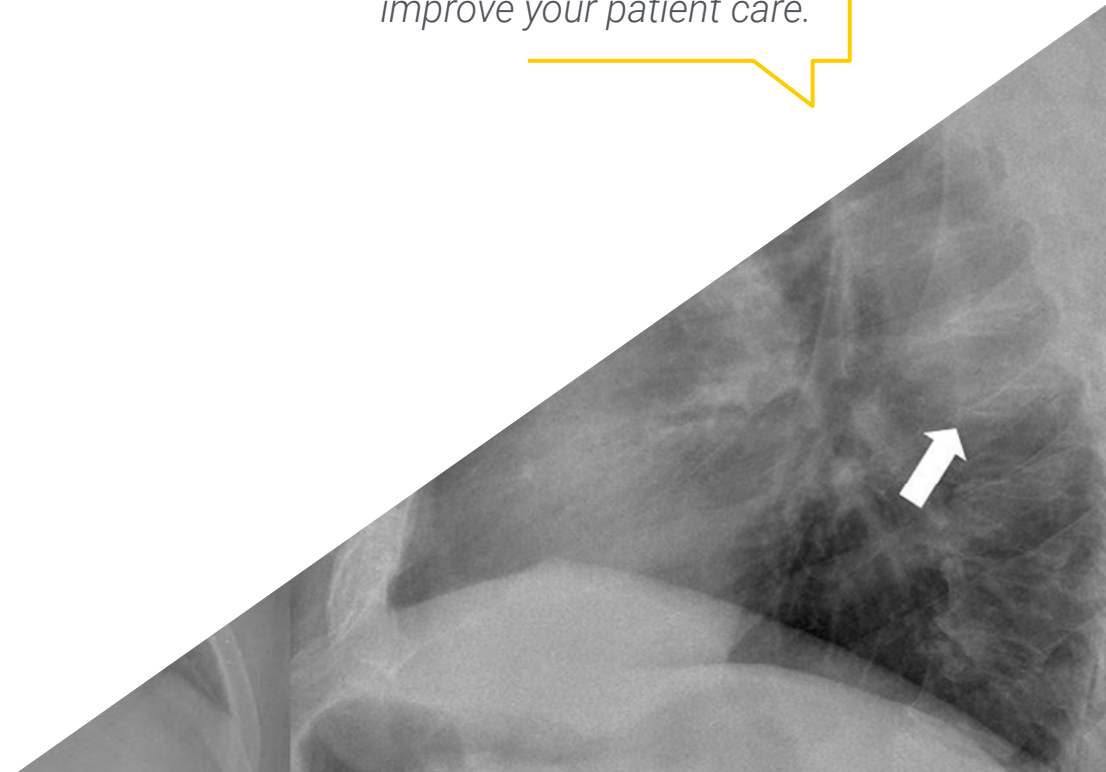
Its teaching staff includes health professionals belonging to the field of Thoracic Oncology, who contribute their work experience to this program, in addition to renowned specialists belonging to leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professionals a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the physicians must try to solve the different professional practice situations that arise throughout the program. For this reason, they will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of thoracic oncology who have extensive teaching experience.

*The Postgraduate Certificate includes real clinical cases and exercises to bring the content of the program closer to the clinical practice of a physician.*

*Make the most of this opportunity to update your knowledge in Emergency Thoracic Oncology and Palliative Management and improve your patient care.*



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the physician can master in a practical and rigorous way the Emergency Thoracic Oncology and Palliative Management.





“

*This refresher program will generate a sense of confidence when practicing medicine and will help you grow both personally and professionally”*



## General Objective

---

- ◆ To create a global and up-to-date vision of thoracic oncology and all its aspects, 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

“

*Make the most of the opportunity and take the step to get up to date on the latest developments emergencies thoracic oncology and palliative management”*





## Specific Objectives

---

- ◆ Explain the “Enhanced Support Care strategy”, developed by the Christie NHS Trust, to better adapt patient care to the changing landscape of cancer
- ◆ Raise awareness of how excellent care must be continuous and move towards integrated care models together with other specialists and, in particular, with primary health care
- ◆ Improve the way of giving bad news to patients since, although there are as many ways of doing it as there are doctors and patients, there are some guidelines for the doctor to do it in the best way possible
- ◆ Describe the vision of the emergency physician and how the detection of frequenters is a sign that can help improve the organizational model
- ◆ Learn the new therapeutic arsenal for the management of the main comorbidities of patients with thoracic tumors and know the therapeutic objectives in order to avoid poor control, therapeutic interactions or overtreatment
- ◆ Assess the impact of age on patient prognosis and treatment outcomes

03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of thoracic oncology, and who bring to this training the experience of their work. In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.





“

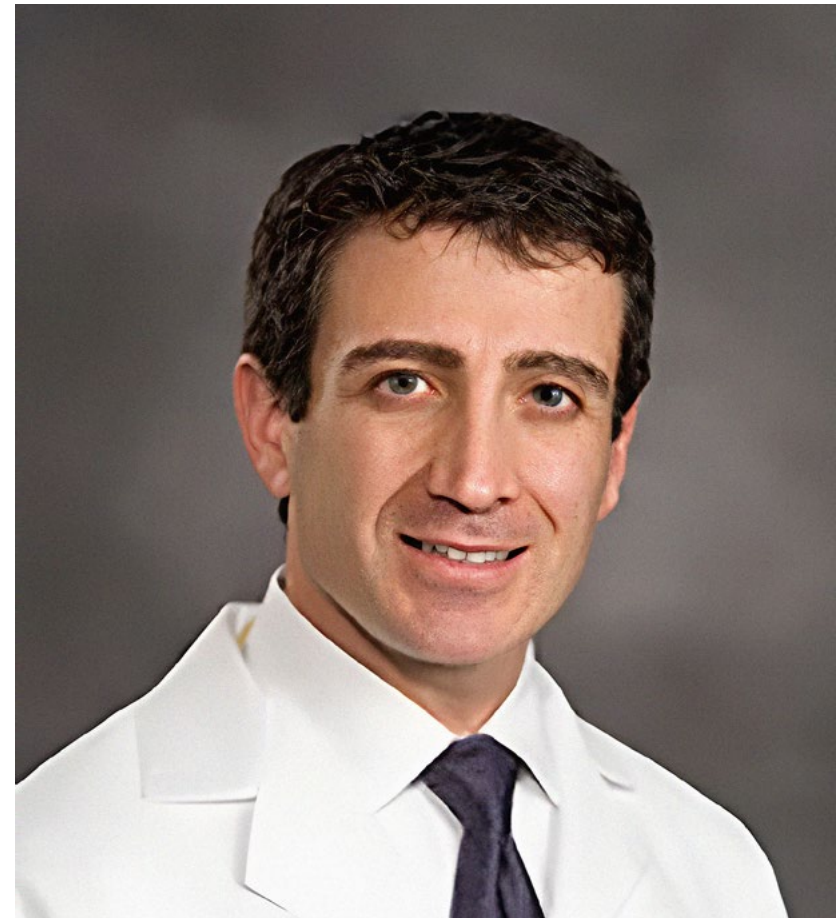
*Learn from leading professionals the latest advances in Emergency Thoracic Oncology and Palliative Management"*

## International Guest Director

Awarded for his contribution to innovative advances in the field of **Radiation Oncology**, Dr. Drew Moghanaki is a reference in the treatment of **Lung Cancer**. He specializes in advanced techniques such as **Intensity Modulated Radiation Therapy** to offer more precise, effective and less invasive treatments to his patients. In this sense, he has performed his work in reference health institutions such as **UCLA Health in California, United States**.

He has also been a pioneer in the implementation of **Stereotactic Body Radiotherapy for Lung Tumors**. Through this technique, he has managed to increase survival rates and significantly optimize the quality of life of numerous users. It has also developed a multidisciplinary approach in the management of **Neoplasms**, which has helped specialists to design personalized treatments to improve their clinical results. On the other hand, he has managed more than **50 million dollars in Lung Cancer program** development through the **U.S. Department of Veterans Affairs**. His initiatives have been instrumental in driving progress in diagnosis, treatment and access to high quality care for people who have served in the Armed Forces.

Committed to excellence, he balances this work with his role as a **clinical researcher**. In this sense, he has published numerous scientific articles on subjects such as **Magnetic Resonance Guided Radiotherapy**. One of his most outstanding works is the **VALOR** trial, focused on the analysis of the effectiveness of surgery and Stereotactic Radiotherapy in Lung Cancer. Thanks to this, physicians have obtained solid scientific evidence to make **informed decisions** about the best approach for the treatment of this pathology taking into account the specific characteristics of the patients. In addition, he participates as a speaker at scientific congresses to discuss the latest innovations in **Radiation Oncology**.



## Dr. Moghanaki, Drew

---

- Chief of the Thoracic Oncology Service at UCLA Health, California, United States
- Director of Clinical Research at the U.S. Department of Veterans Affairs
- Director of Pulmonary Precision Oncology at the West Los Angeles VA Medical Center
- Section Chief of Radiation Oncology at VA Greater Los Angeles Health System
- Chair of Diagnostic Research Team at UCLA Jonsson Comprehensive Cancer Center
- Radiation Epidemiology Oncology Residency at the University of Pennsylvania
- General Surgery Internship at Vanderbilt University Medical Center
- M.D. from Vanderbilt University School of Medicine
- Master's Degree in Public Health and Epidemiology from University of California
- Bachelor of Science degree in Biochemistry from California Polytechnic State University.
- Member of: American Cancer Society, American Society for Radiosurgery, International Association for the Study of Lung Cancer



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

## Management



### Dr. Oruezábal Moreno, Mauro Javier

- ♦ Head of the medical Oncology Service at La Paz University Hospital since
- ♦ Research Fellow at University of Southampton
- ♦ Master's Degree in Bioinformatics and biostatistics UOC-UB
- ♦ Master's Degree in bioinformatic analysis by the Pablo de Olavide University
- ♦ Doctor of Medicine from the Complutense University of Madrid. Outstanding Cum Laude Qualification
- ♦ Member of the Spanish Society of Medical Oncology and GECP Group (Spanish Spanish Group of Lung)
- ♦ Specialist (MIR) in Medical Oncology, University Hospital San Carlos of Madrid
- ♦ Degree in Medicine and Surgery, University of Navarra



### Dr. Villar Álvarez, Felipe

- ♦ Associate Physician of Pulmonology, Jiménez Díaz Foundation University Hospital, Madrid
- ♦ Director of the Editorial Committee of the Respiratory Pathology Journal of Neumomadrid
- ♦ Researcher of the CIBER network of Respiratory Diseases (CIBERES) belonging to Group 04
- ♦ Member of the Madrid Society of Pulmonology and Thoracic Surgery (Neumomadrid), the Spanish Society of Pulmonology and Thoracic Surgery (SEPAR) and the European Respiratory Society (ERS)
- ♦ Master's Degree in Clinical Unit Management. Murcia University
- ♦ Doctor of Medicine from the Complutense University Madrid (2011). Outstanding Cum Laude Qualification. Best Doctoral Thesis Award in Pulmonology and Thoracic Surgery 2010-2011 by the Madrid Society of Pulmonology and Thoracic Surgery (Neumomadrid)
- ♦ Specialist (MIR) in Pulmonology. Gregorio Marañón General University Hospital, Madrid
- ♦ Degree in Medicine from the University of Salamanca





### Dr. Muguruza Trueba, Ignacio

- ♦ Head of Department, Quirónsalud Public Hospitals, Madrid
- ♦ Surgeon certified in robotic surgery
- ♦ Associate Professor of Medicine Rey Juan Carlos University of Madrid
- ♦ Director Integrated Research Project (IIP) of Thoracic Oncology of the Spanish Society of Pulmonology and Thoracic Surgery (SEPAR)
- ♦ Secretary Integrated Research Project (IIP) Thoracic Oncology SEPAR
- ♦ Secretary Thoracic Oncology Area National Society of Pulmonology and Thoracic Surgery (SEPAR)
- ♦ Deputy Director of the Editorial Committee of the Respiratory Pathology Journal of Neumomadrid
- ♦ Member of the National Commission of Thoracic Surgery, Ministry of Health
- ♦ Pneumomadrid Oncology Area Coordinator
- ♦ PhD in Medicine from the University of Alcalá de Henares. Outstanding Cum Laude Qualification
- ♦ Lung transplant program Ramón y Cajal Hospital
- ♦ Associate Physician in Thoracic Surgery Ramón y Cajal University Hospital
- ♦ Specialist (MIR) in Thoracic Surgery, Ramón y Cajal University Hospital, Madrid
- ♦ Degree in Medicine and Surgery, Autonomous University of Madrid

## Professors

### Dr. Martín de San Pablo Sánchez, Alejandro

- ◆ Degree in Medicine and Surgery
- ◆ Department of Pulmonology, Rey Juan Carlos University Hospital. Madrid, Spain

### Dr. Salgado Aranda, Sergio

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Sureste University Hospital. Madrid, Spain

### Dr. Torres Rivas, Hector Enrique

- ◆ Degree in Medicine and Surgery
- ◆ Department of Anatomical Pathology, Asturias Central University Hospital, Spain

### Dr. Call Caja, Sergi

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Mútua Terrassa University Hospital. Barcelona, Spain

### Dr. Puente Maestú, Luis

- ◆ Degree in Medicine and Surgery
- ◆ Department of Pulmonology, Gregorio Marañón General University Hospital. Madrid, Spain

### Dr. Ramí Porta, Ramón

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Mútua Terrassa University Hospital. Barcelona, Spain

### Dr. González Aragonese, Federico

- ◆ Degree in Medicine and Surgery
- ◆ Head of Service, Gregorio Marañón General University Hospital, Madrid

### Dr. Moreno Mata, Nicolás

- ◆ Degree in Medicine and Surgery
- ◆ Head of Thoracic Surgery Department, Ramón y Cajal University Hospital, Madrid

### Dr. Vicente Antunes, Sara Isabel

- ◆ Degree in Medicine and Surgery
- ◆ Department of Thoracic surgery, Rey Juan Carlos University Hospital. Madrid, Spain

### Dr. Marrón Fernández, Carmen

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, 12 de Octubre University Hospital. Madrid, Spain

### Dr. Cabañero Sánchez, Alberto

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Ramón y Cajal University Hospital. Madrid, Spain

### Dr. Gómez de Antonio, David

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Puerta de Hierro University Hospital. Madrid, Spain

### Dr. Jiménez Hiscock, Luís

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, HM University Hospital. Madrid, Spain

### Dr. Saldaña Garrido, David

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Moreno Basalobre, Ramón**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Thoracic Oncology Service, La Princesa Hospital in Madrid and MD Anderson Cancer Center Hospital

**Dr. Gámez García, Antonio Pablo**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Thoracic Surgery Service of the Lung Transplant Unit, 12 de Octubre University Hospital. Madrid, Spain

**Dr. Díaz Agero, Prudencio**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, La Paz University Hospital. Madrid, Spain

**Dr. Hernando Tranco, Florentino**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Thoracic Surgery Department, San Carlos University Clinical Hospital

**Dr. Rico Oses, Mikel**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Radiation Oncology, Navarra Hospital Complex. Navarra, Spain

**Dr. Sánchez Rubio, Javier**

- ◆ Pharmacy Service, University Hospital of Getafe. Madrid, Spain

**Dr. García Campelo, María Rosario**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, La Coruña University Hospital. Spain

**Dr. Karachaliou, Niki**

- ◆ Degree in Medicine and Surgery
- ◆ Director, Translational Research Program, Quirón Dexeus University Hospital. Barcelona, Spain

**Dr. Ruíz, Eva**

- ◆ Account and Research Director, Ipsos Healthcare

**Dr. Molins López-Rodó, Laureano**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Service, Teknon Medical Center of Barcelona, Spain

**Dr. Disdier Vicente, Carlos**

- ◆ Pulmonologist in the Pulmonology Department of the Valladolid University Clinical Hospital
- ◆ Degree in Medicine and Surgery

**Dr. Samper Orts, Pilar**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Radiation Oncology, Rey Juan Carlos University Hospital. Madrid, Spain

**Dr. Fernández Aceñero, María Jesús**

- ◆ Head of the Pathology Section at the Madrid Clinical Hospital.
- ◆ Head of the Anatomical Pathology Department at the Gregorio Marañón General University Hospital
- ◆ Doctor in Medicine and Anatomical Pathology from the Autonomous University of Madrid

**Dr. Palacios Miras, Carmelo**

- ◆ Degree in Medicine and Surgery
- ◆ Radiodiagnostic Service, Jiménez Díaz Foundation. Madrid, Spain

**Dr. Godoy Mayoral, Raúl**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Albacete University Hospital Complex. Castilla la Mancha, Spain

**Dr. Barreiro Portela, Esther**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Del Mar Hospital. Barcelona, Spain

**Dr. Jiménez Ruiz, Carlos**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Specialized Unit on Smoking of the Community of Madrid

**Dr. Forcén Vicente de Vera, Elena**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, San Carlos University Clinical Hospital. Madrid, Spain

**Dr. Bernabé Barrios, María José**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, San Carlos University Clinical Hospital. Madrid, Spain

**Dr. Rajas Naranjo, Olga**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Pulmonology, La Princesa University Hospital. Madrid, Spain

**Dr. Moral Chacón, Beatriz**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, San Carlos University Clinical Hospital. Madrid, Spain

**Dr. Pérez Warnisher, María Teresa**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Villalba General Hospital. Madrid, Spain

**Dr. Paramio Gonzalez, Jesús María**

- ◆ Degree in Medicine and Surgery
- ◆ CIEMAT Molecular Oncology Department. 12 de Octubre Research Institute Madrid, Spain

**Dr. Velastegui Ordoñez, Alejandro**

- ◆ Degree in Medicine and Surgery
- ◆ Gregorio Marañón University Hospital. Madrid, Spain
- ◆ San Carlos Clinical University Hospital Madrid, Spain

**Dr. Rueda Fernández, Daniel**

- ◆ Degree in Biochemistry
- ◆ Hereditary Cancer Laboratory. Biochemistry Service
- ◆ 12 de Octubre University Hospital. Madrid, Spain

**Dr. García Foncillas López, Jesús**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Department of Medical Oncology, Jiménez Díaz Foundation. Madrid, Spain

**Dr. García Castaño, Almudena**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Marques de Valdecilla University Hospital. Santander, Spain

**Dr. Pérez Rojo, Raquel**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Móstoles University Hospital. Madrid, Spain

**Dr. Arnedillo Muñoz, Aurelio**

- ◆ Degree in Medicine and Surgery
- ◆ Clinical Management Unit of Pulmonology, Allergy and Thoracic Surgery, Puerta del Mar University Hospital. Cádiz, Spain

**Dr. Hidalgo Molina, Antonio**

- ◆ Degree in Medicine and Surgery
- ◆ Clinical Management Unit of Pulmonology, Allergy and Thoracic Surgery, Puerta del Mar University Hospital. Cádiz, Spain

**Dr. Alcázar Peral, Andrés**

- ◆ Degree in Medicine and Surgery
- ◆ Radiodiagnostic Service, Jiménez Díaz Foundation. Madrid, Spain

**Dr. Gallardo Madueño, Guillermo**

- ◆ Degree in Medicine and Surgery
- ◆ Radiodiagnostic Service, Jiménez Díaz Foundation. Madrid, Spain

**Dr. Villena Garrido, Victoria**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, 12 de Octubre University Hospital. Madrid, Spain

**Dr. Benavides Mañas, Pedro Daniel**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, 12 de Octubre University Hospital. Madrid, Spain

**Dr. Jover Díaz, Raquel**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Nuclear Medicine, Rey Juan Carlos University Hospital. Madrid, Spain

**Dr. Aguado de la Rosa, Carlos**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department
- ◆ Associate Physician of the Medical Oncology Department of the San Carlos Clinical Hospital

**Dr. Muñoz de la Espada, Víctor Díaz**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Arganda University Hospital. Madrid, Spain

**Dr. López Carrizosa, Concha**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Radiation Oncology, Gómez Ulla Military Hospital. Madrid, Spain

**Dr. Alonso Gordo, Teresa**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Gómez Martínez, Ana**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Thoracic Surgery, San Carlos Clinical University Hospital. Madrid, Spain

**Dr. Rincón García, David**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Thoracic Surgery, Jiménez Díaz Foundation. Madrid, Spain

**Dr. Muñoz Molina, Gemma María**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Gómez García, Rosa María**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Navío Martín, María Pilar**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Ramón y Cajal University Hospital. Madrid, Spain
- ◆ Coordinator of the Pneumomadrid Techniques and Oncology Group

**Dr. Gómez Sancho, Marcos**

- ◆ Degree in Medicine and Surgery
- ◆ Former Director of the Palliative Medicine Unit, Gran Canaria Dr. Negrin University Hospital. Spain

**Dr. Weber Sánchez, Luis Alejandro**

- ◆ Faculty of Bioethics
- ◆ Anahuac University, Naucalpan de Juárez. Mexico City, Mexico

**Dr. Carrión Galindo, Rafael**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Arganda University Hospital. Madrid, Spain

**Dr. Zapatero Gaviria, José**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Thoracic Surgery Department at the Fundación Jiménez Díaz University Hospital

**Dr. Peñalver Pascual, Rafael**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Thoracic Surgery, Gregorio Marañón General University Hospital. Madrid, Spain

**Dr. Roiz Andino, Honan**

- ◆ Degree in Medicine and Surgery
- ◆ Emergency Department, Príncipe de Asturias University Hospital, Alcalá de Henares. Madrid, Spain

**Dr. Barrios Barreto, Deisy**

- ◆ Degree in Medicine and Surgery
- ◆ Pulmonology Department, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Marcos Rodríguez, Jorge Rojas**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Internal Medicine, Rey Juan Carlos University Hospital. Madrid, Spain

**Dr. Yebra Yebra, Miguel**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Internal Medicine, Rey Juan Carlos University Hospital. Madrid, Spain

**Dr. Pérez Martínez, David Andrés**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Neurology Department, 12 de Octubre University Hospital. Madrid, Spain

**Dr. Burón Fernández, María del Rosario**

- ◆ Degree in Medicine and Surgery
- ◆ Internal Medicine Department, Infanta Cristina University Hospital, Madrid

**Dr. Botella Romero, Francisco**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Endocrinology and Nutrition Department
- ◆ Integrated Care Management. Albacete, Spain

**Dr. Fernández Calvo, Ovidio**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Vigo University Hospital Complex. Vigo, Spain

**Dr. García Fernández, José Luís**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, La Princesa University Hospital, Madrid
- ◆ MD Anderson Cancer Center Madrid

**Dr. González Larriba, Jose Luis**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, San Carlos University Clinical Hospital. Madrid, Spain
- ◆ Director of the Medical Oncology Area of the IMO Group

**Dr. Matilla González, José María**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Valladolid Clinical University Hospital. Spain

**Dr. Rodríguez de Dios, Nuria**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Radiation Oncology, Parc de Salut Hospital. Barcelona

**Dr. Gajate Borau, Pablo**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Casal Rubio, Joaquín**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Medical Oncology Department, Álvaro Cunqueiro Hospital Vigo University Hospital Complex, Spain

**Dr. Sotoca Ruíz, Amalia**

- ◆ Degree in Medicine and Surgery
- ◆ Radiation Oncology Department, Ruber International Hospital. Madrid, Spain

**Dr. Guerra Gutiérrez, Félix**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Radiodiagnosis Department, General Hospital of Villalva. Madrid, Spain

**Dr. Simón Adiego, Carlos**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Thoracic Surgery, Gregorio Marañón General University Hospital. Madrid, Spain

**Dr. Hernández Marín, Berta**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Service, Navarra Hospital Complex. Navarra, Spain

**Dr. Mielgo Rubio, Xabier**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Alcorcón University Foundation Hospital. Madrid, Spain

**Dr. Artal Cortés, Ángel**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Miguel Servet University Hospital. Zaragoza. Spain

**Dr. Lázaro Quintela, Martín**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Vigo University Hospital Complex. Vigo, Spain

**Dr. Domine Gómez, Manuel**

- ◆ Degree in Medicine and Surgery
- ◆ Associate Head of Medical Oncology, Jiménez Díaz Foundation. Madrid, Spain

**Dr. Garrido López, Pilar**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Medical Oncology Section, Ramón y Cajal University Hospital, Madrid

**Dr. Girón Girón, Carlos**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Burgos University Hospital. Burgos, Spain

**Dr. García García, Yolanda**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department
- ◆ Parc Taulí University Hospital. Barcelona, Spain
- ◆ Research and Innovation Institute Parc Taulí I3PT

**Dr. Felip Font, Enriqueta**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department
- ◆ Head of Thoracic Tumors Unit
- ◆ Vall d'Hebron Institute of Oncology. Barcelona, Spain

**Dr. Esteban González, Emilio**

- ◆ Degree in Medicine and Surgery
- ◆ Head of the Medical Oncology Department of HUCA
- ◆ Associate Professor in the Medicine Department at the University of Oviedo



**Dr. Cobo Dols, Manuel**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Carlos Haya University Hospital. Málaga, Spain

**Dr. Ponce Aix, Santiago**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, 12 de Octubre University Hospital. Madrid, Spain

**Dr. Palomar Coloma, Virginia**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department
- ◆ Associate Physician of the Medical Oncology Department of the San Carlos Clinical Hospital

**Dr. Juan Vidal, Óscar**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, La Fe University Hospital. Valencia, Spain

**Dr. de Olaiz Navarro, Beatriz**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Getafe University Hospital. Madrid, Spain

**Dr. López Ramírez, María Escarlata**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Radiation Oncology Department, Jiménez Díaz Foundation. Madrid, Spain

**Dr. Ballesteros Burgues, Javier**

- ◆ Degree in Medicine and Surgery, University Hospital of Arganda. Madrid, Spain

**Dr. Couñago Lorenzo, Felipe**

- ◆ Degree in Medicine and Surgery
- ◆ Radiation Oncology Service, Quirón Salud-Pozuelo University Hospital. Madrid, Spain

**Dr. Grande Pulido, Enrique**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Service
- ◆ MD Anderson Madrid Cancer Center

**Dr. Firvida Pérez, José Luis**

- ◆ Degree in Medicine and Surgery
- ◆ Medical Oncology Department, Orense University Hospital Complex. Orense, Spain

**Dr. García Salmones, Mercedes**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Pulmonology, Rey Juan Carlos University Hospital. Madrid, Spain

**Dr. Segrelles Calvo, Gonzalo**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Pulmonology, Rey Juan Carlos University Hospital. Madrid, Spain

**Dr. Perdices Ramírez, Javier**

- ◆ Degree in Medicine and Surgery
- ◆ Senior Telecommunications Engineer

**Dr. Cabrer Gonzalez, Miguel Luís**

- ◆ Degree in Medicine and Surgery
- ◆ Head of IT
- ◆ Senior Engineer of Computer Science

**Dr. Olivas Varela, José Ángel**

- ◆ Sub-Director Technologies and Information Systems Department
- ◆ College of Computer Science
- ◆ University of Castilla La Mancha

**Dr. Jiménez Merchán, Rafael**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Thoracic Surgery Department, Virgen Macarena Hospital, Sevilla

**Dr. Fernández Gómez Escolar, Pablo**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Thoracic Surgery, Jiménez Díaz Foundation

**Dr. Bellido Reyes, Yuri Anthony**

- ◆ Degree in Medicine and Surgery
- ◆ Thoracic Surgery Department, Villalba General Hospital

**Dr. Martinez Muñiz, Francisco de Borja**

- ◆ Pulmonology Department, Príncipe de Asturias University Hospital

**Dr. Flandes Aldeyturriaga, Javier**

- ◆ Pulmonology Department, Príncipe de Asturias University Hospital

**Dr. Carrillo, Esteban**

- ◆ Degree in Medicine and Surgery
- ◆ Antares Consulting

**Dr. Astudillo González, Aurora**

- ◆ Degree in Medicine and Surgery
- ◆ Anatomical Pathology Service
- ◆ Associate Professor at the University of Oviedo linked to the Central University Hospital of Asturias (HUCA)
- ◆ Scientific Director of the Principality of Asturias Biobank. Spain

**Dr. Calles Blanco, Antonio**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Medical Oncology, Gregorio Marañón General University Hospital. Madrid, Spain

**Dr. Couselo, María Luz**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Radiation Oncology, Gómez Ulla University Hospital. Madrid, Spain

**Dr. Vallejo Ocaña, Carmen**

- ◆ Degree in Medicine and Surgery
- ◆ Department of Radiation Oncology, Ramón y Cajal University Hospital. Madrid, Spain

**Dr. Mejías Estevez, Manuel**

- ◆ Degree in Medicine and Surgery
- ◆ Clinical Management Unit Oncology and Palliative Care, Jerez Hospital. Cádiz, Spain

**Dr. Puente Muñoz, Ana Isabel**

- ◆ Degree in Medicine and Surgery
- ◆ Clinical Neurophysiology Service, Red Cross Hospital. Madrid, Spain

**Dr. Rodríguez Pérez, Aurora**

- ◆ Degree in Medicine and Surgery
- ◆ Head of Radiation Oncology Department, Ruber International Hospital. Madrid, Spain

**Dr. García Baquero, María Teresa**

- ◆ Degree in Medicine and Surgery from the University of Extremadura
- ◆ Former Regional Coordinator of Palliative Care of the Community of Madrid. Spain

**Dr. Ahechu Garayoa, Patricia**

- ◆ Clinical University of Navarra, Resident

**Dr. Dujovne Lindenbaum, Paula**

- ◆ Specialist Area Physician, Alcorcón Foundation University Hospital

**Dr. Jarabo Sarceda, José Ramón**

- ◆ Thoracic Surgery Department, San Carlos Clinical Hospital, Madrid, Spain

**Dr. Lladó Garriga, Laura**

- ◆ Specialist Area Physician, Bellvitge University Hospital

**Dr. Tuero Ojanguren, Carlota**

- ◆ Clinical University of Navarra, Resident

**Dr. Hoyos Mejía, Lukas**

- ◆ Area Specialist, Puerta de Hierro University Hospital. Majadahonda

**Dr. Vega López, Laura**

- ◆ General Surgery Specialist at the Fundación Alcorcón University Hospital
- ◆ Degree in Medicine and Surgery from the Complutense University of Madrid
- ◆ Specialist in General and Digestive System Surgery at the Fundación Alcorcón University Hospital
- ◆ Master's Degree in Clinical Management, Medical and Healthcare Administration at TECH Technological University
- ◆ Specialist Degree in Digital Teaching for Medicine from TECH Technological University
- ◆ Specialist Degree in Leadership and Management Skills in Health at CEU University
- ◆ Specialist Degree in Medical Quality Management in CEU University
- ◆ Spanish Association of Surgeons (AEC)
- ◆ Member of the Spanish Association of Coloproctology (AECOP)

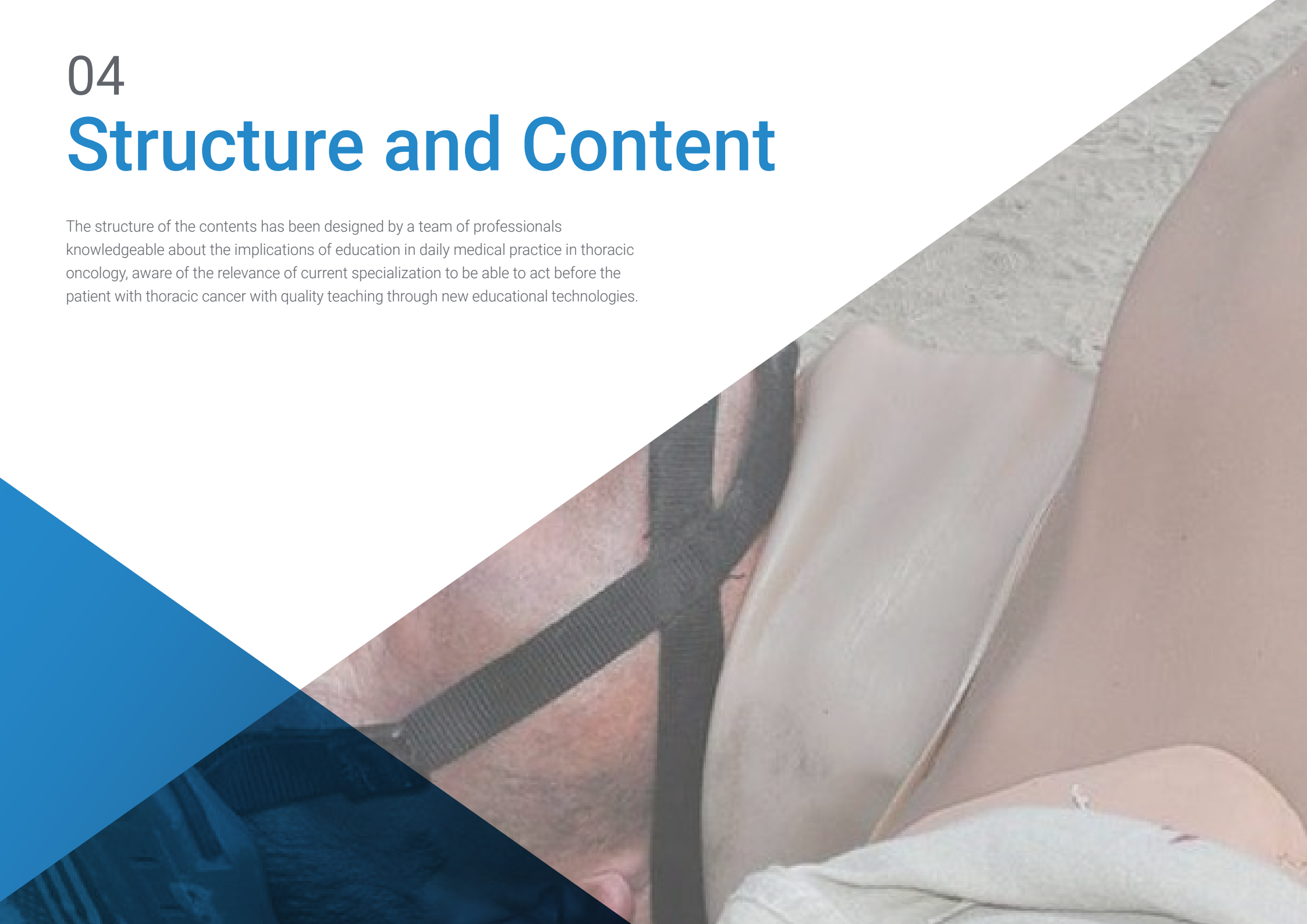


*Take the opportunity to learn about the latest advances in this area in order to apply it to your daily practice"*

04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of education in daily medical practice in thoracic oncology, aware of the relevance of current specialization to be able to act before the patient with thoracic cancer with quality teaching through new educational technologies.





“

*This Postgraduate Certificate in Emergency Thoracic Oncology and Palliative Management contains the most complete and up-to-date scientific program on the market”*

## Module 1. Collaboration in the Management of Oncology Patients

- 1.1. Palliative Management
  - 1.1.1. Palliative Care: from Pre-Oncology Assessment to End-of-Life Care
  - 1.1.2. Informed Consent: Are We Really Informing Our Patients?
  - 1.1.3. Palliative Management of Symptoms in Lung Cancer
  - 1.1.4. Endoscopic Palliative Treatments
  - 1.1.5. Surgical Palliative Treatments
  - 1.1.6. Why do Lung Cancer Present to the Emergency Department and How Can Outcomes Be Improved?
- 1.2. Emergencies and Comorbidities
  - 1.2.1. Palliative Radiotherapy in Brain Metastases, Spinal Cord Compression, Vena Cava Syndrome and Hemoptysis
  - 1.2.2. Acute Management of the Patient with a Thoracic Tumor
  - 1.2.3. Management of Respiratory Comorbidities
  - 1.2.4. Management of Infectious Comorbidities
  - 1.2.5. Management of Cardiovascular Comorbidities
  - 1.2.6. Management of Neurologic Comorbidities
  - 1.2.7. Management of Endocrinological Comorbidities
  - 1.2.8. Management of Nutritional Comorbidities
  - 1.2.9. Lung Cancer in the Elderly
  - 1.2.10. Outpatient Care of Patients with Thoracic Oncological Pathology
  - 1.2.11. Prescription of Physical Exercise in the Oncologic Patient. Prehabilitation





“

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

05

# Methodology

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

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.







“

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

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

“

*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

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

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Certificate in Emergency Thoracic Oncology and Palliative Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





“

*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"*

This program will allow you to obtain your **Postgraduate Certificate in Emergency Thoracic Oncology and Palliative Management** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

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

Title: **Postgraduate Certificate in Emergency Thoracic Oncology and Palliative Management**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present

development language

virtual classroom

**tech** global  
university

## Postgraduate Certificate

Emergency Thoracic  
Oncology and Palliative  
Management

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

# Postgraduate Certificate

## Emergency Thoracic Oncology and Palliative Management

