

# Hybrid Professional Master's Degree

## Thoracic Oncology





## Hybrid Professional Master's Degree Thoracic Oncology

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h

Website: [www.techtitute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-thoracic-oncology](http://www.techtitute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-thoracic-oncology)

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# 01

# Introduction

The results obtained in scientific studies in Thoracic Oncology are encouraging for patients, who see how treatments are gradually improving. This is also possible thanks to technological advances that allow real-time monitoring of the health of the disease and contributes to decision-making based on Artificial Intelligence. In this line, TECH has created this degree that provides an advanced 100% online syllabus focused on the diagnosis and approach of various cancers, as well as the incursion of Big Data in this area. A program that is complemented by a first class practical stay in a hospital center, where students will have a unique opportunity to receive a unique upgrade with the best experts



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*This Hybrid Professional Master's Degree provides the most advanced and recent theoretical content on Thoracic Oncology complemented with a first class practical stay"*

One of the great challenges for thoracic oncology professionals is the early detection of lung cancer. A disease that every year claims numerous lives and in which different research groups work in a coordinated manner throughout the world to obtain optimal results and implement the most effective treatments and diagnostic systems

A reality that is progressing little by little, especially thanks to the work of study and the progress achieved thanks to new technologies. The digital sector has enabled the creation of devices that facilitate the monitoring of the patient's disease, the collection of large amounts of data and decision making based on Artificial Intelligence. In this sense, TECH has considered it propitious to create a university degree that responds to specialists who wish to improve their knowledge in Thoracic Oncology

To this end, it has designed a program consisting of a 100% online theoretical framework that students can access comfortably from any electronic device with an internet connection and at any time of the day. A content that will allow you to delve into the new clinical trials in the era of personalized oncology, localized studies of non-small cell carcinoma or clinical management in a thoracic tumor unit applying the latest technological advances

A phase that concludes with a 100% practical stage in a prestigious hospital center in the field of Thoracic Oncology. An ideal scenario, where students will be tutored by an expert in this field, with a deep knowledge of the latest advances in the management of oncology patients. A unique and intensive 3-week experience, surrounded by a cutting-edge healthcare environment

This way, TECH offers professionals a flexible degree, which allows the completion of an educational process that is fully compatible with the most demanding work and personal responsibilities

This **Hybrid Professional Master's Degree in Thoracic Oncology** the most complete and up-to-date scientific program on the market. The most important features include:

- Development of more than 100 clinical cases presented by professional oncologists with expertise in cancer
- 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
- Diagnostic-therapeutic developments on assessment, diagnosis, and intervention in Thoracic Oncology
- Comprehensive systematized action plans for the main pathologies in the Intensive Care Medicine Unit
- 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 Thoracic Oncology
- 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
- In addition, you will be able to carry out a clinical internship in one of the best hospital centers



*Access with this university degree to the latest clinical trials in the era of personalized oncology"*

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*Thanks to the Relearning system you will be able to progressively advance through the online syllabus and reduce the long hours of study"*

In this proposed Master's program, of a professionalizing nature and hybrid learning modality, the program is aimed at upgrading medical professionals who perform their functions in oncology units, and who require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge in medical practice and the theoretical-practical elements will facilitate the upgrading of knowledge and allow decision making in patient management

Thanks to its multimedia content elaborated with the latest educational technology, they will allow the medical professional to obtain a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to provide actual practice in real situations. This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts

*This Semi in person Master will allow you to be up to date with the technological platforms for patient monitoring and control*

*Get into the hand of the best specialists in the new treatments for malignant thymoma*



# 02

## Why Study this Hybrid Professional Master's Degree?

The proliferation of educational programs focused solely and exclusively on delving into purely theoretical frameworks, has led TECH to break through with a new methodology that approaches the real needs of medical professionals. That is why this institution has created this pioneering degree, which combines the most recent advances in the management of oncology patients, treatments, advances in scanning techniques with a practical stay in a first class clinical center. In this way, a much broader and more complete vision of the current panorama of Thoracic Oncology will be obtained. All this, in addition, together with the best specialists who contribute with their experience and deep knowledge in this field







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*TECH takes you to a leading hospital center in the study and approach to oncology patients”*

### 1. Updating from the latest technology available

The digital world has undoubtedly changed the healthcare landscape. The advances obtained in the creation of bio-devices, the improvement of diagnostic tools and the creation of more effective international databases collaborate in the improvement of clinical services. That is why TECH brings the latest generation technology used in the most relevant hospital centers in the field of Thoracic Oncology closer in this university degree

### 2. Gaining In-Depth Knowledge from the Experience of Top Specialists

Throughout the 12 months of the academic course, the specialist will have a large team of professionals with extensive experience in Thoracic Oncology. This is a guarantee for students who wish above all to be aware of the most recent clinical advances from experts who base their daily work on rigorous work and under the highest scientific rigor

### 3. Entering First-Class Clinical Environments

In all university degrees, TECH carries out a thorough selection process of each and every one of the teachers who teach the programs. Thus, students can be assured that they will be able to obtain the most advanced and exhaustive information from true experts. In addition, this same process is carried out with the hospital centers where the specialist will be able to carry out the 120-hour practical stay





#### 4. Combining the Best Theory with State-of-the-Art Practice

In this Hybrid Professional Master's Degree, this academic institution has designed a curriculum that perfectly combines a theoretical framework 100% online and flexible, with a 100% face-to-face practice in a relevant health environment. All this will allow the professionals to get an overview of Thoracic Oncology, which will lead them to be able to integrate the latest procedures in this field into their daily practice

#### 5. Expanding the Boundaries of Knowledge

This academic institution provides specialists with the opportunity to take a Hybrid Professional Master's Degree that will allow them to expand their knowledge. This will be possible thanks to the fundamental role played by the expert teachers who teach this program and the specialists who will tutor the students. In both cases, the graduate will meet professionals who practice in first class hospitals. An unrepeatability opportunity that only TECH can offer you

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*You will have a full practical immersion at the center of your choice"*

# 03 Objectives

The design of this Hybrid Professional Master's Degree program will lead students to achieve a renewed and up to date vision of Thoracic Oncology in just 12 months. To achieve this goal successfully, this academic institution provides the most innovative teaching tools and in which the latest technology applied to academic degrees have been used. Thus, the graduate will be able to deepen in the various clinical advances in tumors and incorporate this knowledge to their daily practice





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*This program will lead you to delve into the new therapeutic arsenal for the management of the main comorbidities of patients with thoracic tumors”*



## General Objective

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- This academic institution has created a university degree that responds to the concerns of oncology professionals who wish to keep abreast of progress in Thoracic Oncology. For this, you will have specialists who will guide you at all times, both in the theoretical and practical phase, allowing you to expand the information on molecular biology of cancer, immunotherapy or new existing therapies. An excellent opportunity to upgrade your knowledge with experts with extensive professional experience



*This program consists of a 100% online theoretical phase, which will allow you to access the most advanced content on the Enhanced Support Care strategy whenever you wish"*





## Specific Objectives

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### Module 1. Etiology, Prevention and Screening

- ♦ Analyze the effectiveness of different tests proposed for lung cancer screening: low-resolution helical computed tomography, chest radiography and sputum cytology in the early diagnosis of lung cancer
- ♦ Define the potential of other screening tests and estimate the population susceptible to be screened for lung cancer
- ♦ Update knowledge in the molecular biology of cancer, especially in relation to the concept of genetic heterogeneity, circulating biomarkers and tissue molecular markers

### Module 2. Translational Oncology

- ♦ Provide and expand knowledge on immunotherapy, as an example of a clear scientific advance in translational research, and one of the most promising lines of research in cancer treatment
- ♦ Create a global and updated vision of the topics presented 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
- ♦ Define the potential of other screening tests and estimate the population susceptible to be screened for lung cancer

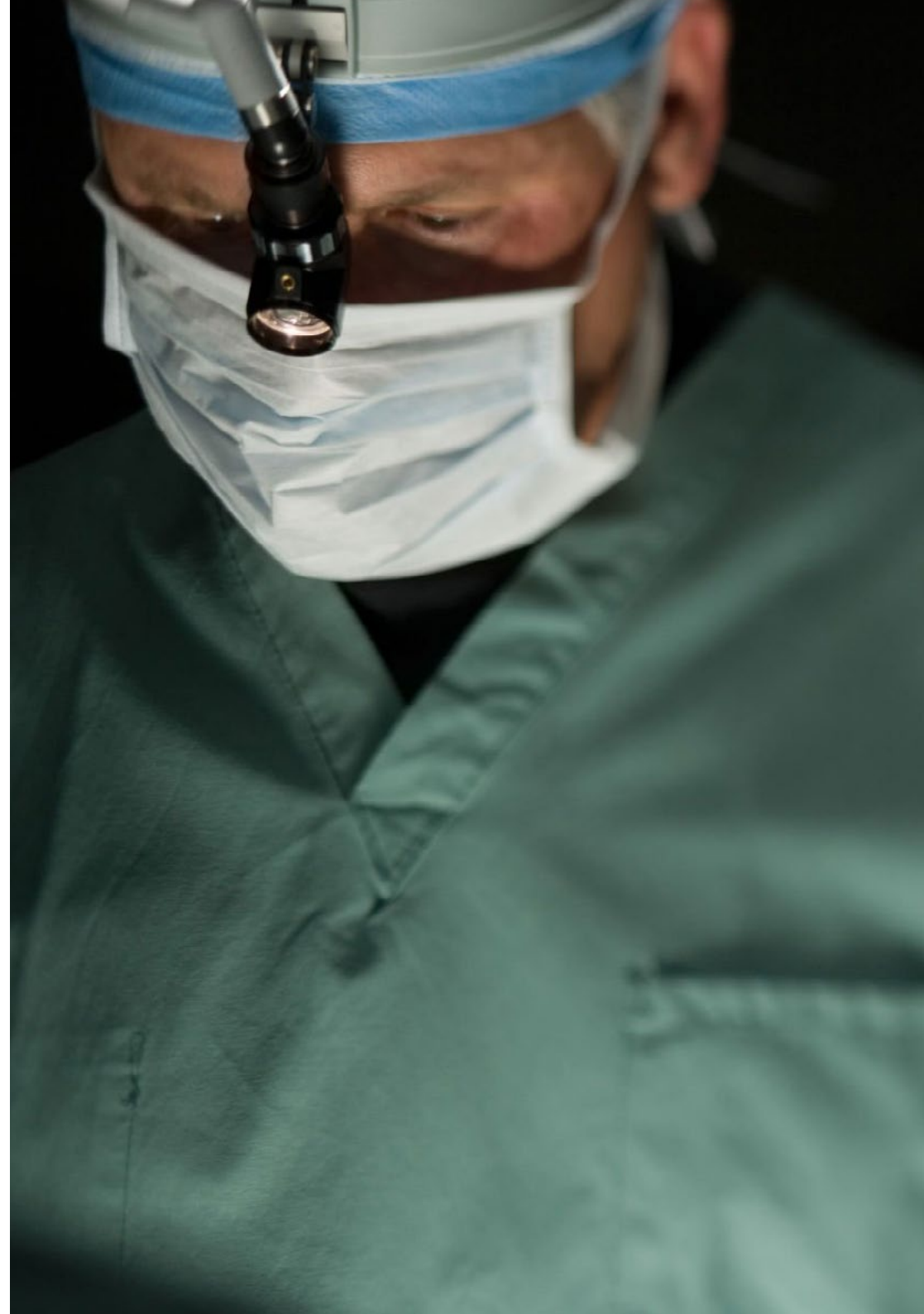
### Module 3. Diagnosis and Staging

- ♦ Review the performance and usefulness of each of the tests used in the diagnosis of thoracic tumors
- ♦ Describe the usefulness and performance of PET/CT with F18-FDG in the diagnosis, staging, treatment control and monitoring of thoracic tumors


- ♦ Learn more about thoracic MRI since it provides very complete anatomical information that can be fundamental for the patient's treatment, in addition to a functional assessment, and on many occasions its tissue characterization
- ♦ Review of available diagnostic tests for the assessment of cardiopulmonary reserve, necessary for the identification of patients at high risk of developing perioperative complications and significant long-term functional limitation after resection surgery
- ♦ Review the changes proposed for the new edition of the TNM, which imply a more accurate tumor staging

#### **Module 4. Basis of Treatment in Thoracic Oncology**

- ♦ Describe the evolution of current minimally invasive surgical techniques that allow complex surgeries to be performed with small incisions, preserving as much tissue as possible and with an accelerated recovery with less discomfort
- ♦ Explain the basis of thoracic radiotherapy, as well as the different techniques available and their efficacy in order to understand their place in the management of thoracic tumors
- ♦ Describe the new design of personalized clinical trials given the evidence that selective drugs have therapeutic benefits in molecularly defined subgroups of patients
- ♦ Interpret the impact of mutations on drug selection
- ♦ Assess the efficacy and safety aspects of the different therapeutic options
- ♦ Explain the different surgical options for the management of secondary lesions and their indications, which may, in turn, condition patient management







### **Module 5. Localized and Locally Advanced Stage Non-Small Cell Lung Carcinoma**

- ◆ Update of knowledge on disseminated stage non-small cell lung cancer in different topics that, due to their topicality and importance, represent major changes for the clinical practice of any specialist in thoracic tumors
- ◆ Describe the therapeutic algorithm for the management of each of the thoracic tumors and in the different stages
- ◆ Discuss the growing understanding of the molecular biology and immunology of lung tumors and how they are modifying the diagnostic and therapeutic approach

### **Module 6. Disseminated Stage Non-Small Cell Lung Carcinoma**

- ◆ Present the latest advances in translational research with practical implications in the management of metastatic non-small cell lung cancer
- ◆ Discuss the current landscape of lung cancer immunotherapy, combinations in clinical development, strategies for dose selection and trial design, clinical pharmacology and regulatory considerations
- ◆ Determine the positioning of each agent for the treatment of lung cancer
- ◆ Construct an appropriate treatment plan for a patient with a thoracic tumor at each stage
- ◆ Develop an appropriate treatment plan for patients with non-small cell lung cancer (NSCLC) that has progressed after initial treatment
- ◆ Design a treatment plan for a patient with small cell lung cancer (SCLC)
- ◆ Develop an appropriate treatment plan for a patient with SCLC that has progressed after initial treatment

### **Module 7. Microcytic Carcinoma of the Lung and Neuroendocrine Tumors**

- ♦ Help improve the diagnosis and management of lower incidence tumors such as neuroendocrine tumors, mesothelioma, thymoma or tumors of the posterior mediastinum and thoracic wall
- ♦ Assess the various therapeutic options available for first and subsequent lines of treatment in SCLC and neuroendocrine tumors
- ♦ Explain the cell biology and genetics of low and intermediate grade neuroendocrine tumors
- ♦ Identify the role of peptide receptor radionuclide therapy in the treatment of neuroendocrine lung tumors

### **Module 8. Tumors of the Pleura, Mediastinum and Thoracic Wall**

- ♦ Analyze the multidisciplinary treatment of pulmonary mesothelioma and future treatment options
- ♦ Define the prognostic value of the anatomopathological classification of thymomas
- ♦ Update on multidisciplinary thymoma treatment and future treatment options
- ♦ Discuss the role of surgery in posterior mediastinal tumors
- ♦ Delve into the diagnosis and treatment of thoracic wall tumors
- ♦ Update on the treatment of secondary pulmonary metastases





### **Module 9. Collaboration in the Management of Oncology Patients**

- ♦ 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

### **Module 10. From Clinical Management to Networking**

- ♦ Explain the different online platforms available that can help us to follow up patients and create a professional network
- ♦ Learn the basics of decision support systems that facilitate decision making in complex contexts
- ♦ Describe the virtues of Big Data for the detection of relationships between variables that can help us in the knowledge and for multiple purposes

# 04 Skills

The curriculum of this university degree favors the expansion of the diagnostic and therapeutic abilities and skills of professionals. This is possible thanks to the didactic resources provided and the practical experience, which allows students to obtain a much more direct and real vision through the monitoring of real patients



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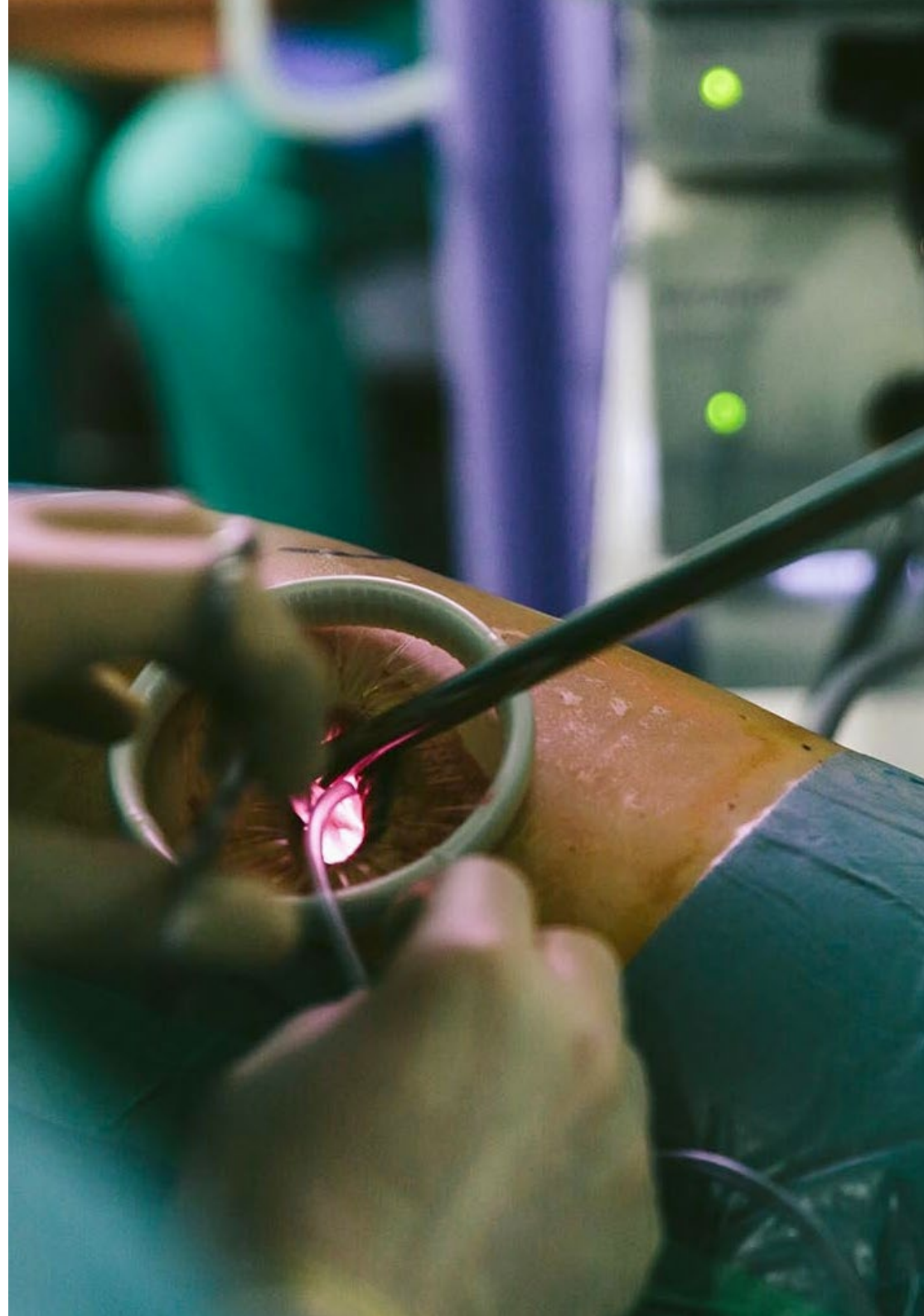
*Raise your diagnostic skills thanks to this program that will lead you to delve into the new digital and technical devices used for the follow-up of oncology patients"*

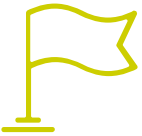


## General Skills

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- ♦ Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- ♦ Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the area of study
- ♦ Be able to integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments
- ♦ Know how to communicate conclusions and the ultimate knowledge and rationale behind them to specialized and non-specialized audiences in a clear and unambiguous manner
- ♦ Acquire the learning skills that will enable to continue studying in a manner that will be largely self-directed or autonomous





## Specific Skills

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- Writing the advances made in the field of Thoracic Oncology in detail and their applications in routine clinical practice
- Identify the pathological processes in thoracic oncologic diseases and know their main characteristics
- Describe the main characteristics of oncologic lung disease and incorporate the advances established in recent years
- Incorporate new knowledge and approaches to oncologic lung disease
- Perform a comprehensive approach to thoracic oncologic pathology based on current advances in the field of thoracic oncology
- Perform an in-depth approach to localized and metastatic pulmonary pathology based on current knowledge
- Improve knowledge of pleural, mediastinal and thoracic wall tumors
- Identify the main elements of overlap between medical oncology and radiation oncology in lung tumor pathology
- Incorporate thoracic oncologic pathology management techniques at a technical level in the diagnostic-therapeutic process, as well as in patient monitoring
- Value research and the incorporation of technological advances as the only way to progress in Thoracic Oncology
- Describe current advances and new perspectives that open new avenues of development within Thoracic Oncology
- Incorporate new technologies into daily practice, knowing their advances, limitations and future potential



*A university degree that will lead you to the relevant role of new surgical techniques in posterior mediastinal tumors"*

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# Course Management

The management and teaching team of this university degree has been selected on the basis of the excellent professional career of each one of them, where the great capacity for the approach and study of patients with cancer prevails. This gives security to students who wish to upgrade their knowledge through the best experts in this field. In addition, the proximity and human quality of the teaching staff will allow you to resolve any doubts you may have about the content of this Hybrid Professional Master's Degree





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*Experts in Thoracic Oncology with extensive professional clinical and research experience will be responsible for bringing you closer to the latest developments in this specialty"*

## Internationaler Gastdirektor

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

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- 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

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*With the help of 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 Department of Rey Juan Carlos University Hospital
- PhD in Medicine at the Complutense University of Madrid
- Master's Degree in Bioinformatics and Biostatistics UOC-UB
- Master's Degree in Bioinformatics Analysis from the Pablo de Olavide University
- Research Fellow at Southampton University
- Degree in Medicine and Surgery at University of Navarra, Spain
- Member of: Spanish Society of Medical Oncology (SEOM) and Spanish Group of Digestive Tumors (TTD)



### **Dr. Muguruza Trueba, Ignacio**

- ♦ Head of the Department of Public Hospitals at Quirónsalud
- ♦ Surgeon Specializing in Robotic Surgery
- ♦ Director of the Integrated Research Project (IIP) of Thoracic Oncology of the Spanish Society of Pulmonology and Thoracic Surgery
- ♦ Secretary of the Thoracic Oncology Area of the National Society of Pulmonology and Thoracic Surgery
- ♦ Deputy Director of the Editorial Committee of the Journal of Respiratory Pathology of Neumomadrid
- ♦ Member of the National Commission of Thoracic Surgery in the Ministry of Health
- ♦ Coordinator of the Oncology Area in Neumomadrid
- ♦ Specialist in the Lung Transplant Program at the Ramón y Cajal University Hospital
- ♦ Attending Physician of Thoracic Surgery at the Ramón y Cajal University Hospital
- ♦ Doctor of Medicine from the University of Alcalá
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid

## Professors

### Dr. Villar Álvarez, Felipe

- ♦ Associate Head of the Pulmonology Department of the Jiménez Díaz Foundation University Hospital. Madrid
- ♦ Director of the Editorial Committee of the Respiratory Pathology Journal of Neumomadrid
- ♦ Secretary of the Integrated Research Project (IIP) of Thoracic Oncology of the Spanish Society of Pulmonology and Thoracic Surgery (SEPAR)
- ♦ MIR Specialist in Pulmonology at the Gregorio Marañón General University Hospital. Madrid
- ♦ Researcher of the CIBER network of Respiratory Diseases (CIBERES) belonging to Group 04
- ♦ Doctor Cum Laude in Medicine, Complutense University of Madrid
- ♦ Award for Best Doctoral Thesis in Pulmonology and Thoracic Surgery by the Madrid Society of Pulmonology and Thoracic Surgery Neumomadrid
- ♦ Degree in Medicine from the University of Salamanca
- ♦ Master's Degree in Clinical Unit Management from the University of Murcia
- ♦ Member of: Neumomadrid, SEPAR, ERS

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

- ♦ Médico Adjunto al Servicio de Neumología en el Hospital Universitario Rey Juan Carlos. Madrid, España
- ♦ Miembro: Sociedad Madrileña de Neumología y Cirugía Torácica
- ♦ Licenciado en Medicina y Cirugía

### Dr. Salgado Aranda, Sergio

- ♦ Especialista en Oncología Torácica
- ♦ Neumólogo en el Hospital Universitario del Sureste. Arganda del Rey, España
- ♦ Neumólogo en el Centro Médico Zuber
- ♦ Facultativo Especialista en Neumología en el Hospital Universitario del Tajo
- ♦ Máster en Avances en Diagnóstico y Tratamiento de las Enfermedades de las Vías Aéreas por la Universidad Católica San Antonio
- ♦ Experto Universitario en Bronquiectasias por la Universidad de Alcalá
- ♦ Experto Universitario en Contaminación y Enfermedades Respiratorias por la Universidad CEU San Pablo
- ♦ Licenciado en Medicina por la Universidad Complutense de Madrid

### Dr. Torres Rivas, Hector Enrique

- ♦ Facultativo del Servicio de Anatomía Patológica en el Hospital Universitario Central de Asturias
- ♦ Especialista en Patología Intervencionista y Análisis Clínicos
- ♦ Licenciado en Medicina y Cirugía por la Universidad de los Andes

**Dr. Call Caja, Sergi**

- ♦ Clinical Chief of the Thoracic Surgery Service at the Hospital Universitari MútuaTerrassa. Barcelona
- ♦ Associate Professor at the Autonomous University of Barcelona
- ♦ Doctorate in Medicine and Surgery from the Autonomous University of Barcelona
- ♦ Degree in Medicine and Surgery from the Autonomous University of Barcelona
- ♦ AQU Accreditation

**Dr. Puente Maestú, Luis**

- ♦ Chief of the Pneumology Department at the University Hospital General Gregorio Marañón, Madrid
- ♦ Physician of the Pneumology Service at the University Hospital Virgen del Rocío, Seville
- ♦ Pneumologist at the University Hospital Vall d'Hebron, Barcelona
- ♦ Specialist Physician at the Hospital Marseillaise de St. Marguerite, France
- ♦ Specialist Physician at the Hospital General Universitario Gregorio Marañón, Madrid, Spain
- ♦ Research stay at the Harbor-UCLA Medical Center of the University of California, USA
- ♦ Doctor in Medicine and Surgery, Complutense University of Madrid, Spain
- ♦ Master's Degree in Design and Statistics in Health Sciences, Universidad Autónoma de Barcelona
- ♦ Master's Degree in Health Services Management from the Laín Entralgo Agency
- ♦ Master's Degree in Senior Management of Health Services and Business Management from the University of Alcalá
- ♦ Member of: European Society of Pneumology and Thoracic Surgery

**Dr. Rami Porta, Ramón**

- ♦ Head of the Thoracic Surgery Service at the University Hospital MútuaTerrassa
- ♦ President of the International Committee on Staging and Prognostic Factors of the International Association for the Study of Lung Cancer (IASLC)
- ♦ Collaborating Professor of Thoracic Surgery at the Gimbernat University School of the Autonomous University of Barcelona
- ♦ Executive Editor of the Manual of Staging in Thoracic Oncology and the Manual of Staging in Thoracic Oncology of the IASLC
- ♦ Degree in Medicine and Surgery

**Dr. Moreno Mata, Nicolás**

- ♦ Chief of the Thoracic Surgery Department at the University Hospital Ramón y Cajal
- ♦ Chief of Service at the University Hospital Virgen del Rocío
- ♦ Associate Professor of the Department of Surgery, Medical and Social Sciences at the University of Alcalá

**Dr. Vicente Antunes, Sara Isabel**

- ♦ Medical Specialist of the Thoracic Surgery Service at the University Hospital Rey Juan Carlos. Madrid
- ♦ Specialist in Thoracic Surgery at the University Hospital Infanta Elena
- ♦ Degree in Medicine and Surgery from the University of Salamanca

**Dr. Cabañero Sánchez, Alberto**

- ♦ Thoracic Surgeon at the Ramón y Cajal University Hospital in Madrid
- ♦ MIR in the specialty of Thoracic Surgery at the University Hospital Ramón y Cajal
- ♦ Degree in Medicine and Surgery from the University of Alcalá

**Dr. Gómez de Antonio, David**

- ◆ Specialist Physician in the Thoracic Surgery Service at the Puerta de Hierro Majadahonda University Hospital
- ◆ Physician in the Madrid Health Service
- ◆ Doctor in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Member: Madrid Society of Pneumology and Thoracic Surgery

**Dr. Jiménez - Hiscock, Luis**

- ◆ Medical Specialist in Thoracic Surgery
- ◆ Thoracic Surgeon in HM Hospitals
- ◆ Thoracic Surgeon at the University Hospital of Getafe
- ◆ Doctor of Medicine from the Complutense University of Madrid
- ◆ Member: Spanish Association of Surgeons, European Society of Thoracic Surgeons, Spanish Society of Thoracic Surgery, Spanish Society of Pneumology and Thoracic Surgery

**Dr. Saldaña Garrido, David**

- ◆ Thoracic Surgery Specialist
- ◆ Assistant Physician of Thoracic Surgery at the University Hospital Ramón y Cajal
- ◆ President of Neumomadrid
- ◆ Thoracic Surgeon at the University Hospital Vithas Madrid Aravaca
- ◆ Thoracic Surgeon at the University Hospital Vithas Madrid Arturo Soria
- ◆ Thoracic Surgeon at the University Hospital Vithas Madrid La Milagrosa
- ◆ Thoracic Surgeon at Hospital San Francisco de Asís

- ◆ Thoracic Surgeon at MD Anderson Cancer Center. Madrid
- ◆ Lung Transplant Coordinator at the University Hospital Ramón y Cajal
- ◆ Clinical Professor and teaching collaborator in Thoracic Surgery in the Department of Surgery at the University of Alcalá
- ◆ Professor and Coordinator of Thoracic Surgery at the European University of Madrid
- ◆ Doctor of Medicine from the University of Alcalá
- ◆ Degree in Medicine and Surgery from the Faculty of Medicine at the University of Valladolid
- ◆ Bachelor's Degree and Licensure Examination with Outstanding Cum Laude Qualification
- ◆ Master's Degree in Medical Direction and Clinical Management, Escuela Nacional de Sanidad
- ◆ Visiting Physician of the Thoracic Surgery Service at the Massachusetts General Hospital
- ◆ Member: Madrid Society of Pneumology and Thoracic Surgery
- ◆ Spanish Society of Pneumology and Thoracic Surgery
- ◆ European Respiratory Society
- ◆ European Society of Thoracic Surgeons
- ◆ Thoracic Surgeons Club
- ◆ Committee of Clinical Trials at the Ramón y Cajal Hospital

**Dr. Karachaliou, Niki**

- ◆ Medical Oncology and Research Specialist
- ◆ Director of the Translational Research Program at the University Hospital Quirón Dexeus. Barcelona
- ◆ Executive Director and Head of Clinical Development at Tepotinib, Merck KGaA



- ♦ Director of the Dr. Rosell Medical Oncology Service at the University Hospital Sagrat Cor of the Rosell Oncology Institute. Barcelona, Spain
- ♦ Translational Oncology Research at Pangea Oncology and Hospital Universitari Dexeus
- ♦ Doctor of Medicine PhD, Lung and Small Cell Cancer, University of Crete. Greece
- ♦ Doctor of Medicine at Ethnikon kai Kapodistriakon Panepistimion Athinon. Athens
- ♦ Degree in Medicine and Surgery

#### **Dr. Molins López-Rodó, Laureano**

- ♦ Head of Thoracic Surgery Service at Hospital Clínic. Barcelona
- ♦ Head of Thoracic Surgery Service at the Sagrado Corazón University Hospital
- ♦ Thoracic Surgeon at Teknon Medical Center
- ♦ Associate Professor of Surgery at the University of Barcelona
- ♦ Editor, Editorial Member and Reviewer of the Lung Cancer Journal
- ♦ Reviewer of Bronchopneumology Archives of the Journal of Thoracic Oncology
- ♦ PhD in Medicine and Surgery from the University of Barcelona
- ♦ Degree in Medicine and Surgery from the University of Barcelona
- ♦ Member: President of the National Commission of Thoracic Surgery, Founder of the European Society of Thoracic Surgeons, Director of the International Joint Meeting on General Thoracic Surgery, International Association for the Study of Lung Cancer, European Society of Cardiothoracic Surgery, American Association of Thoracic Surgery, American Society of Thoracic Surgeons

#### **Dr. Disdier Vicente, Carlos**

- ♦ Coordinator of the Diagnostic and Therapeutic Techniques and Lung Transplantation Area of the Spanish Society of Pulmonology and Thoracic Surgery
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- ♦ Master's Degree in Teacher Training by the Universidad Anáhuac
- ♦ Certificate Recovery Specialist by the Grief Recovery Institute
- ♦ Professor of the program of Basic Surgery Course in Accidents and/or Iatrogenies in Endoscopic Surgery by Johnson & Johnson Medical Mexico.
- ♦ Lecturer of the Basic Course of Laparoscopic Surgery in Cholangiography and Biliary Tract Management at the Professional Support Center by Johnson & Johnson Medical
- ♦ Professor of the II Basic Laparoscopic Course in Cholangiography and Biliary Tract Management at the Mexican Association of Laparoscopic Surgery by Johnson & Johnson Medical Mexico
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- ♦ Collaborating researcher in the Venous Thromboembolic Disease Research Group at the Ramón y Cajal Institute
- ♦ Member: Smoking Prevention Committee of the Ramón y Cajal University Hospital, Commission of thoracic tumors of the University Hospital Ramón y Cajal, Pneumomadrid, Spanish Society of Pneumology and Thoracic Surgery (SEPAR), European Respiratory Society (ERS), American Thoracic Society (ATS)

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- ♦ Degree in Medicine and Surgery from the University of Alcalá
- ♦ Specialty of Internal Medicine at the 12 de Octubre University Hospital
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- ♦ Co-author of more than a dozen books and chapters related to the Medical Area

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- ♦ Director of the Brain Foundation
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- ♦ President of the Madrid Association of Neurology
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- ♦ Master's Degree in Neoplastic Diseases from the University of the Basque Country/Euskal Herriko Unibertsitatea (UPV/EHU)
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- ♦ Expert in Oncology at the European Medicines Agency.
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- ♦ Lecturer at national and international congresses, conferences and training courses.
- ♦ Principal investigator in multiple clinical trials specialized in lung cancer.
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- ♦ Diploma in Clinical Management in Medical Oncology from the Pompeu Fabra University of Barcelona.

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- ♦ Physician at the 12 de Octubre University Hospital.
- ♦ Physician at the Marqués de Valdecilla Hospital
- ♦ Faculty member at MD Anderson in the United States
- ♦ Medical Oncology Specialty
- ♦ Professor at the Department of Medicine, University of Oviedo, Faculty of Health Sciences.
- ♦ Degree in Medicine and Surgery

**Dr. Cobo Dols, Manuel**

- ♦ Specialist Physician of the Medical Oncology Service at the Carlos Haya University Hospital. Malaga, Spain
- ♦ Specialist in Medical Oncology
- ♦ Degree in Medicine and Surgery from the University of Malaga
- ♦ Member: Board of Directors of the Spanish Lung Cancer Group (GECP) , Spanish Society of Medical Oncology (SEOM)

**Dr. Palomar Coloma, Virginia**

- ♦ Medical Oncologist at the San Carlos Clinical Hospital.
- ♦ Medical Oncologist at the General University Hospital of Valencia.
- ♦ Fellow of the Spanish Group of Head and Neck Tumors for rotation at the Institut Gustave Roussy. Villejuif, France
- ♦ Degree in Medicine and Surgery from the University of Valladolid with Specialty in Medical Oncology.
- ♦ Member of the Spanish Society of Medical Oncology (SEOM).

**Dr. De Olaiz Navarro, Beatriz**

- ♦ Chief of Thoracic Surgery Section at the University Hospital of Getafe
- ♦ Assistant Physician of the Thoracic Surgery Department at the University Hospital of Getafe
- ♦ Assistant Physician of the Thoracic Surgery Service at the University Hospital Complex of Albacete
- ♦ Assistant Physician of the Thoracic Surgery Service at the University Hospital Fundación Jiménez Díaz
- ♦ Degree in Medicine from the Universidad Autónoma de Madrid
- ♦ Specialty in Thoracic Surgery at the University Hospital Ramón y Cajal
- ♦ Rotation in the General Thoracic Surgery Service at Massachusetts General Hospital. Boston
- ♦ Antonio Caralps i Massó Award from Covidien for the best communication in Thoracic Surgery
- ♦ Member: Spanish Society of Thoracic Surgery (SECT), Spanish Society of Pneumology and Thoracic Surgery (SEPAR)

**Dr. López Ramírez, María Escarlata**

- ♦ Head of the Radiation Oncology Department at the University Hospital Fundación Jiménez Díaz, Madrid.
- ♦ Co-director of the Spanish School of Radiation Oncology (EEOR).
- ♦ Assistant Physician at the Virgen de las Nieves Hospital, Granada.

- ◆ Professor Accredited by the National Agency for Quality Assessment and Accreditation (ANECA).
- ◆ Doctor Cum Laude and Extraordinary Award by the University of Granada.
- ◆ Degree in Medicine and Surgery
- ◆ Expert in Radiation Oncology by the Health Quality Agency of the Andalusian Health Service (SAS).
- ◆ Member of: Spanish Society of Radiation Therapy Oncology, Spanish Society of Radiosurgery, Latin American Society of Radiosurgery

#### **Dr. Ballesteros Bargues, Javier**

- ◆ Graduate in medicine and surgery
- ◆ Arganda University Hospital. Madrid Spain

#### **Dr. Couñago Lorenzo, Felipe**

- ◆ Specialist Physician in Radiation Oncology
- ◆ Associate Chief of Radiation Oncology at Quirónsalud University Hospital
- ◆ Coordinator of the Spanish Oncology Group for the Study of Lung Cancer of the Spanish Society of Radiation Oncology
- ◆ Principal Investigator in clinical trials related to Prostate and Lung Cancer
- ◆ Founder of the Multidisciplinary Research Group of Radiation Oncology at Quirónsalud University Hospital.
- ◆ Speaker at national and international reference congresses
- ◆ Degree in Medicine and Surgery from the University of Santiago de Compostela

- ◆ Member: European Society for Radiotherapy and Oncology, International Association for the Study of Lung Cancer, Spanish Society of Radiation Therapy Oncology, Clinical Research Group in Radiation Oncology, Spanish Oncologic Group for the Study of Lung Cancer, Spanish Group of Urological Tumors, Spanish Group of Immuno-Biological Therapies in Cancer

#### **Dr. Grande Pulido, Enrique**

- ◆ Head of the Medical Oncology and Clinical Research Service at MD Anderson Foundation.
- ◆ Director of Clinical and Translational Research at the Medical Oncology Service of the Ramón y Cajal University Hospital.
- ◆ Clinical Researcher associated with the National Cancer Research Center.
- ◆ Expert advisor to the Spanish Agency of Medicines and Health Products.
- ◆ Research staff at the Phase I Unit of the Spanish Clinical Trials Platform.
- ◆ Medical Advisor of Oncology in the Pharmaceutical Industry.
- ◆ Associate Editor of the scientific journal Clinical and Translational Oncology
- ◆ Specialist Physician in the Department of Medical Oncology at San Carlos Clinical Hospital.
- ◆ Doctorate in Medicine at the University of Alcalá
- ◆ Master's Degree in Oncology and Molecular Biology at the Centro Nacional de Investigaciones Oncológicas.
- ◆ Member of: European Society of Neuroendocrine Tumors , American Society of Clinical Oncology, Spanish Society of Medical Oncology

**Dr. Firvida Pérez, José Luis**

- ♦ Head of the Medical Oncology Service at the Polyclinic of the Cosaga Group
- ♦ Head of the Medical Oncology Service at the El Carmen Medical Center in Ourense
- ♦ Specialist in Medical Oncology at the Ourense Hospital Complex
- ♦ Specialist in Medical Oncology at the Hospital Clínico y Provincial de Barcelona
- ♦ Author and co-author of more than 85 publications and scientific papers at national and international level.
- ♦ Participation in projects and clinical trials
- ♦ More than 110 papers presented at national and international congresses.
- ♦ Doctoral courses on Tumor Pathology at the Department of Cell Biology and Pathology of the Faculty of Medicine of the University of Salamanca
- ♦ Degree in Medicine from the University of Santiago de Compostela
- ♦ Specialist in Medical Oncology at the Hospital Clínico y Provincial de Barcelona
- ♦ Postgraduate Diploma in Digital Teaching for Medicine from CEU Cardenal Herrera University
- ♦ Master's Degree in Precision Oncology: Genomics and Big Data from the CEU Cardenal University.
- ♦ Member: American Society of Clinical Oncology, Spanish Society of Medical Oncology ,Galician Oncology Society, Spanish Lung Cancer Group, Galician Lung Cancer Group







**Dr. García Salmones, Mercedes**

- Head of the Pneumology Department, Rey Juan Carlos University Hospital. Madrid, Spain
- PhD in Pneumology, Universidad Complutense de Madrid.
- Degree in Medicine and Surgery, Universidad Complutense de Madrid.
- Postgraduate Diploma in Smoking, University of Cantabria.
- Member of the Scientific Committee of the Madrid Society of Pneumology and Thoracic Surgery.
- Member of the Neuromadrid Congress Committee.

**Dr. Segrelles Calvo, Gonzalo**

- Medical Director and Co-Founder of Scientia Peritajes Sanitarios.
- Specialist Expert in Pneumology in ASPEJURE
- Medical Specialist in Pneumology as an independent professional at Top Doctors.
- Medical Specialist in the Pneumology Service at the University Hospital Rey Juan Carlos. Madrid
- Expert Medical Advisor in Dictamed I and I Specialist Physician of the Pneumology Department at the 12 de Octubre University Hospital.
- Specialist Physician of the Pneumology Department at the University Hospital of La Princesa.
- Researcher associated with the Pneumology Department at the Foundation for Biomedical Research of the University Hospital of La Princesa.
- Doctor of Medicine from the Universidad Autonoma of Madrid.
- Degree in Medicine and Surgery from the Miguel Hernández University of Elche.

#### **D. Perdices Ramírez, Javier**

- ♦ Healthcare Senior Account Executive for Spain at Amazon Web Services
- ♦ CEO and Board Member at ChipCard Healthcare
- ♦ CIO at Redsys Healthcare
- ♦ Senior Management Consultant at Minsait
- ♦ Director of E-Health at Ártica Telemedicina of the CMC Group
- ♦ Managing Director and Founding Partner at Ártica Telemedicina del Grupo CMC
- ♦ Researcher at ETSIT in the Bioengineering and Telemedicine Group
- ♦ Graduate in Telecommunications Engineering from the Polytechnic University of Madrid (UPM)
- ♦ Master's Degree in ICT Systems for Health by the Universitat Oberta de Catalunya (UOC)
- ♦ Diploma in Advanced Studies and Research Proficiency from the Polytechnic University of Madrid (UPM)

#### **Dr. Cabrera Gonzalez, Miguel Luís**

- ♦ Head of IT at the Son Espases University Hospital. Palma de Mallorca
- ♦ Degree in Medicine and Surgery
- ♦ Superior Engineer in Computer Science

#### **D. Olivas Varela, Jose Ángel**

- ♦ Director of the Soft Management of Internet and Learning (SMILe) Research Group  
Research Collaborator of the Berkeley Initiative in Soft Computing (BISC) of the University of California
- ♦ Research Collaborator at the Artificial Intelligence Center of the SRI International at Stanford University
- ♦ Research Collaborator of the Aerospace Engineering and Services Group (INSA-NASA)
- ♦ Director of the IT Department of Project & Portfolio Management (PPM)
- ♦ Consultant in Intelligent Systems for companies such as Southco, Danone or ATT
- ♦ Member of the Spanish Association for Artificial Intelligence

#### **Dr. Martínez Muñiz, Francisco de Borja**

- ♦ Physician in the Pneumology Service at the Hospital Universitario Príncipe de Asturias
- ♦ Adjunct Physician at the Bronchoscopy Unit at the Hospital HM La Esperanza
- ♦ Specialist in Pneumology at the Hospital Doctor López Cano

#### **Dr. Flandes Aldeyturriaga, Javier**

- ♦ Chief of the Pneumology Service at the Fundación Jiménez Díaz University Hospital
- ♦ Director of the Bronchoscopy and Interventional Pneumology Unit at the Hospital Jimenez Diaz Foundation University Hospital
- ♦ President of the Spanish Association of Respiratory Endoscopy and Interventional Pneumology (AEER)
- ♦ Regent for Spain of the World Association of Bronchoscopy (WABIP)
- ♦ Professor of Medicine

- ♦ Specialist of the Pneumology Service at the Prince of Asturias University Hospital
- ♦ Fellow of the American College of Chest Physicians
- ♦ National Award of Medicine Siglo XXI in the Specialty of the best Pneumologist
- ♦ Member: Spanish Society of Pneumology and Thoracic Surgery (SEPAR), European Respiratory Society

#### **Dr. Carrillo Ridao, Esteban**

- ♦ Technical Adviser to the Ministry of Health
- ♦ Analyst of social and health care spaces and units against cancer

#### **Dr. Astudillo González, Aurora**

- ♦ Former Scientific Director of the Principality of Asturias Biobank
- ♦ Former Professor of Anatomic Pathology at the University of Oviedo
- ♦ Associate Professor at the University of Oviedo Linked to the Central University Hospital of Asturias
- ♦ TEDx Talks Speaker
- ♦ European Board of Neuropathology
- ♦ European Board of Pathology

#### **Mr. Calles Blanco, Antonio**

- ♦ Specialist in Medical Oncology at the San Carlos Clinical Hospital, Madrid
- ♦ Department of Medical Oncology at the Health Council of the Community of Madrid
- ♦ Assistance, teaching and research work at the Hospital General Universitario Gregorio Marañón, Madrid
- ♦ Tutor of residents and teaching Collaborating Physician in External Medical Practice Teaching at the Complutense University of Madrid
- ♦ Degree in Medicine and Surgery at the Universidad Autónoma de Madrid

#### **Dr. Couselo Paniagua, María Luz**

- ♦ Radiation Oncologist at the University Hospital Complex of Santiago de Compostela
- ♦ Radiation Oncology Service at the Hospital Central de La Defensa Gómez Ulla
- ♦ Doctor of the Gynecological Tumors Group of the Spanish Society of Radiation Oncology (SEOR)
- ♦ Degree in Medicine and Surgery

#### **Dr. Vallejo, Carmen**

- ♦ Head of the Radiation Oncology Section. Ramón y Cajal University Hospital, Madrid

#### **Dr. Mejías Estévez, Manuel**

- ♦ Coordinator of the Palliative Care Working Group of the Spanish Society of Primary Care Physicians
- ♦ Independent advisor to the Technical Committee of the Palliative Care Strategy of the National Health System
- ♦ Director of the Training and Research Department of the SantÁngela Institute (ISA) for Chronic Illness and Palliative Care
- ♦ Family Doctor for different instances and centers of the Andalusian Health System
- ♦ Master's Degree in Palliative Care at Comillas Pontifical University
- ♦ Master's Degree in Care for Caregivers of Dependent Persons from the University of Seville
- ♦ Expert in Pain in Primary Care by the University of Cadiz

**Dr. Puente Muñoz, Ana Isabel**

- ♦ Associate Chief of the Neurophysiology Service at the Clinic of the Hospital La Luz.
- ♦ Responsible for the Clinical Neurophysiology Unit at the University Hospital Central de la Cruz Roja San José y Santa Adela.
- ♦ Coordinator of the Sleep and Electroencephalography Unit at Hospital Quirónsalud Sur.
- ♦ Coordinator of the Sleep Unit at the University Hospital Sanitas La Moraleja.
- ♦ Resident Medical Intern in Neurophysiology at the Clinic of the San Carlos Clinical Hospital.
- ♦ Author and co-author of scientific articles and books related to her specialty.
- ♦ Speaker at numerous congresses on Clinical Neurophysiology.

**Dr. Rodríguez Pérez, Aurora**

- ♦ Head of the Radiation Oncology Service at the Ruber International Hospital.
- ♦ Acting Chief at the University Hospital of Fuenlabrada.
- ♦ Commander and Military Doctor, participating in several international missions.
- ♦ Collaborating Professor at the Rey Juan Carlos University
- ♦ Collaborating Professor at the CEU San Pablo University.
- ♦ Specialist in Radiation Oncology at the Hospital Central de la Defensa Gomez Ulla
- ♦ Doctor Cum Laude in Medicine from the Complutense University of Madrid.
- ♦ Master's Degree in Total Quality Management from the School of Industrial Organization.
- ♦ Degree in Medicine and Surgery from the Universidad Autónoma de Madrid.
- ♦ Member: General Secretary of the Spanish Society of Radiation Oncology (SEOR)
- ♦ Member of the Board of Directors of Grupo de Investigación Clínica en Oncología Radioterápica (GICOR), Spanish Group of Breast Radiation Oncology (GEORM), Spanish Lung Cancer Group (GECp), Spanish Brachytherapy Group (GEB) of the Spanish Society of Radiation Oncology (SEOR)





**Dr. Jarabo Sarceda, José Ramón**

- ◆ Medical Specialist in Thoracic Surgery at the San Carlos Clinical Hospital.
- ◆ Principal Investigator and Collaborator in several R+D+i projects.
- ◆ Author of numerous scientific publications
- ◆ Member: Scientific Committee of the Spanish Society of Thoracic Surgery, Coordinator of the Thoracic Surgery Section of the Spanish Association of Surgeons, Lecturer in university studies of Medicine, Doctor in Health Sciences and Biomedicine, Complutense University of Madrid.

**Dr. Vicente Martín, Cristina**

- ◆ Associate Chief of the Internal Medicine Service of the Palliative Care Unit at the University Hospital Rey Juan Carlos
- ◆ Specialist in Internal Medicine at the Hospital General Universitario Nuestra Señora del Prado
- ◆ Internal Medicine Specialist at the Severo Ochoa University Hospital with attention in the Acute Palliative Care Unit
- ◆ Palliative Care Area Specialist at the San José Institute Foundation
- ◆ Area Specialist in Palliative Care at the University Hospital Rey Juan Carlos
- ◆ Area Specialist in Internal Medicine at the Infanta Elena University Hospital
- ◆ Associate Professor at the University Alfonso X el Sabio
- ◆ Specialist in Internal Medicine at the University Hospital Severo Ochoa
- ◆ Master's Degree in Palliative Medicine and Supportive Care for Cancer Patients, Universidad Autonoma of Madrid
- ◆ Master's Degree in Design and Statistics in Health Sciences from the Autonomous University of Barcelona

### **Dr. Hoyos Mejía, Lucas**

- ♦ Thoracic Surgeon at the University Hospital Puerta de Hierro Majadahonda.
- ♦ Physician in the Intensive Care Unit of the Cardiovascular Foundation of Colombia.
- ♦ Researcher on Thoracic Surgery at the Instituto de Investigación Sanitaria Puerta de Hierro
- ♦ Author of several scientific publications on his medical specialty.

### **Dr. Villar Álvarez, Felipe**

- ♦ Associate Head of the Pulmonology Department of the Jiménez Díaz Foundation University Hospital. Madrid
- ♦ Director of the Editorial Committee of the Respiratory Pathology Journal of Neumomadrid
- ♦ Secretary of the Integrated Research Project (IIP) of Thoracic Oncology of the Spanish Society of Pulmonology and Thoracic Surgery (SEPAR)
- ♦ MIR Specialist in Pulmonology at the Gregorio Marañón General University Hospital. Madrid
- ♦ Researcher of the CIBER network of Respiratory Diseases (CIBERES) belonging to Group 04
- ♦ Doctor Cum Laude in Medicine, Complutense University of Madrid
- ♦ Award for Best Doctoral Thesis in Pulmonology and Thoracic Surgery by the Madrid Society of Pulmonology and Thoracic Surgery Neumomadrid
- ♦ Degree in Medicine from the University of Salamanca
- ♦ Master's Degree in Clinical Unit Management from the University of Murcia
- ♦ Member of: Neumomadrid, SEPAR, ERS

### **Dr. Dueñas Porto, Marta**

- ♦ Researcher at the Center for Energy, Environmental and Technological Research (CIEMAT)
- ♦ Researcher at the Foundation for Biomedical Research I+12
- ♦ Head of the Genomics Department at the Center for Genetic Engineering and Biotechnology
- ♦ Researcher at the Center for Genetic Engineering and Biotechnology
- ♦ PhD in Molecular Biology, Universidad Autónoma de Madrid (UAM)
- ♦ Graduate in Biological Sciences from the UH
- ♦ Member of the Profarma Technical Committee

### **Dr. Lage Alfranca, Yolanda**

- ♦ Medical Specialist in Oncology
- ♦ Physician of the Oncology Department at the Jiménez Díaz Foundation University Hospital
- ♦ Speaker at many specialized conferences and congresses
- ♦ Graduate in Medicine and Surgery
- ♦ Member of: Spanish Society of Medical Oncology

### **Ms. Caballero, Begoña**

- ♦ FEA of Radiation Oncology at University Hospital of Fuenlabrada
- ♦ Medical Specialist in Radiation Oncology at the 12 de Octubre University Hospital in Madrid
- ♦ FEA of Oncology at the Hospital Ruber International
- ♦ FEA of Oncology at the University Hospital La Paz of Madrid
- ♦ Teacher of the 11th Program of Support Treatments in Radiation Oncology
- ♦ Author of the Webinar on Prostate Cancer at the ProstaMadrid Group Conference

**Dr. Amaya Escobar Enrique**

- ♦ Radiation Oncologist at the Puerta de Hierro University Hospital.
- ♦ Specialist Physician in the Radiation Oncology Service at the Madrid Norte Sanchinarro University Hospital.
- ♦ Area Specialist in the Radiation Oncology Department of the Jove Hospital Foundation
- ♦ Specialist Area Physician in the Radiation Oncology Department at the Hospital Universitario Rey Juan Carlos
- ♦ Honorary Collaborator as a teacher of medical students at the Rey Juan Carlos University.
- ♦ Professor TER Subject: Brachytherapy at the ITEP Training Center.
- ♦ Coordinator Internships in Clinical Centers at the ITEP Training Center.
- ♦ Professor on line Professional Master's Degree in Thoracic Oncology at CEU University
- ♦ Professional Master's Degree in Clinical Management, Medical and Health Care Management at the Technological University TECH
- ♦ Degree in Medicine from the Complutense University of Madrid.
- ♦ Member of: SEOR, SEOC, ESTRO, GICOR, GETTCC, URONCOR, SYROG, IRSA

**Dr. Bobo Jaureguizar, Andrea**

- ♦ Attending Physician in Radiation Oncology at La Luz Hospital
- ♦ Attending Physician in Radiation Oncology at La Paz University Hospital
- ♦ Attending Physician in Radiation Oncology at the Díaz Jiménez Foundation
- ♦ Participation in several oncological research projects
- ♦ Author and co-author of scientific articles published in journals
- ♦ Speaker at conferences and training sessions on oncology

**Ms. Hernández Miguel, María**

- ♦ Specialist in Radiation Oncology
- ♦ Assistant Physician of Radiation Oncology at the University Hospital Puerta de Hierro Majadahonda.
- ♦ Lecturer in Radiation Oncology Postgraduate Certificate programs.
- ♦ Master's Degree in Radiation Oncology from CEU Cardenal Herrera University.
- ♦ Master's Degree in Clinical Management, Medical and Health Care Management from CEU Cardenal Herrera University.
- ♦ Expert in Radiotherapy Treatment of Urological Tumors by CEU Cardenal Herrera University.

**Dr. Naya Prieto, Alba**

- ♦ Medical Researcher at Aether Tech SL
- ♦ Medical Specialist in Pulmonology at the Fundación Jiménez Díaz University Hospital
- ♦ Expert in Digital Teaching for Medicine by the Universidad Cardenal Herrera
- ♦ Expert in Integral Care by the Complutense University of Madrid
- ♦ Doctor of Medicine University of Oviedo

**Dr. Meneses Pardo, José Carlos**

- ♦ Thoracic Surgeon at the University Hospital 12 de Octubre
- ♦ Thoracic surgeon at the Torrejón University Hospital
- ♦ Specialist in Thoracic Surgery by the University of Seville
- ♦ Doctor of Medicine by the University of Seville

**Dr. Expósito Casas, María José**

- ♦ Expert in the Unit of Gynecological Tumors
- ♦ Expert in the Breast Tumours Unit
- ♦ Expert in the Brain Tumours Unit
- ♦ Expert in the Hematological Tumors Unit
- ♦ Specialized in oncology
- ♦ Bachelor of Medicine and Surgery

**Dr. García Campelo, María Rosario**

- ♦ Head of the Oncology Service of the University Hospital Complex of A Coruña
- ♦ Oncologist of the Medical Oncology Service at the University Hospital of A Coruña
- ♦ Oncologist of the Galician Health Service
- ♦ Degree in Medicine and Surgery

**Dr. Marcos Sánchez, Soraya**

- ♦ Expert in the Chest Tumours Unit
- ♦ Expert in the Head and Neck Tumors Unit
- ♦ Doctor of Medicine by the University of Salamanca

**Dr. de Granda Orive, José Ignacio**

- ♦ Specialist Pulmonologist at HM Gabinete Velázquez
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid

**Dr. Ludeña, Blanca**

- ♦ Specialist in Radiotherapy Oncology Service at the University Hospital of Fuenlabrada
- ♦ Expert in the Head and Neck Tumors Unit
- ♦ Expert in the Unit of Genitourinary Tumors
- ♦ Expert in the Cutaneous Tumors Unit
- ♦ Bachelor of Medicine and Surgery

**Dr. Miralbell, Raymon**

- ♦ Researcher at the European Scientific Institute
- ♦ Oncologist of the Department of Radiation Oncology at the University Hospital of Geneva
- ♦ Doctor of Medicine, University of Geneva
- ♦ Specialist in Radiooncology by the Hospital Sant Pau de Barcelona
- ♦ Bachelor of Medicine and Surgery
- ♦ Member: Chairman of the Swiss Proton Users Group, European Organization for Research and Treatment of Cancer

**Dr. Sánchez Lorente, David**

- ♦ Doctor of Medicine by the University of Barcelona
- ♦ Specialist in Thoracic Surgery at the Hospital Clínic of Barcelona
- ♦ Bachelor of Medicine and Surgery at the Universitat Autònoma de Barcelona



**Dra. Rubio Viqueira, Belén**

- ♦ Head of the Research Unit of the Medical Oncology Service
- ♦ Lung Cancer Expert
- ♦ Expert in Head and Neck Cancer
- ♦ Expert in Melanoma Cancer
- ♦ Bachelor of Medicine and Surgery

**Dra. Jiménez Fernández, Marta**

- ♦ Researcher at the Autonomous University of Madrid
- ♦ Doctor of Medicine by the Autonomous University of Madrid Master in Thoracic Oncology by the CEU Cardenal Herrera University
- ♦ Specialization in Thoracic Surgery at the University Hospital of La Princesa
- ♦ Doctor of Medicine by the University of Alcalá
- ♦ Master's Degree in Senior Management of Health Services and Business Management by the University of Alcalá
- ♦ Member of the European Society of Pneumology and Thoracic Surgery

**Dr. Marcos, Francisco José**

- ♦ Assistant Doctor of Radiotherapy Oncology at Hospital La Luz Madrid
- ♦ Doctor of Medicine by the Complutense University of Madrid
- ♦ University of Salamanca

**Dr. García Yuste, Mariano**

- ♦ Researcher working in the UVa Investiga
- ♦ Bachelor of Medicine and Surgery

**Dra. Partida González, Concepción**

- ♦ Specialist in the thoracic surgery service at La Paz Hospital
- ♦ Specialist in Thoracic Surgery at the University Hospital La Paz
- ♦ Master's degree in Pleural Pathology
- ♦ Master's degree in Body Damage Assessment and Medical Expertise
- ♦ Master in Aesthetic and Anti-Aging Medicine
- ♦ Doctor of Medicine and Surgery by the University of Seville
- ♦ Member: Board of Directors of the Foundation of the Spanish Society of Thoracic Surgery, Spanish Society of Pulmonology and Thoracic Surgery

**Dr. Calatayud Gastardi, Joaquín**

- ♦ Doctor by the Complutense University of Madrid
- ♦ Specialist in Liver Transplant Surgery at the Hospital Juan Canalejo
- ♦ Lung Transplant Specialist at Iron Gate Hospital
- ♦ Specialized in General and Digestive Surgery
- ♦ Specialized in Thoracic Surgery
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ♦ Member: Spanish Society of Thoracic Surgery Dr. Ahechu Garayoa, Patricia

**Dr. Corona Sánchez, Juan Antonio**

- ♦ Prostate cancer specialist
- ♦ Head and neck tumor specialist
- ♦ Specialist in hematological neoplasms
- ♦ Bachelor of Medicine and Surgery

**Dr. Aylas Guzmán, Mary Katharine**

- ♦ Doctor by the Complutense University of Madrid
- ♦ Specialist in Radiotherapy Oncology at the University Hospital 12 de Octubre
- ♦ Doctor of Medicine and Surgery by the University of San Martín de Porres

**Dr. de las Peñas Cabrera, Maria Dolores**

- ♦ Doctor of Medicine and Surgery by the University of Seville
- ♦ Specialist Area Doctor in Property at Hospital Puerta del Mar
- ♦ Doctor of Medicine and Surgery by the University of Malaga

**Dr. Martínez Peromingo, Javier**

- ♦ Director-General of Health and Social Coordination at the Madrid Health Service
- ♦ Master's degree in Management of Health Centres and Services from the Institute for Continuing Training of the University of Barcelona
- ♦ Doctor of Medicine, University of Alcalá





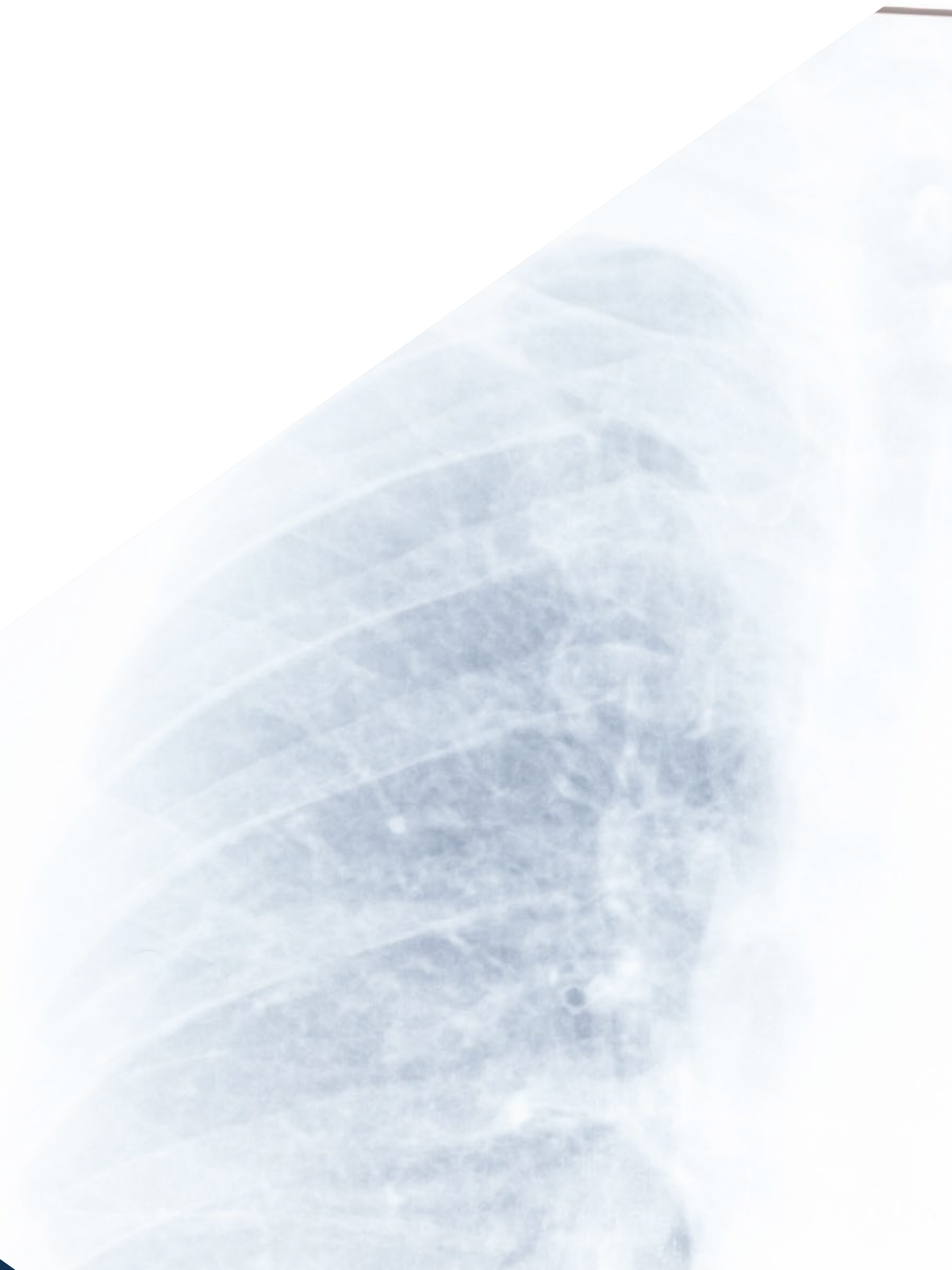
“

*You will obtain an up to date knowledge of Thoracic Oncology in only 12 months and from the hand of real specialists”*

# 06

## Educational Plan

TECH uses the *Relearningsystem*, given its effectiveness, in all its programs. With this method, the professional will advance more easily through the syllabus and will be able to reduce the long hours of memorization. This way, they will be able to upgrade their diagnostic and therapeutic skills in Thoracic Oncology. To facilitate this upgrade, it also includes video summaries of each topic, *in focus* videos, essential readings and clinical case studies. The culmination of this program will be a practical stay in a prestigious hospital center, where you will be able to test the latest procedures used by the best specialists in this area





“

*The multimedia didactic material will lead you to explore in a dynamic way the basics of treatment in Thoracic Oncology”*

## Module 1. Etiology, Prevention and Screening

- 1.1. Risk Factors and Prevention
  - 1.1.1. Risk Factors
  - 1.1.2. Lung Cancer and Other Respiratory Diseases (COPD, OSAHS)
  - 1.1.3. Smoking Cessation
- 1.2. Solitary Pulmonary Nodule
  - 1.2.1. Definition and Etiology. Estimation of Malignancy
  - 1.2.2. Diagnostic Techniques in the Study of Solitary Pulmonary Nodules
  - 1.2.3. Sequential Evaluation. Management Algorithm
- 1.3. Screening
  - 1.3.1. Screening. Algorithm of Action
  - 1.3.2. Implementation of Screening in the Healthcare System

## Module 2. Translational Oncology

- 2.1. Molecular Biology
  - 2.1.1. Molecular Mechanisms of Cancer
  - 2.1.2. Tumor Immunology: Basis of Cancer Immunotherapy
  - 2.1.3. Microenvironment Reprogramming in Lung Cancer
- 2.2. Translational Oncology
  - 2.2.1. Understanding the New Technology: *Next Generation Sequence* (NGS) in Clinical Practice
  - 2.2.2. Therapeutic Targets in NSCLC
  - 2.2.3. Liquid Biopsies in NSCLC: The Future Is Here
  - 2.2.4. Role of the Biobank in Clinical Research

## Module 3. Diagnosis and Staging

- 3.1. Clinical Diagnosis. Serum Markers
  - 3.1.1. Clinical diagnosis
  - 3.1.2. Paraneoplastic Syndromes
  - 3.1.3. Serum Markers

- 3.2. Imaging Techniques
  - 3.2.1. Chest X-ray
  - 3.2.2. Computed Tomography (CT)
  - 3.2.3. Thoracic Ultrasound Scan
  - 3.2.4. Magnetic Resonance Imaging (MRI) in the Assessment of Thoracic Tumors
  - 3.2.5. Positron Emission Tomography (PET)
- 3.3. Cytohistological Studies
  - 3.3.1. Classification and Anatomopathological Study
  - 3.3.2. Non-Invasive Methods: Sputum Cytology
  - 3.3.3. Non-Surgical Invasive Bronchoscopic Techniques: Standard Bronchoscopy, Ultrasound (EBUS-EUS), Electromagnetic Navigation and Others
  - 3.3.4. Transthoracic Non-Surgical Invasive Techniques: FNA, CNB, Thoracentesis and Pleural Biopsy
  - 3.3.5. The Role of the Interventional Pathologist in the Diagnosis of Advanced Stage Lung Cancer
  - 3.3.6. Invasive Staging in Lung Cancer
- 3.4. Functional and Staging Assessment
  - 3.4.1. Preoperative Study of Surgical Risk
  - 3.4.2. The Eighth Edition of TNM Classification of Lung Cancer

## Module 4. Basis of Treatment in Thoracic Oncology

- 4.1. Basis and Experience of Surgical Treatment
  - 4.1.1. Video-Assisted Thoracic Surgery. General Aspects
  - 4.1.2. Robotic Surgery in the Treatment of Lung Cancer and Other Thoracic Tumors
  - 4.1.3. Approach Routes to the Thorax
  - 4.1.4. Lobectomy in the Treatment of Thoracic Tumors. Indications and Technique
  - 4.1.5. Minor Resections in the Treatment of Thoracic Tumors
  - 4.1.6. Pneumonectomy
  - 4.1.7. Bronchoplastic Resections
  - 4.1.8. Angioplastic Resections
  - 4.1.9. Tracheal and Carinal Resection in Lung Cancer and Tracheal Tumors
  - 4.1.10. Lymphadenectomy

- 4.2. Basis and Experience of Surgical Treatment
  - 4.2.1. Evolution of Radiotherapy Treatment in Thoracic Tumors: from 3D-conformal radiotherapy to IMRT/VMAT
  - 4.2.2. Stereotactic Radiotherapy
  - 4.2.3. Pulmonary Brachytherapy
  - 4.2.4. Proton Therapy for Locally Advanced Disease
- 4.3. Clinical trials in the Era of Personalized Oncology
  - 4.3.1. Clinical Trials: Definitions, Examples, and Interpretation of the Literature
  - 4.3.2. How to Design a Clinical Trial in Lung Cancer
  - 4.3.3. *Real World Data*: Studies: Generating Knowledge

## Module 5. Localized and Locally Advanced Stage Non-Small Cell Lung Carcinoma

- 5.1. Early-stage NSCLC (I-II)
  - 5.1.1. Surgical Algorithm: Technique Selection
  - 5.1.2. Non-Surgical Algorithm: Stereotactic Radiotherapy (SRT)
  - 5.1.3. Current Best Practice for Adjuvant Radiotherapy
  - 5.1.4. Current Best Practice for Adjuvant Chemotherapy
- 5.2. NSCLC in Advanced Stage (IIIA-IIIB)
  - 5.2.1. Management of Stage IIIA NSCLC
  - 5.2.2. Management of Stage IIIB NSCLC
  - 5.2.3. Radical Radiotherapy in Stage III NSCLC
  - 5.2.4. Concurrent and Sequential Chemotherapy Options in Stage III NSCLC
  - 5.2.5. Toxicity of Radiochemotherapy
- 5.3. Tumor Pancoast
  - 5.3.1. Diagnosis and Evaluation of Upper Lobe Tumors
  - 5.3.2. Surgical Approach to Sulcus Tumors
  - 5.3.3. Multidisciplinary Management of Upper Lobe Tumors

## Module 6. Disseminated Stage Non-Small Cell Lung Carcinoma

- 6.1. NSCLC in Metastatic Stage. Targeted Therapy in the Treatment of NSCLC
  - 6.1.1. Differentiation between the Treatment of Squamous Carcinoma and Adenocarcinoma of the Lung
  - 6.1.2. Therapeutic Algorithm for NSCLC
- 6.2. Angiogenic and Targeted Therapy in the Treatment of NSCLC
  - 6.2.1. Angiogenic Therapies in the Management of NSCLC
  - 6.2.2. Targeted Therapy for EGFR-Positive Advanced Disease
  - 6.2.3. Rebiopsy Recommendations After Progression to EGFR-TKIs
  - 6.2.4. Management of EGFR-Resistant Disease
  - 6.2.5. EML4 / ALK, ROS-1: Therapeutic Implications
  - 6.2.6. Mechanisms of Resistance to ALK Inhibitors
  - 6.2.7. Potential and Progress in KRAS, HER2, BRAF, PI3K, MET, TRK and RET Selection
- 6.3. Immunotherapy and Lung Cancer
  - 6.3.1. PDL1 Are PDL1 Tests Interchangeable?
  - 6.3.2. Clinical Experience and Current Recommendations for Immunotherapy
  - 6.3.3. Immunotherapy in Patients with PD-L1-Negative NSCLC
  - 6.3.4. Immunotherapy Beyond Immune-Control Inhibitors
  - 6.3.5. The Role of Immunotherapy in Small Cell Lung Cancer and Other Thoracic Tumors
  - 6.3.6. Monitoring and Management of Immune-Related Adverse Events
- 6.4. Oligometastatic Disease
  - 6.4.1. Management of Oligometastatic Disease
  - 6.4.2. Role of Surgery in Oligometastatic Disease
  - 6.4.3. Stereotactic Radiotherapy in Extracranial Oligometastatic Disease
  - 6.4.4. Fractionated Stereotactic Radiotherapy in Oligometastatic Brain Tumors

### Module 7. Microcytic Carcinoma of the Lung and Neuroendocrine Tumors

- 7.1. Microcytic Carcinoma of the Lung
  - 7.1.1. Multidisciplinary Management of Localized Disease
  - 7.1.2. Role of Radiotherapy in Microcytic Lung Carcinoma of the Lung
  - 7.1.3. Management of Disseminated Disease
  - 7.1.4. Prophylactic Cranial Radiotherapy (PCR) in Microcytic Lung Carcinoma of the Lung
- 7.2. Neuroendocrine Tumors of the Lung
  - 7.2.1. Molecular biology approach to low- and intermediate-grade neuroendocrine lung tumors
  - 7.2.2. Clinical Management Algorithm for Bronchial Carcinoid Tumors
  - 7.2.3. Surgical Treatment for Pulmonary Neuroendocrine Tumors

### Module 8. Tumors of the Pleura, Mediastinum and Thoracic Wall

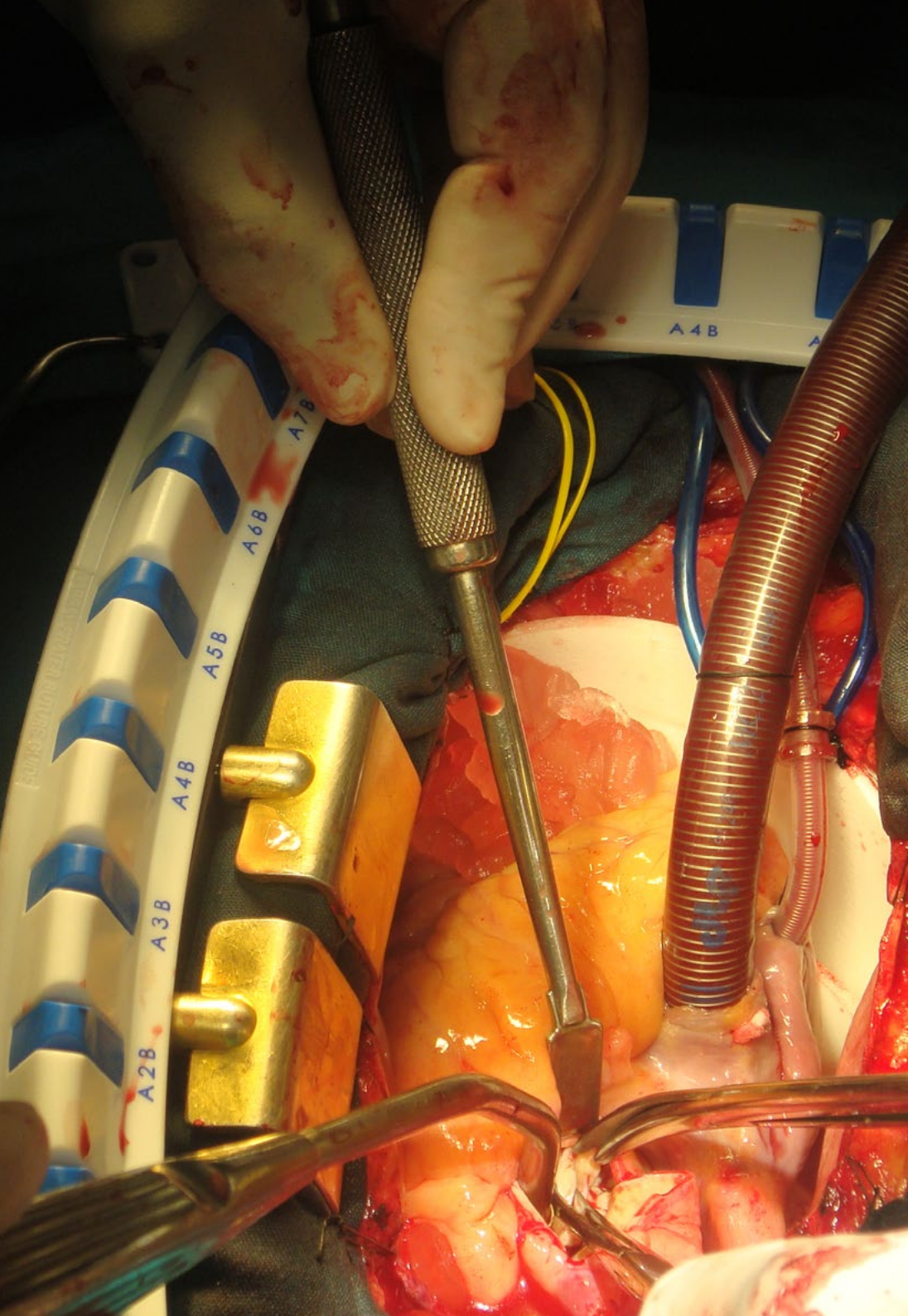
- 8.1. Malignant Mesothelioma
  - 8.1.1. Role of Surgery in Malignant Mesothelioma and Other Pleural Tumors
  - 8.1.2. Role of Radiotherapy in Malignant Mesothelioma
  - 8.1.3. Advanced Malignant Mesothelioma Treatment
- 8.2. Mediastinal Tumors
  - 8.2.1. Prognostic and Predictive Value of the Pathologic Classification of Thymomas
  - 8.2.2. Role of Surgery in the Treatment of Mediastinal Tumors
  - 8.2.3. Role of Radiotherapy in Thymoma
  - 8.2.4. Multidisciplinary Approach in Advanced Thymoma
  - 8.2.5. New Treatments for Malignant Thymoma
- 8.3. Thoracic Wall Tumors
  - 8.3.1. Clinic and Diagnosis of Primitive Thoracic Wall Tumors
  - 8.3.2. Surgical Treatment for Primitive Thoracic Wall Tumors

- 8.4. Treatment of Pulmonary Metastases from Other Tumors
  - 8.4.1. Indications for Surgical Treatment of Pulmonary Metastases from Other Tumors
  - 8.4.2. Surgical Technique in the Treatment of Pulmonary Metastases from Other Tumors
  - 8.4.3. Fractionated Stereotactic Radiotherapy of Pulmonary Metastases from Other Tumors
- 8.5. Relapses and Second Tumors
  - 8.5.1. Detection of Relapses and Second Tumors
  - 8.5.2. Treatment of Relapses and Second Tumors

### Module 9. Collaboration in the Management of Oncology Patients

- 9.1. Palliative Management
  - 9.1.1. Palliative Care: from Pre-Oncology Assessment to End-of-Life Care
  - 9.1.2. Informed Consent: Are We Really Informing Our Patients?
  - 9.1.3. Palliative Management of Symptoms in Lung Cancer
  - 9.1.4. Palliative Endoscopic Treatments
  - 9.1.5. Palliative Surgical Treatment
  - 9.1.6. Why do Lung Cancer Present to the Emergency Department and How Can Outcomes Be Improved?
- 9.2. Emergencies and Comorbidities
  - 9.2.1. Palliative Radiotherapy in Brain Metastases, Spinal Cord Compression, Vena Cava Syndrome and Hemoptysis
  - 9.2.2. Acute Management of the Patient with a Thoracic Tumor
  - 9.2.3. Management of Respiratory Comorbidities
  - 9.2.4. Management of Infectious Comorbidities
  - 9.2.5. Management of Cardiovascular Comorbidities
  - 9.2.6. Neurologic Comorbidity Management
  - 9.2.7. Management of Endocrinological Comorbidities
  - 9.2.8. Management of Nutritional Comorbidities
  - 9.2.9. Lung Cancer in the Elderly
  - 9.2.10. International Development Cooperation Outpatient Care of Patients with Thoracic Oncological Pathology
  - 9.2.11. Prescription of Physical Exercise in the Oncologic Patient. Prehabilitation





## Module 10. From Clinical Management to *Networking*

- 10.1. Clinical Management in a Thoracic Tumor Unit
  - 10.1.1. Basis of Clinical Management
  - 10.1.2. Members and Functions of a Multidisciplinary Team
  - 10.1.3. Decision-Making in a Multidisciplinary Committee
- 10.2. Improving *Networking*
  - 10.2.1. Technological Platforms for Patient Monitoring and Control
  - 10.2.2. The Collaborative Online World
  - 10.2.3. Decision support Systems in Oncology Based on Artificial Intelligence
  - 10.2.4. Use of Big Data in Thoracic Oncology

“

*You will see in this degree how Networking can improve diagnostic and therapeutic decisions in Oncology”*

07

# Clinical Internship

This Hybrid Professional Master's Degree includes a practical stay in a hospital center, where students will be able to join a prestigious team in the field of Thoracic Oncology. A scenario with which you will complete an academic journey that will lead you to increase your skills in this area





“

*You have 120 hours of professional practice in a healthcare space unmatched in Thoracic Oncology”*

This university degree in Thoracic Oncology includes a practical clinical stay in a center of maximum relevance in this specialty. Thus, students who are immersed in this program will be for 3 weeks, from Monday to Friday with 8 consecutive hours of practical sessions with a specialist. This stay will allow them to see real patients alongside a team of reference professionals, applying the most innovative diagnostic procedures and planning the latest generation of therapy for each pathology

In this proposal, the professional will carry out from the first day practical activities aimed at developing and perfecting their skills in the clinical care of oncology patients. To do this, students will apply all the knowledge addressed in the theoretical framework and will integrate into their daily practice, the techniques and methodologies used by the first level hospital center where the stay is carried out

TECH offers, without a doubt, an opportunity to learn by working in an advanced environment, where students will find the practical upgrade they were looking for in Thoracic Oncology, and all this, always with professionals who keep up to date their knowledge in this field for the health of patients and scientific research

The practical part will be performed with the active participation of the student

performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for the praxis of clinical oncology (learning to be and learning to relate)

The procedures described below will be the basis of the practical part of the training, and their realization is subject to both the suitability of the patients and the availability of the center and its workload, the proposed activities being the following:



*A clinical stay in an innovative healthcare environment will be the best bet for upgrading your practical knowledge in Thoracic Oncology"*



Module	Practical Activity
<b>Diagnostic and Staging Techniques</b>	Assessing the performance and usefulness of each of the tests used in the diagnosis of thoracic tumors
	Perform treatment control and follow-up in thoracic tumors
	Collaborate in the performance of diagnostic tests available for the assessment of cardiopulmonary reserve
	Identify patients at high risk for developing perioperative complications and significant long-term functional limitation after resection surgery
<b>Treatment Thoracic Oncology</b>	Evaluate the appropriateness of the use of surgical techniques, including current minimally invasive surgery that allow complex interventions to be performed with small incisions
	Collaborate in the study of the design of new personalized clinical trials
	Interpret the impact of mutations on drug selection
	Apply an appropriate treatment plan for a patient with a thoracic tumor at each stage
<b>Fertility Preservation: GAMET and embryo</b>	Evaluate the practical application of advances in reproductive epigenetics, as well as male and female infertility studies
	Understand the use of advanced technological equipment for cryopreservation of both semen and ovarian cortex
	Study the use of conservative surgeries and ovarian transposition in cases of oncologic gynecology
	Address the organization and clinical management of a biobank, as well as the safety factors to be taken into account
	Review the influence of ethical and legal aspects in gamete and embryo preservation
<b>Handling of the oncology patient</b>	Evaluating how best to adapt patient care to the changing landscape of cancer
	Appropriately convey bad news to the oncology patient
	Apply the latest therapies in the major comorbidities of patients with thoracic tumors
	Monitor the patient to avoid therapeutic interactions or overtreatment
<b>Use of new technologies applied to Thoracic Oncology</b>	Use of the latest diagnostic scanning devices foreseen for oncology patients
	Use existing databases for consultation of complex clinical cases
	Access to the various existing online platforms to help with patient follow-up and consult with other specialized professionals
	Collaborate in cytohistological studies applying non-invasive techniques and methods

## Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process

For this purpose, this educational entity undertakes to take out a liability insurance policy to cover any eventuality that may arise during the stay at the internship center

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way the professionals will not have to worry in case they have to face an unexpected situation and will be covered until the end of the practical program at the center



## General Conditions of the Internship Program

The general terms and conditions of the internship program agreement shall be as follows:

**1. TUTOR:** During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements

**3. ABSENCE:** If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor

**4. CERTIFICATION:** Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center

**5. EMPLOYMENT RELATIONSHIP:** the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed

**7. DOES NOT INCLUDE:** The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case

# 08

## Where Can I Do the Clinical Internship?

TECH has made a rigorous selection of all the hospitals available for students to successfully develop a first class practical stay. Under quality criteria, this institution provides graduates with clinical spaces where they will find the latest devices for the diagnosis of oncological diseases and the application of the latest treatments







“

*Complete your medical upgrade in the hospital centers selected by TECH based on rigorous criteria of quality and professionalism”*



The student will be able to complete the practical part of this Hybrid Master's Degree at the following centers:



Medicine

### Hospital HM Modelo

Country	City
Spain	La Coruña

Management: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Rosaleda

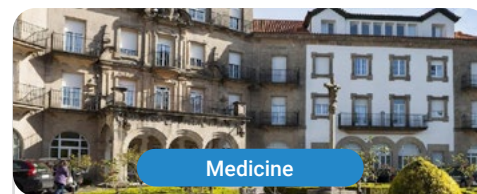
Country	City
Spain	La Coruña

Management: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

### Hospital HM La Esperanza

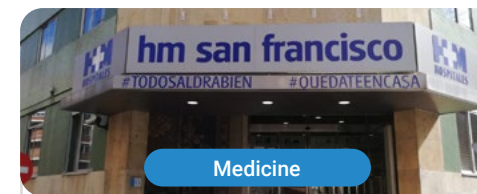
Country	City
Spain	La Coruña

Management: Av. das Burgas, 2, 15705, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Oncology Nursing
- Clinical Ophthalmology



Medicine

### Hospital HM San Francisco

Country	City
Spain	León

Management: C. Marqueses de San Isidro, 11, 24004 León

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Upgrade in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Management: Avinguda de Valcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Madrid

Country	City
Spain	Madrid

Management: Pl. del Conde del Valle de Súchil, 16, 28015 Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine

### Hospital HM Montepíncipe

Country	City
Spain	Madrid

Management: Av. de Montepíncipe, 25, 28660 Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Aesthetic Medicine



### Hospital HM Torrelodones

Country: Spain  
City: Madrid

Management: Av. Castillo Olivares, s/n, 28250 Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

- Related internship programs:**
- Anaesthesiology and Resuscitation
  - Palliative Care



### Hospital HM Sanchinarro

Country: Spain  
City: Madrid

Management: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

- Related internship programs:**
- Anaesthesiology and Resuscitation
  - Palliative Care



### Hospital HM Nuevo Belén

Country: Spain  
City: Madrid

Management: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

- Related internship programs:**
- General and Digestive System Surgery
  - Clinical Nutrition in Medicine



Medicine

### Hospital HM Puerta del Sur

Country: Spain  
City: Madrid

Management: Av. Carlos V, 70, 28938 Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine

### Hospital HM Vallés

Country: Spain  
City: Madrid

Management: Calle Santiago, 14, 28801 Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology



Medicine

### HM CIOCC - Centro Integral Oncológico Clara Campal

Country: Spain  
City: Madrid

Management: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology





Medicine

### HM CIOCC Barcelona

Country	City
Spain	Barcelona

Management: Avenida de Vallcarca, 151,  
08023, Barcelona

Network of private clinics, hospitals and specialized centers  
distributed  
Throughout Spain

**Related internship programs:**

Advances in Hematology and Hemotherapy  
Oncology Nursing



Medicine

### HM CIOCC Galicia

Country	City
Spain	La Coruña

Management: Avenida das Burgas, 2, 15705,  
Santiago de Compostela

Network of private clinics, hospitals and specialized centers  
distributed throughout Spain

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology

09

# 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



# 10 Certificate

The Hybrid Professional Master's Degree in Thoracic Oncology guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Technological University



“

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

This **Hybrid Professional Master's Degree in Thoracic Oncology** contains the most complete and up-to-date program on the professional and educational field

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery\*

In addition to the diploma, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information

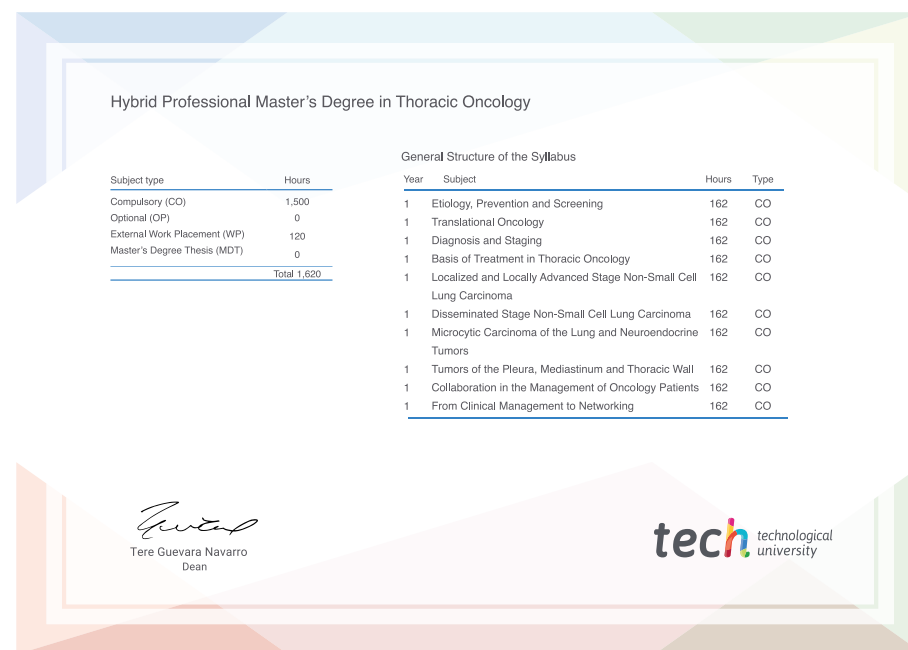
Title: **Hybrid Professional Master's Degree in Thoracic Oncology**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h**



\*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





## Hybrid Professional Master's Degree Thoracic Oncology

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h

# Hybrid Professional Master's Degree

## Thoracic Oncology

