Postgraduate Certificate

Clinical Management and Big Data in Thoracic Oncology

tech global university

tech global university

Postgraduate Certificate

Clinical Management and Big Data in Thoracic Oncology

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Global University**
- Accreditation: **3 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/medicine/postgraduate-certificate/clinical-management-big-data-thoracic-oncology

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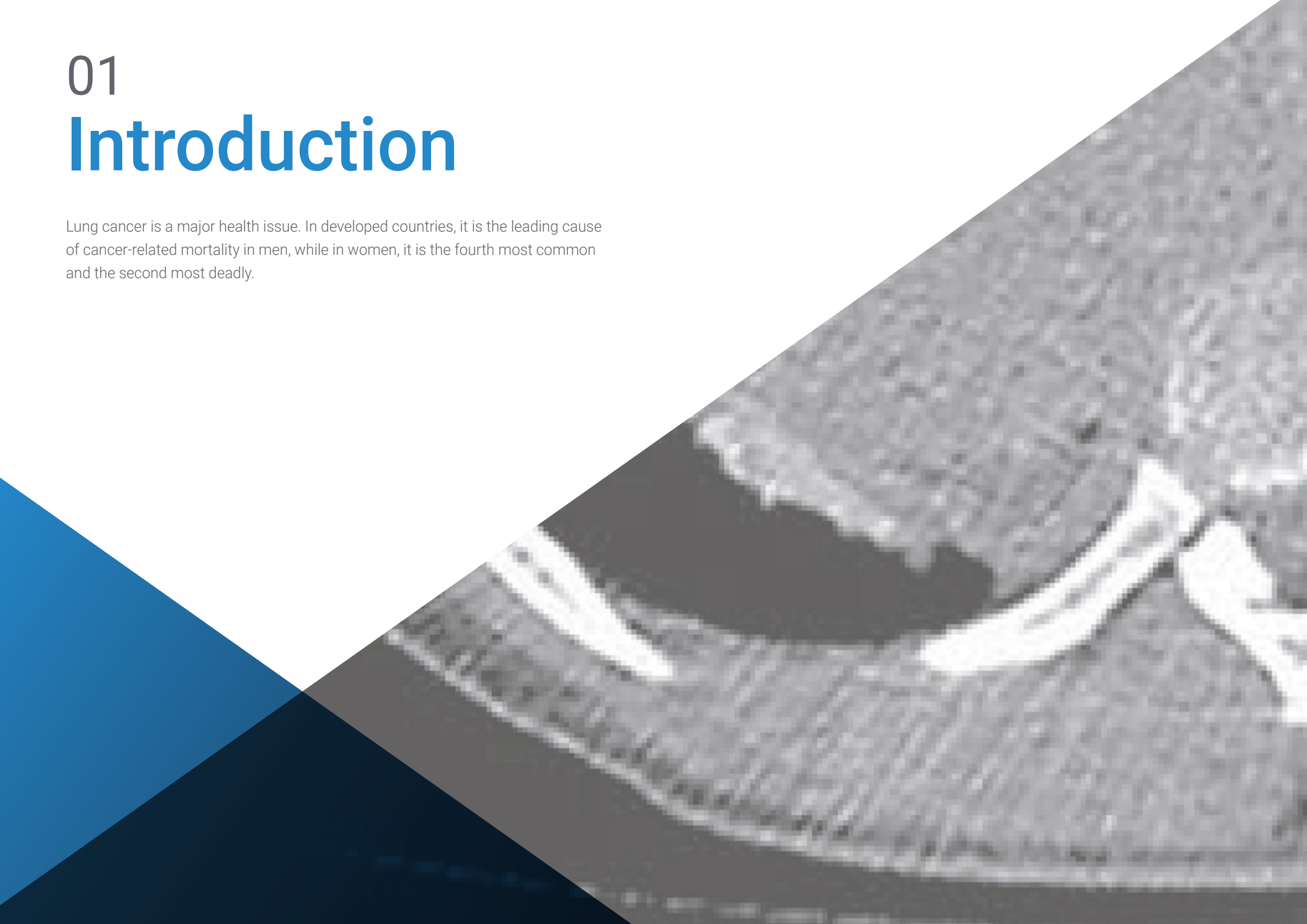
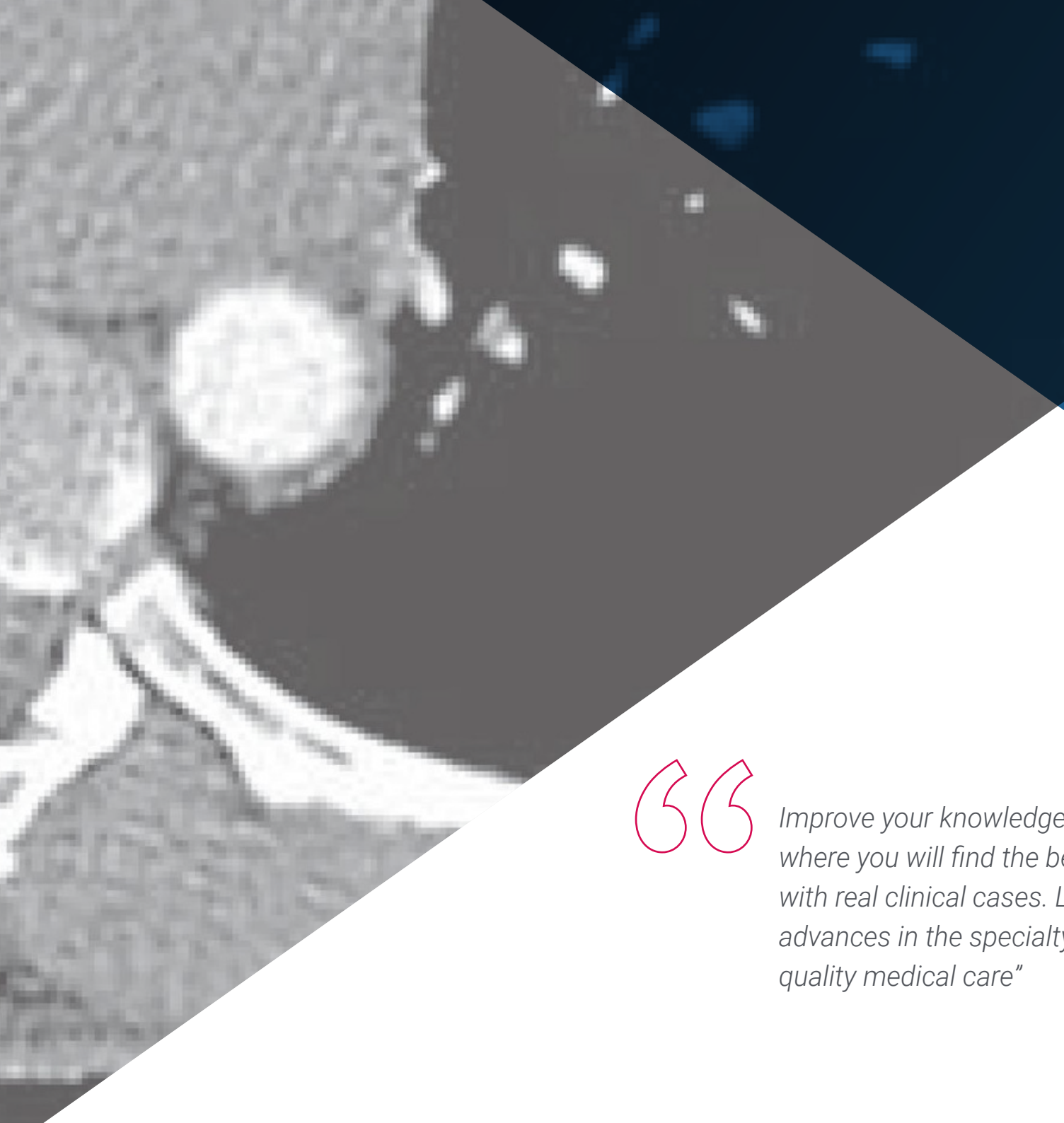
01

Introduction

Lung cancer is a major health issue. In developed countries, it is the leading cause of cancer-related mortality in men, while in women, it is the fourth most common and the second most deadly.





Improve your knowledge through this program, where you will find the best teaching material with real clinical cases. Learn about the latest advances in the specialty to be able to provide quality medical care"

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

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

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

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

This **Postgraduate Certificate in Clinical Management and Big Data in Thoracic Oncology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of practical cases presented by experts in thoracic oncology. The graphic, schematic, and practical contents with which they are created, provide scientific and healthcare training on the medical disciplines that are essential to professional practice
- New diagnostic and therapeutic developments on the performance of Thoracic Oncology
- Algorithm-based interactive learning system for decision-making in the presented clinical situations
- With a special emphasis on evidence-based medicine and research methodologies in clinical management and big data in thoracic oncology
- All this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

Update your knowledge through the Postgraduate Certificate in Clinical Management and Big Data in Thoracic Oncology in a practical and personalized way tailored to your needs”

This Postgraduate Certificate may be the best investment you can make in selecting a program for updating your skills for two reasons: besides updating your knowledge in clinical management and Big Data in thoracic oncology, you will receive a certification issued by TECH Global University"

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

Thanks to its multimedia content, developed with the latest educational technology, professionals will benefit from situated and contextual learning—simulated environments designed to provide immersive learning experiences that prepare them for real-life situations.

The design of this program is based on Problem-Based Learning, by means of which the physician will have to try to solve the different professional practice situations that will arise throughout the Postgraduate Certificate. For this reason, they will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of thoracic oncology who have extensive teaching experience.

The Postgraduate Certificate includes real clinical cases and exercises to bring the course development closer to the physician's clinical practice.

Seize the opportunity to update your knowledge in clinical management and Big Data in thoracic oncology and improve the care you provide to your patients.

02

Objectives

The main objective of the program is to develop theoretical-practical learning so that the physician can practically and rigorously master clinical management and Big Data in thoracic oncology.

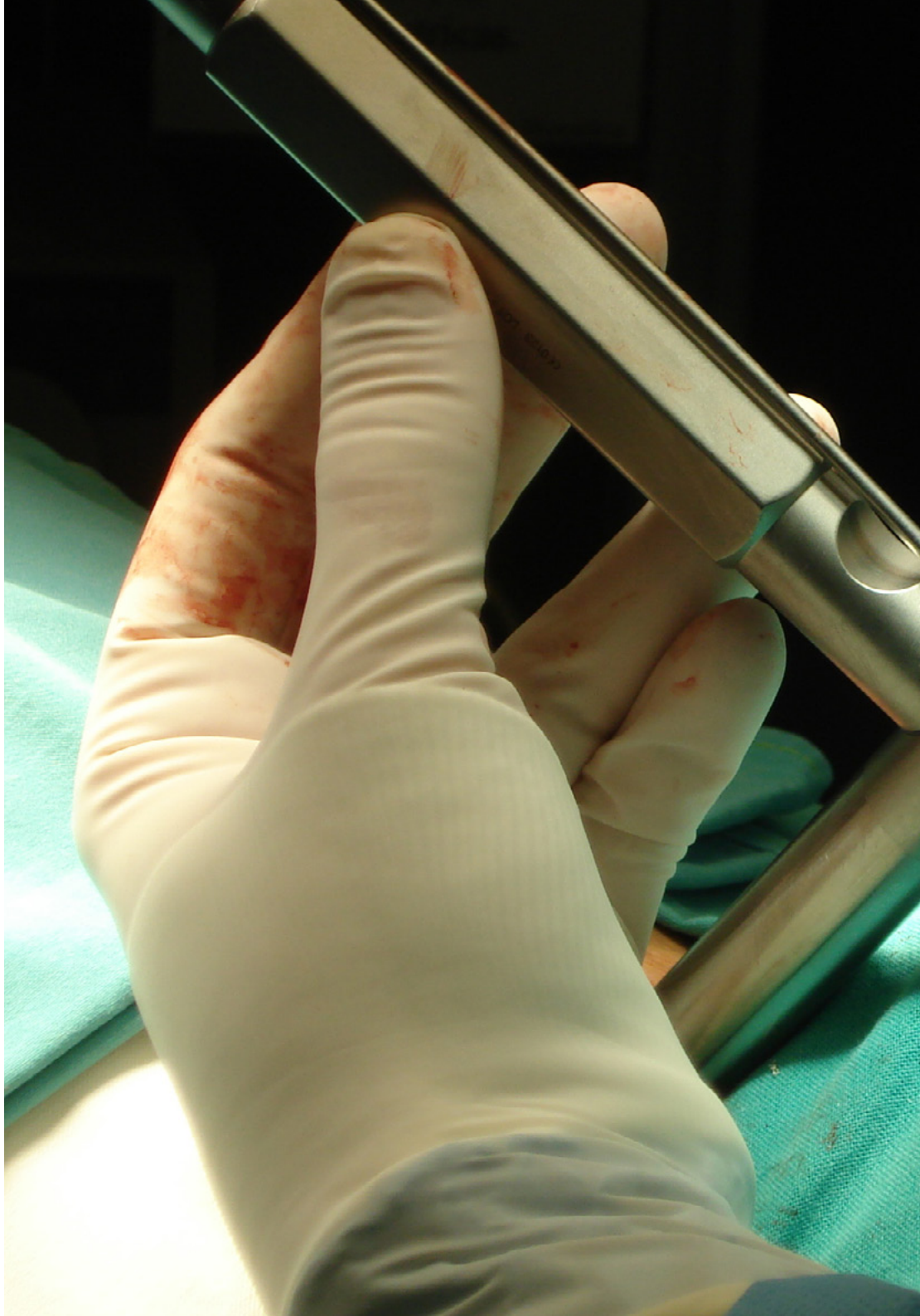
This continuing education program will instill a sense of confidence in the practice of medical care, helping you to grow both personally and professionally"

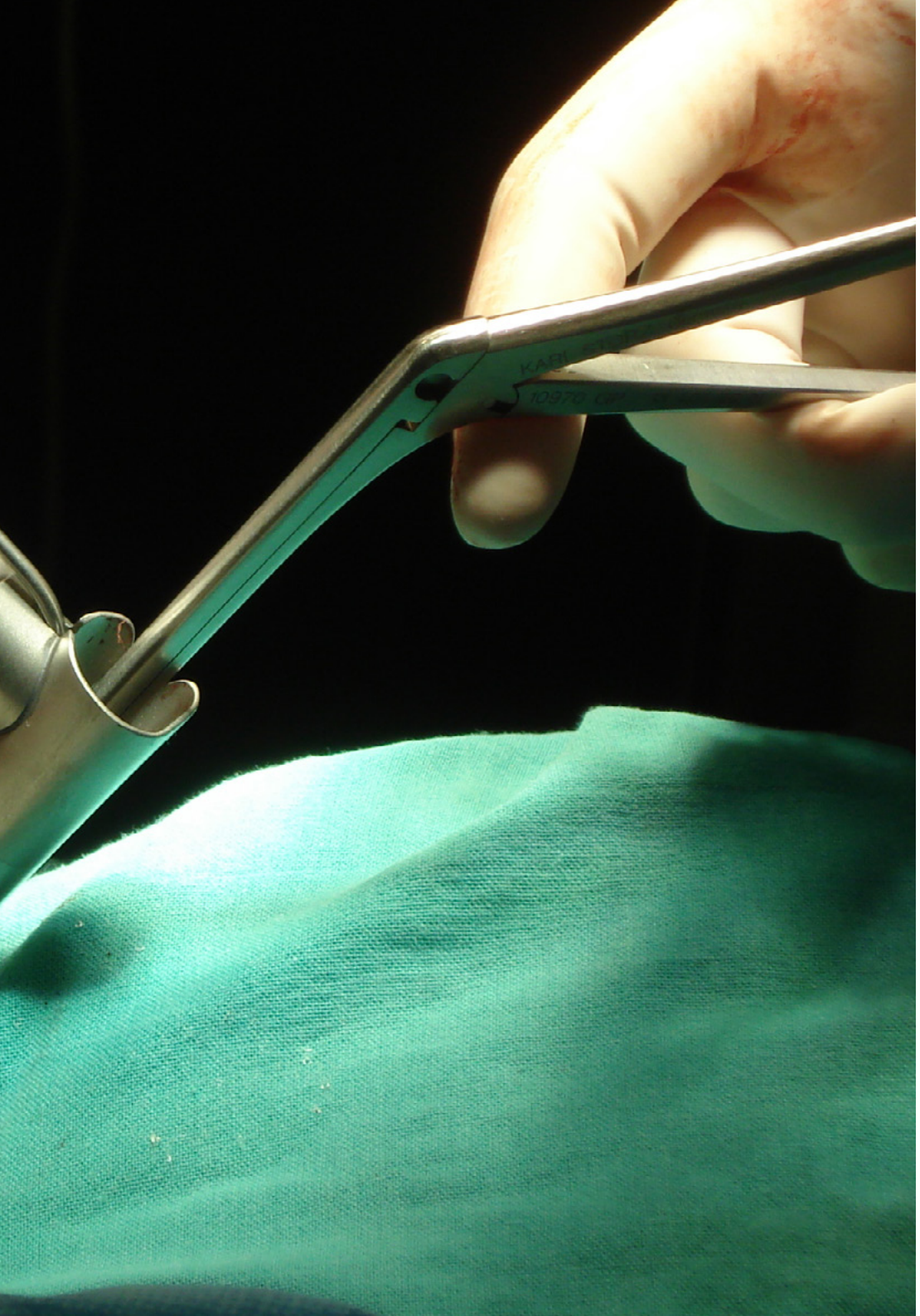
General Objective

- Create a global and updated vision of thoracic oncology and all its aspects, enabling the student to acquire useful knowledge while sparking interest in expanding their expertise and discovering its application in their daily practice

Specific Objectives

- Explain the different online platforms available to assist with patient follow-up and the creation of a professional network
- Learn the fundamentals of decision support systems that streamline decision-making in complex contexts
- Describe the advantages of Big Data for detecting relationships between variables that can enhance knowledge and serve multiple purposes





Make the most of the opportunity to get up-to-date with the latest developments in clinical management and Big Data in thoracic oncology"

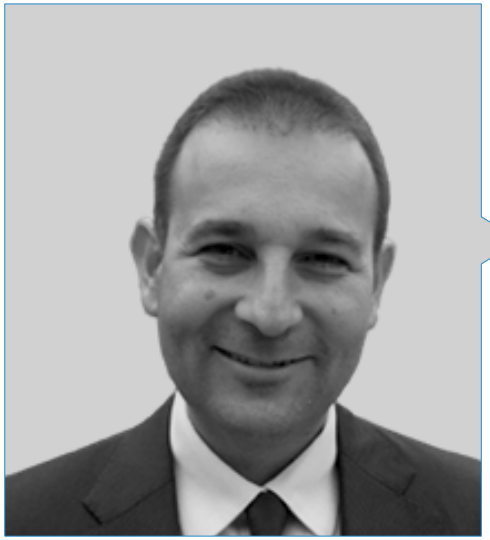
03

Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of thoracic oncology, and who bring to this training the experience of their work. Additionally, renowned specialists—members of prestigious national and international scientific societies—have participated in the design and development of the program.

Learn from leading professionals the latest advancements in clinical management and Big Data in thoracic oncology"

Management



Oruezábal Moreno, Mauro Javier

- Doctor of Medicine. Complutense University of Madrid. Madrid
- Head of the Pediatric Cardiology at La Paz University Hospital
- Head of the Pediatric Cardiology at Ruber International Hospital
- Master's Degree in Clinical and Health Psychology European Institution of Health and Social Wellbeing
- Executive Master's Degree in Healthcare Organization Management. ESADE
- Chairman of the Permanent Management Committee of the Children's Hospital La Paz University Hospital
- Member of the Platform of Innovation La Paz University Hospital

Dr. Villar Álvarez, Felipe

- Associate Physician of Pulmonology, Jiménez Díaz Foundation University Hospital, Madrid (2008-present)
- Director of the Editorial Committee of the Respiratory Pathology Journal of Neumomadrid
- Researcher of the CIBER network of Respiratory Diseases (CIBERES) belonging to Group 04
- Member of the Madrid Society of Pulmonology and Thoracic Surgery (Neumomadrid), the Spanish Society of Pulmonology and Thoracic Surgery (SEPAR(and the European Respiratory Society (ERS)
- Private Master's Degree in Clinical Unit Management. Murcia University. (2013-2015)
- Doctor of Medicine from the Complutense University Madrid (2011). Outstanding Cum Laude Qualification. Best Doctoral Thesis Award in Pulmonology and Thoracic Surgery 2010-2011 by the Madrid Society of Pulmonology and Thoracic Surgery (Neumomadrid)
- Specialist (MIR) in Pulmonology. Gregorio Marañón General University Hospital, Madrid (2008)
- Degree in Medicine from the University of Salamanca (2001)
- Secretary of the Research Project (IIP) of Thoracic Oncology of the Spanish Society of Pneumology and Thoracic Surgery (SEPAR)

Management

Dr. Muguruza, Ignacio

- Head of Department, Quirónsalud Public Hospitals, Madrid (2011-present)
- Surgeon certified in robotic surgery
- Associate Professor of Medicine Rey Juan Carlos University of Madrid
- Director Integrated Research Project (IIP) of Thoracic Oncology of the Spanish Society of Pulmonology and Thoracic Surgery (SEPAR) (2017-present)
- Secretary Integrated Research Project (IIP) Thoracic Oncology SEPAR (2011-present)
- Secretary Thoracic Oncology Area National Society of Pulmonology and Thoracic Surgery (SEPAR) (2009-2013)
- Deputy Director of the Editorial Committee of the Respiratory Pathology Journal of Neumomadrid
- Member of the National Commission of Thoracic Surgery, Ministry of Health (2006-2012)
- Pneumomadrid Oncology Area Coordinator (2000-2004)
- PhD in Medicine from the University of Alcalá de Henares. Outstanding Cum Laude Qualification (2003)
- Lung transplant program Ramón y Cajal Hospital (1998-2005)
- Associate Physician in Thoracic Surgery Ramón y Cajal University Hospital (1999-2011)
- Specialist (MIR) in Thoracic Surgery, Ramón y Cajal University Hospital, Madrid (1998)
- Bachelor's Degree in Medicine and Surgery, Autonomous University of Madrid (1992)

Faculty

Cabrer González, Miguel Luis
- Head of IT
- Son Espases University Hospital Palma de Mallorca

Carrillo, Esteban
- Antares Consulting

García Salmones, Mercedes
- Pulmonology Service
- Rey Juan Carlos University Hospital of Madrid

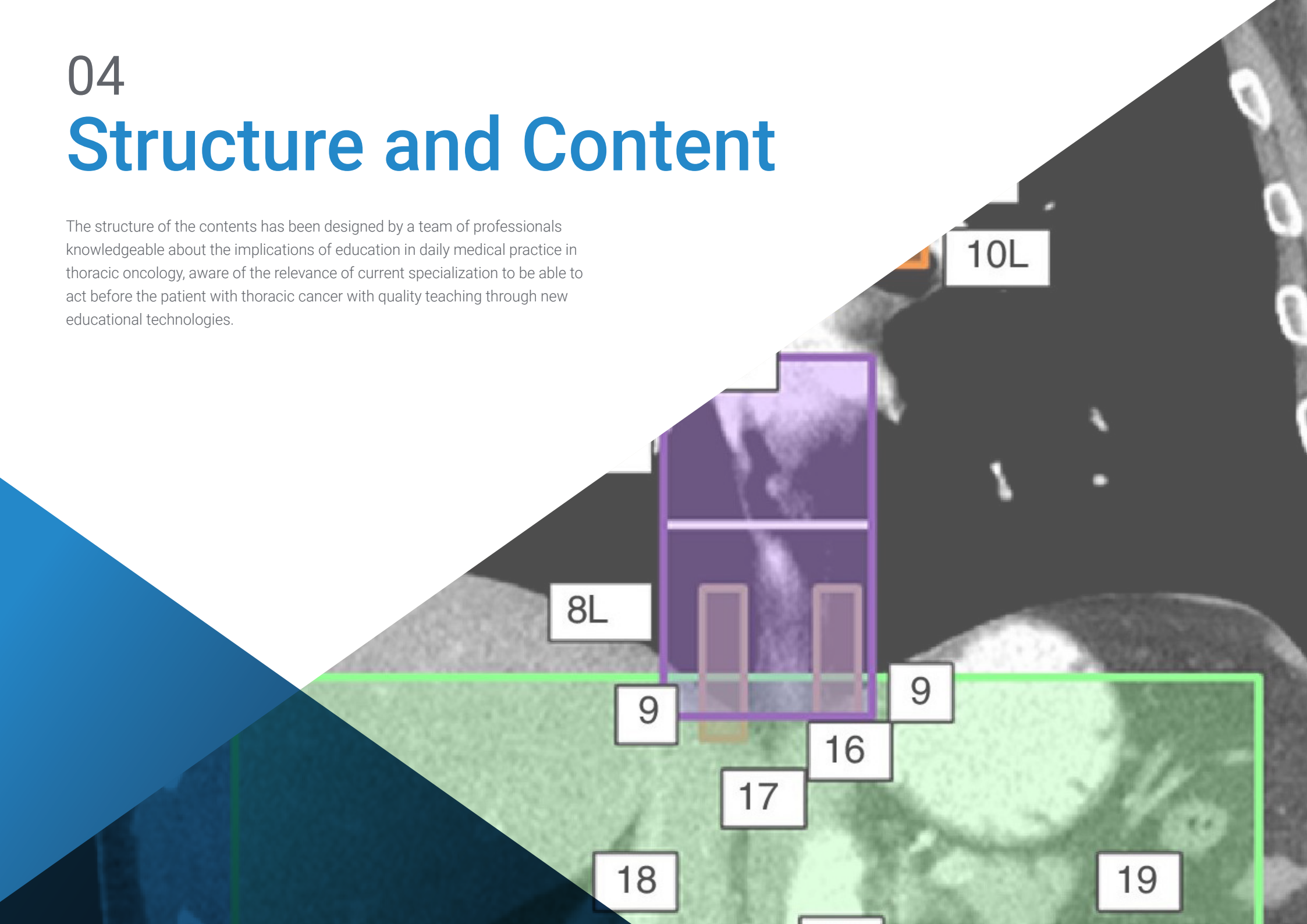
Olivas Varela, José Ángel
- Deputy Director, Department of Technologies and Disability Systems
- College of Computer Science
- University of Castilla La Mancha
- Perdices Ramirez, Javier
- eHealth Director at Artica Telemedicina - CMC Group

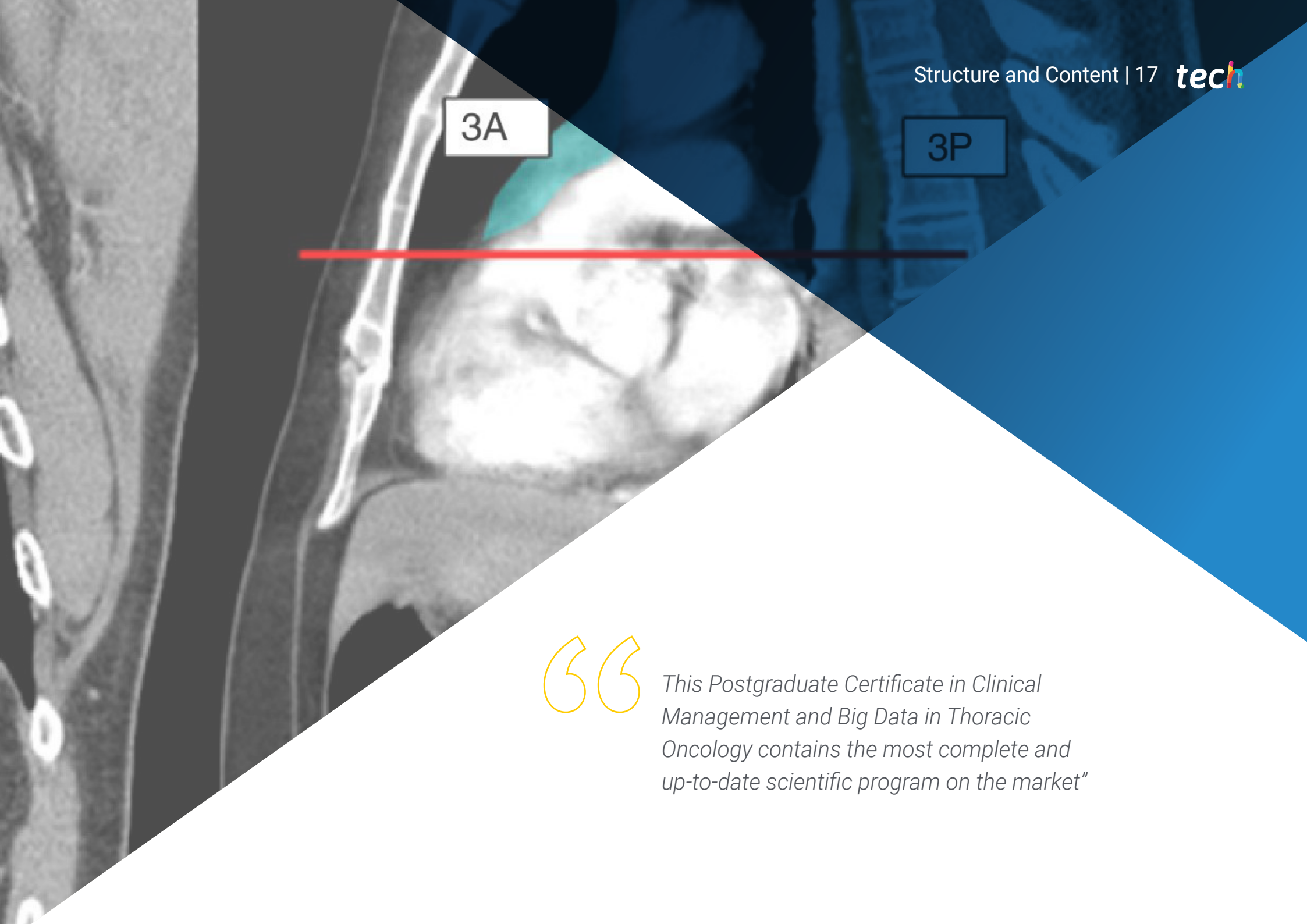
Segrelles Calvo, Gonzalo
- Pulmonology Service
- Rey Juan Carlos University Hospital of Madrid

04

Structure and Content

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



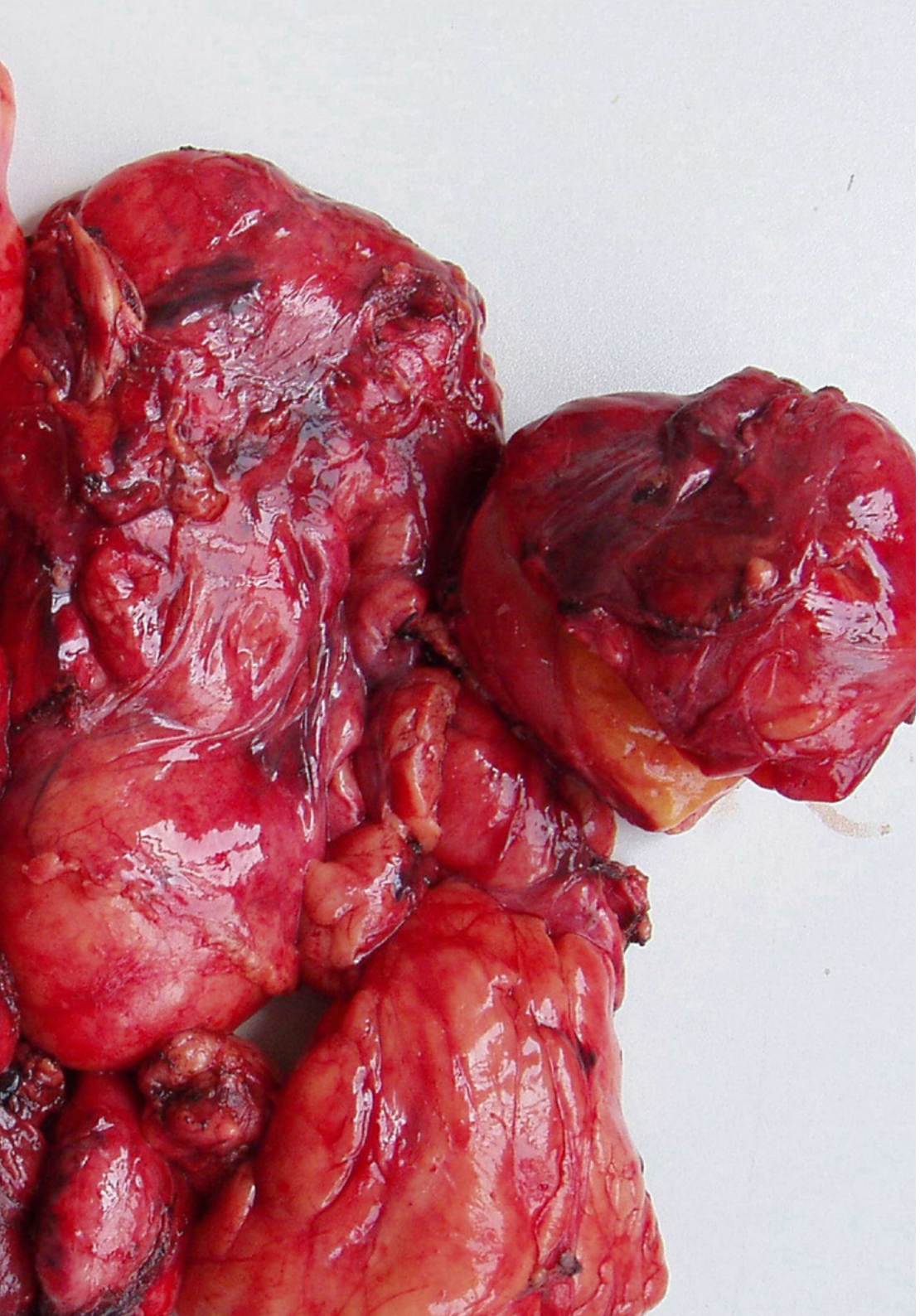


This Postgraduate Certificate in Clinical Management and Big Data in Thoracic Oncology contains the most complete and up-to-date scientific program on the market"

Module 1. From Clinical Management to Networking

1.1. Clinical Management in a Thoracic Tumor Unit
- 1.1.1. Basis of Clinical Management
- 1.1.2. Members and Functions of a Multidisciplinary Team
- 1.1.3. Decision-Making in a Multidisciplinary Committee

1.2. Improving Networking
- 1.2.1. Technological Platforms for Patient Follow-Up and Monitoring
- 1.2.2. The Collaborative Online World
- 1.2.3. Decision Support Systems in Oncology Based on Artificial Intelligence
- 1.2.4. Use of Big Data in Thoracic Oncology



A unique, essential and decisive learning experience to boost your professional development"

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

"At TECH you will NOT have live classes (which you might not be able to attend)"

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

> *TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"*

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

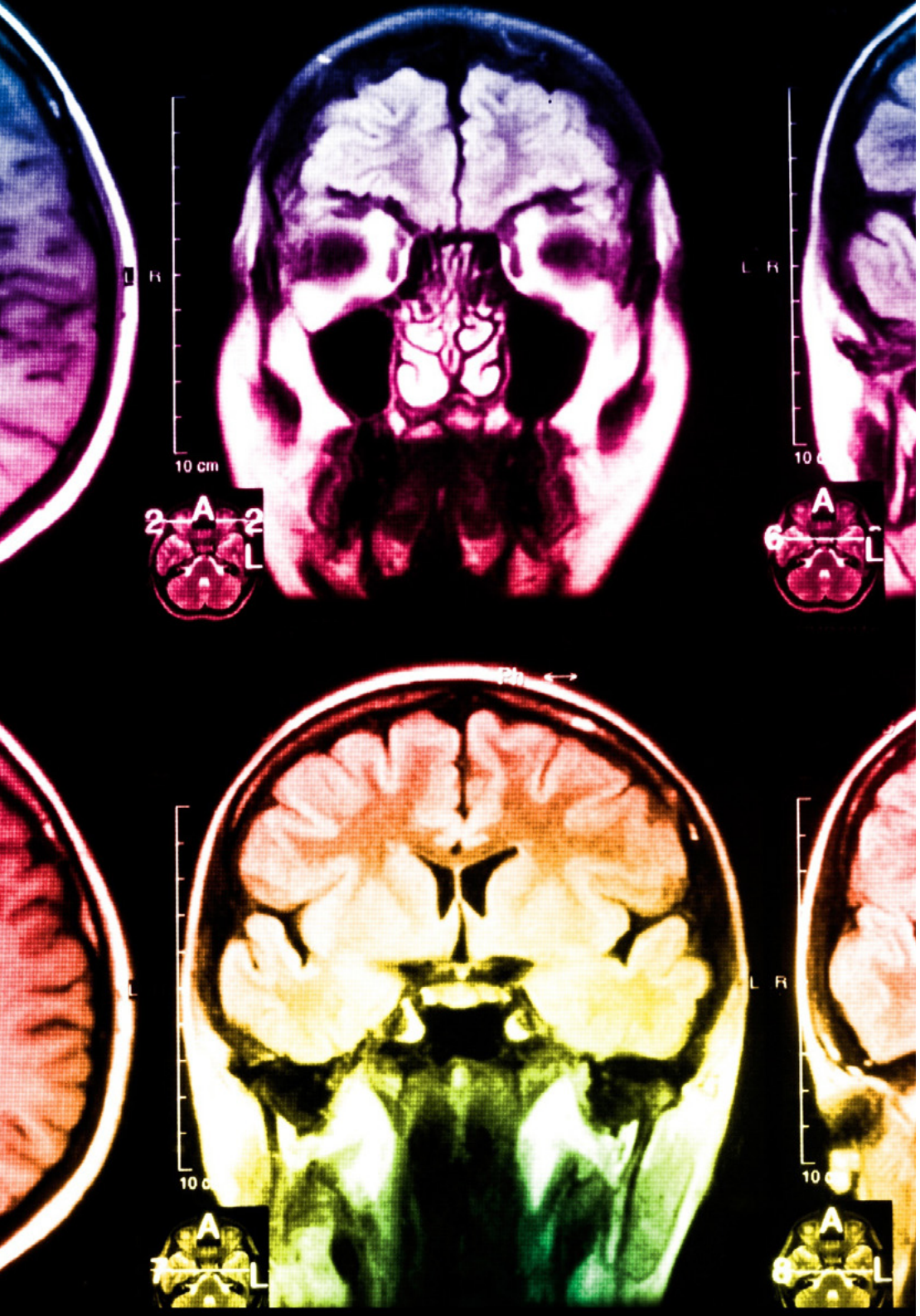
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

"The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

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 assess 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.



The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

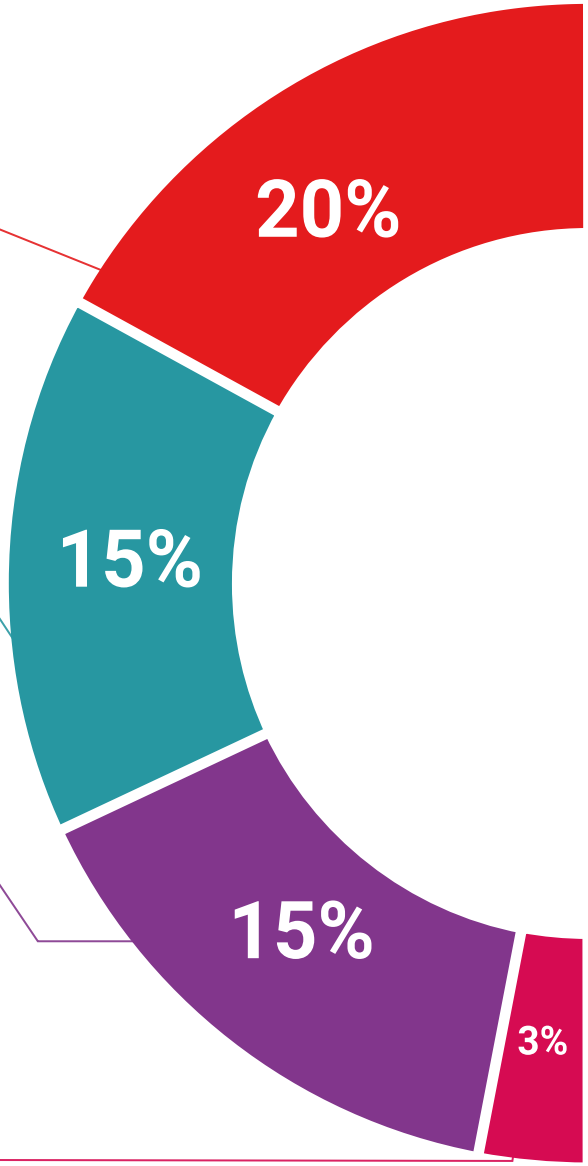
Interactive Summaries

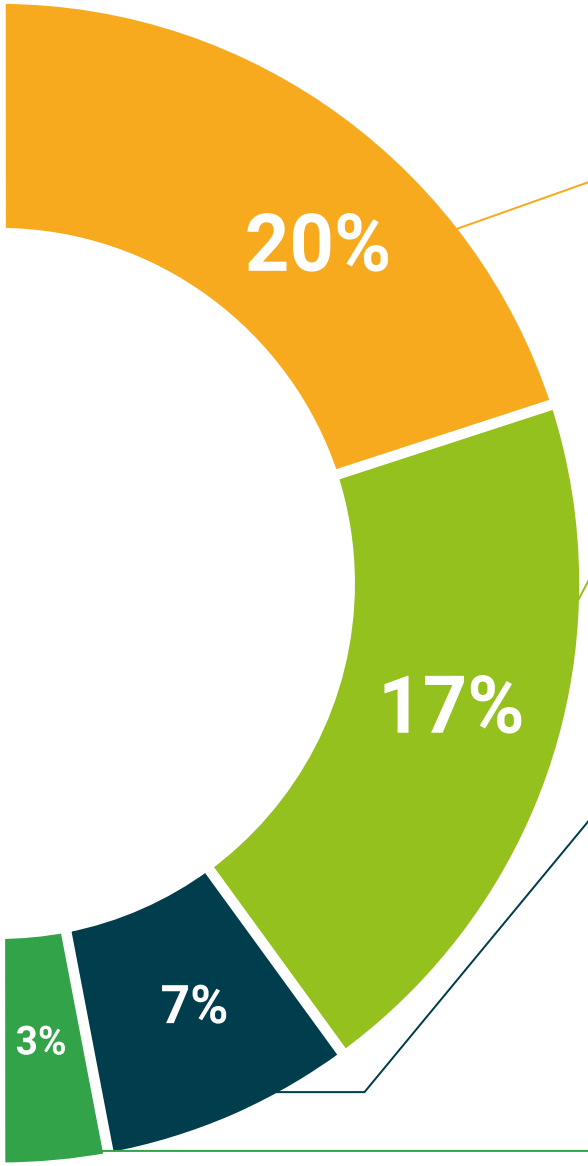
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.

Quick Action Guides

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

06

Certificate

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

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

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Clinical Management and Big Data in Thoracic Oncology** endorsed by TECH Global University, the world's largest online university.

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

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

Title: **Postgraduate Certificate in Clinical Management and Big Data in Thoracic Oncology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **3 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Clinical Management and Big Data in Thoracic Oncology

This is a private qualification of 90 hours of duration equivalent to 3 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

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

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