

Postgraduate Certificate

VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery





Postgraduate Certificate

VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/vats-preoperative-planning-care-minimally-invasive-thoracic-surgery

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01

Introduction to the Program

Minimally Invasive Thoracic Surgery, particularly Video-Assisted Thoracoscopy (VATS), has revolutionized the management of various diseases by reducing surgical trauma, postoperative pain and recovery time. According to the European Society of Thoracic Surgery (ESTS), the adoption of VATS has increased significantly, accounting for up to 50% of lobectomies performed. Taking into account the advances and updates in this field, TECH has developed this comprehensive Postgraduate Certificate, which will address the essential elements of preoperative planning and specific care in post-surgical management. Using a 100% online methodology, specialists will receive an up-to-date approach based on the latest international guidelines and scientific evidence.



“

You will master preoperative planning and essential care in Minimally Invasive Thoracic Surgery, through an up-to-date program guided by experts. Join TECH and make a difference in your medical practice!”

Preoperative planning and care in Minimally Invasive Thoracic Surgery are essential to ensure safe and successful procedures. In this sense, the VATS (Video-Assisted Thoracic Surgery) technique has established itself as a fundamental tool in the management of thoracic diseases, allowing for precise intervention with fewer complications for patients.

Given this reality, TECH has presented this program on VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery, designed to update professionals on the most innovative aspects of this field. Through comprehensive teaching content and a holistic approach, topics such as preoperative patient assessment, advanced anaesthesia techniques in thoracic surgery and postoperative management focused on accelerated recovery will be addressed. In this way, the program will provide a comprehensive overview of the planning and care involved in this type of procedure. In short, this qualification represents a unique opportunity for graduates to broaden their skills and improve their job profile.

By mastering the planning and care techniques associated with VATS, they will be in a position to lead multidisciplinary teams in state-of-the-art operating theatres. They will also acquire skills that will position them as leaders in a constantly evolving field, increasing their competitiveness in a globalized labor market. They will also acquire skills that will position them as leaders in a constantly evolving field, increasing their competitiveness in a globalized labor market.

With its 100% online modality, TECH will facilitate access to dynamic and flexible education, allowing students to balance their professional development with their daily responsibilities and access the materials at any time, from any electronic device with an Internet connection. In turn, this will be complemented by the Relearning methodology, based on the reiteration of key concepts, ensuring an effective educational experience adapted to the demands of the current context.

This **Postgraduate Certificate in VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ The development of case studies presented by experts with a deep knowledge of VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



Your specialization in VATS Preoperative Planning is just a click away! You will have access to an online program that will adapt to your pace. Enroll today and lead the change in modern Medicine!"

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Learn about a syllabus designed to perfect your skills in VATS Preoperative Planning and the most advanced care. You will enjoy up-to-date content to take your Clinical Practice to the next level!”

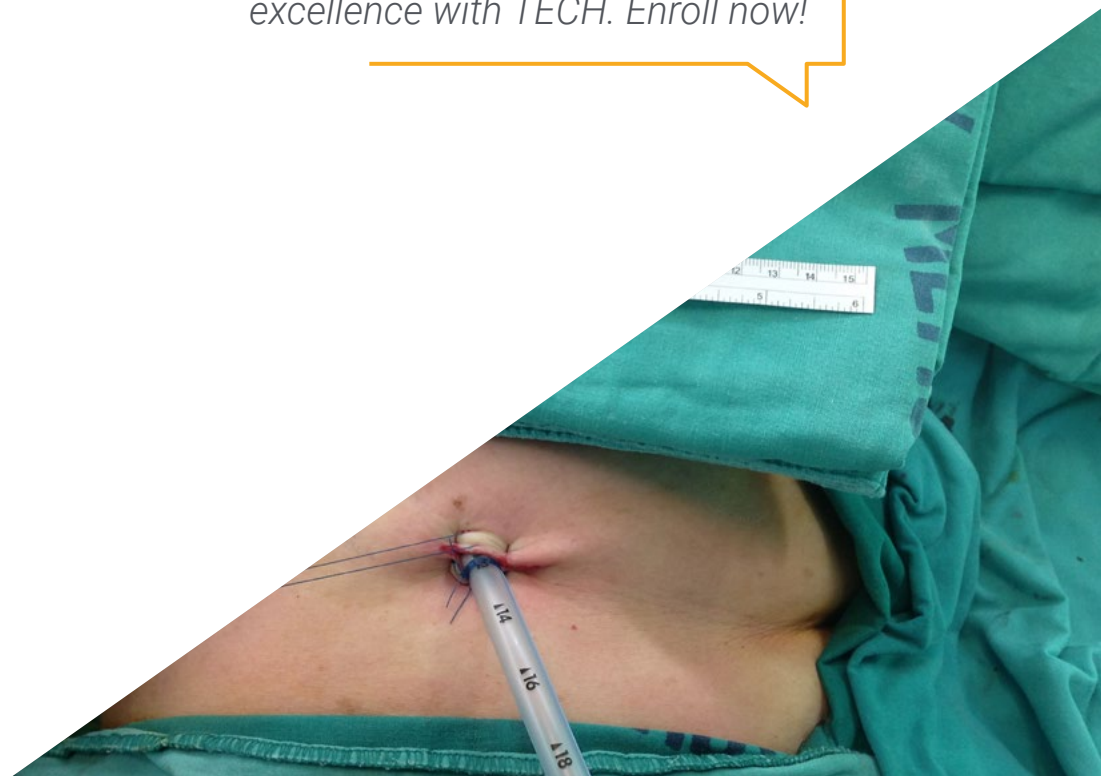
The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to prepare for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Through a practical, dynamic and evidence-based approach, you will hone your skills in thoracic surgery, preoperative planning and essential care. A one-of-a-kind program!

You will train with the best! This program is managed by experts who will share their knowledge and clinical experience with you. Take the step towards excellence with TECH. Enroll now!



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.



“

Study at the world's largest online university and guarantee your professional success. The future starts at TECH”

The world's best online university according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the world's best online university". This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method aimed at educating the professionals of the future"

A world-class teaching staff

TECH's teaching staff is made up of more than 6,000 professors with the highest international recognition. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest online educational catalog, one hundred percent online and covering the vast majority of areas of knowledge. We offer a large selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university degrees, in eleven different languages, make us the largest educational largest in the world.



The most complete study plans on the university scene

TECH offers the most complete study plans on the university scene, with syllabuses that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously being updated to guarantee students the academic vanguard and the most in-demand professional skills. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use *Relearning* in all its programs. It is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this disruptive educational model is complemented with the "Case Method", thereby setting up a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has managed to become the leading university in employability. 99% of its students obtain jobs in the academic field they have studied, within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded to TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition as a Google Premier Partner not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

This qualification will offer a comprehensive and advanced approach to the preoperative preparation and postoperative management of patients undergoing Minimally Invasive Thoracic Surgery. Through an up-to-date syllabus covering the latest research and technological advances in thoracic surgery, professionals will delve into essential aspects such as comprehensive preoperative assessment, the selection of suitable candidates for VATS procedures and the optimization of lung function. Finally, they will emphasize best practices for postoperative care, including pain management, prevention of respiratory complications, and early rehabilitation.

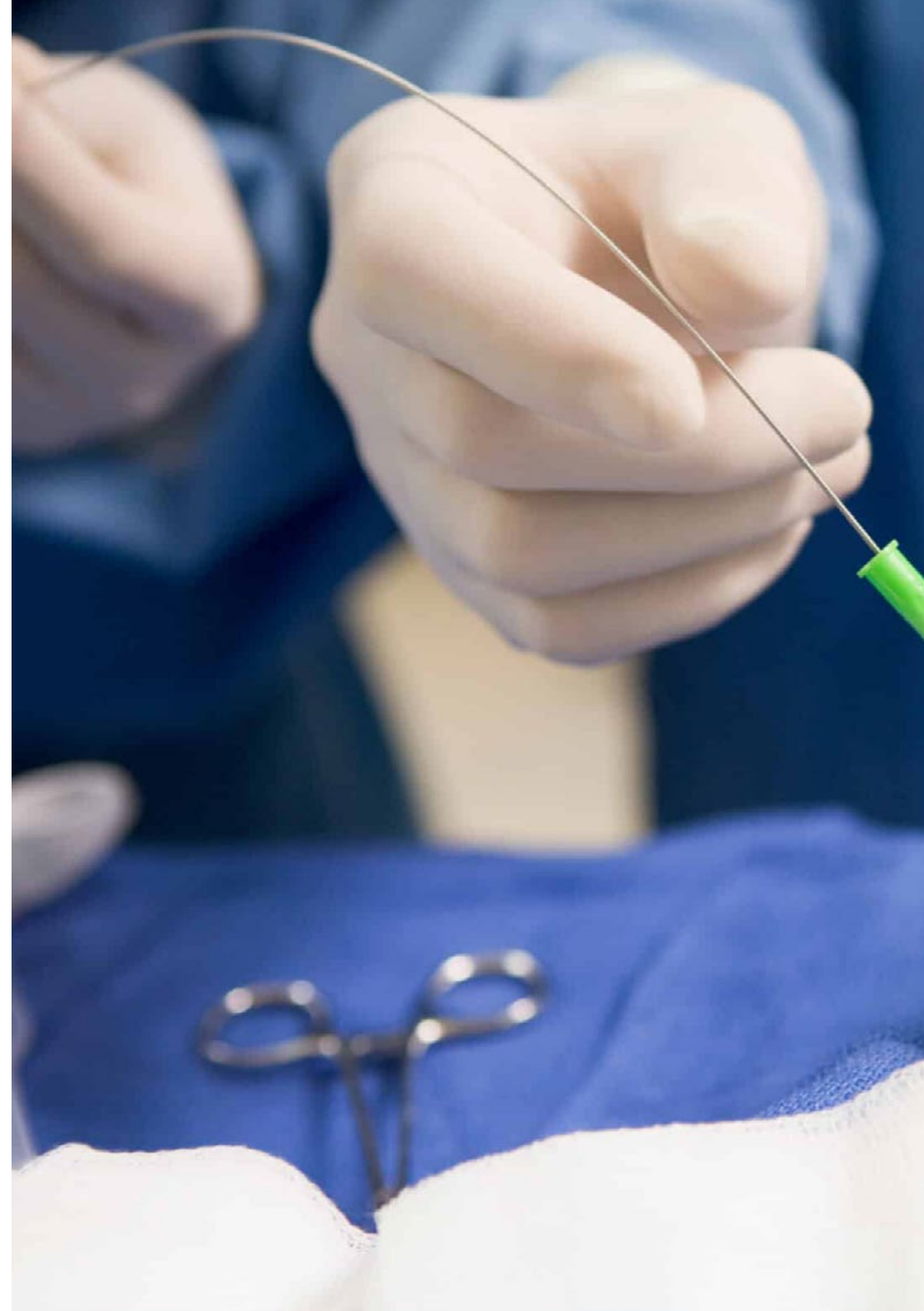


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Thanks to this program and the content provided by TECH, you will strengthen your skills in one of the most innovative and in-demand areas of medicine today”

Module 1. VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery

- 1.1. Resectability Criteria in Minimally Invasive Surgery
 - 1.1.1. Resectability
 - 1.1.2. Methods for Evaluating Resectability
 - 1.1.3. Strategies to Improve Resectability
- 1.2. Operability Criteria in Minimally Invasive Surgery
 - 1.2.1. Operability
 - 1.2.2. Preoperative Functional Evaluation Algorithms
 - 1.2.3. Other Operability Conditions
- 1.3. Marking of Pulmonary Nodules
 - 1.3.1. Indications for the Use of Pulmonary Nodule Marking
 - 1.3.2. Types of Percutaneous Marking and Bronchoscopic Marking
 - 1.3.3. Advantages and Disadvantages of the Different Types of Marking
- 1.4. Usefulness of 3D Reconstruction
 - 1.4.1. 3D Reconstruction. Uses
 - 1.4.2. Applications in Minimally Invasive Surgery
 - 1.4.3. Advantages of 3D Reconstruction for Minimally Invasive Surgery: Evidence in Literature
- 1.5. Patient Prehabilitation in Minimally Invasive Surgery
 - 1.5.1. Evidence for Patient Prehabilitation
 - 1.5.2. Candidates for Prehabilitation
 - 1.5.3. Practical Recommendations for Patient Prehabilitation
- 1.6. ERAS Program: Preoperative in Minimally Invasive Surgery
 - 1.6.1. Quitting Smoking. Management of Alcohol Dependence
 - 1.6.2. Optimization of Hemoglobin Levels. Optimization of Nutritional Status. Pre-operative Fasting
 - 1.6.3. Prophylaxis of Thromboembolic Disease. Antibiotic Prophylaxis
- 1.7. ERAS Program: Intraoperative in Minimally Invasive Surgery
 - 1.7.1. Prevention of Hypothermia
 - 1.7.2. Anesthetic Protocol
 - 1.7.3. Regional Analgesia



- 
- 1.8. ERAS Program: Postoperative in Minimally Invasive Surgery
 - 1.8.1. Nausea and Vomiting Control. Prevention and Treatment of the Arrhythmia
 - 1.8.2. Pain Management
 - 1.8.3. Early Physiotherapy and Mobilization
 - 1.9. Drainage Management in Minimally Invasive Surgery. Specific Aspects
 - 1.9.1. Pleural Space Physiology
 - 1.9.2. Types of Thoracic Drainage Systems
 - 1.9.3. Management of Drainages
 - 1.10. Prevention of Late Complications and Urgent Readmissions
 - 1.10.1. Incidence
 - 1.10.2. Risk Factors. Main Causes
 - 1.10.3. Impact on Survival

“Taught by a team of international experts, this online Postgraduate Certificate will offer you flexibility and access to high-quality resources, ensuring that you are prepared to improve the care and outcomes of your patients”

04

Teaching Objectives

The main objective of this program is to provide professionals with the necessary skills to carry out optimal preoperative planning and efficient postoperative management in patients undergoing Minimally Invasive Thoracic Surgery. Firstly, they will know how to thoroughly assess patients, identifying the surgical indications for VATS procedures, such as lobectomies, segmentectomies and lung resections, through the interpretation of advanced imaging studies and the assessment of lung function. They will also master preoperative preparation, considering factors such as the selection of suitable candidates and the management of comorbidities, guaranteeing a successful surgical intervention and a quick recovery.





“

TECH and its innovative Postgraduate Certificate will prepare you to apply the knowledge in your daily practice, improving clinical results and optimizing patient care”



General Objectives

- ♦ Master the basic principles of preoperative planning in minimally invasive thoracic surgery
- ♦ Apply effective strategies for the preoperative assessment of patients who are candidates for VATS
- ♦ Identify and select advanced technological tools used in minimally invasive thoracic surgery
- ♦ Optimize surgical preparation to reduce risks and improve clinical outcomes in VATS
- ♦ Analyze specific care in the postoperative management of patients undergoing minimally invasive thoracic surgery
- ♦ Implement safety protocols in thoracic surgery to minimize surgical complications
- ♦ Acquire practical skills for the management of intraoperative complications during VATS procedures
- ♦ Integrate multimodal recovery concepts into the design of care plans for surgical patients





Specific Objectives

- ♦ Identify the selection criteria for different thoracic surgery techniques
- ♦ Apply advanced imaging tools and localization of lung nodules in preoperative planning
- ♦ Improve the precision and effectiveness of interventions
- ♦ Guarantee the comprehensive management of the patient from the preoperative to the postoperative stage, ensuring optimal recovery and minimization of complications

“

The only Postgraduate Certificate on the market that will provide you with the latest technological innovations in Thoracic Surgery so that you can provide more precise and less invasive treatment"

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.

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*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.

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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.

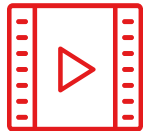
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

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

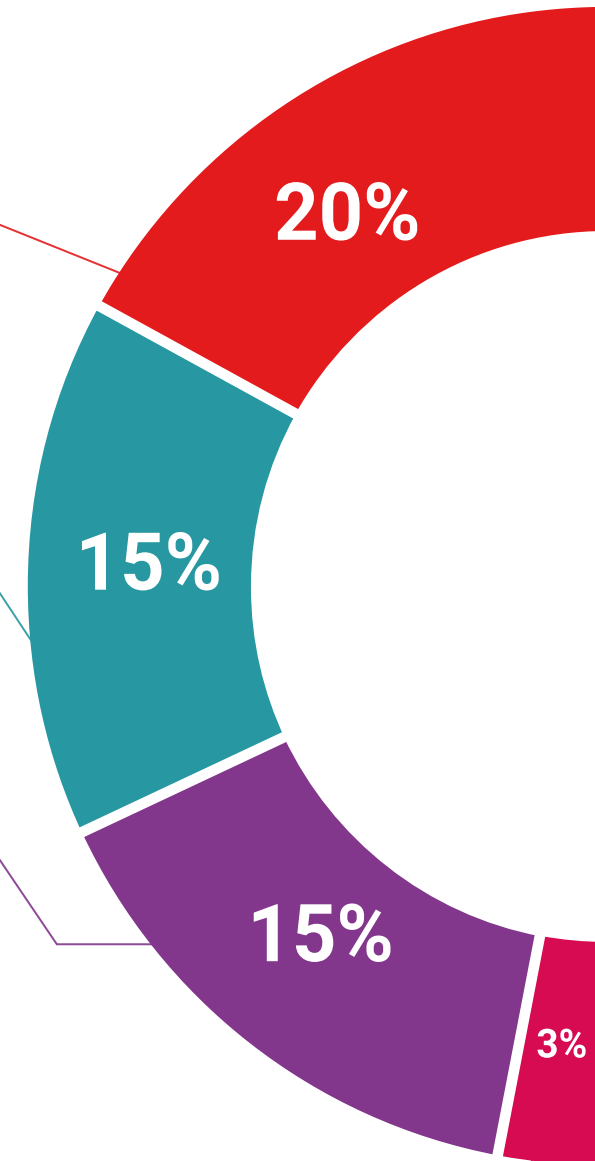
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

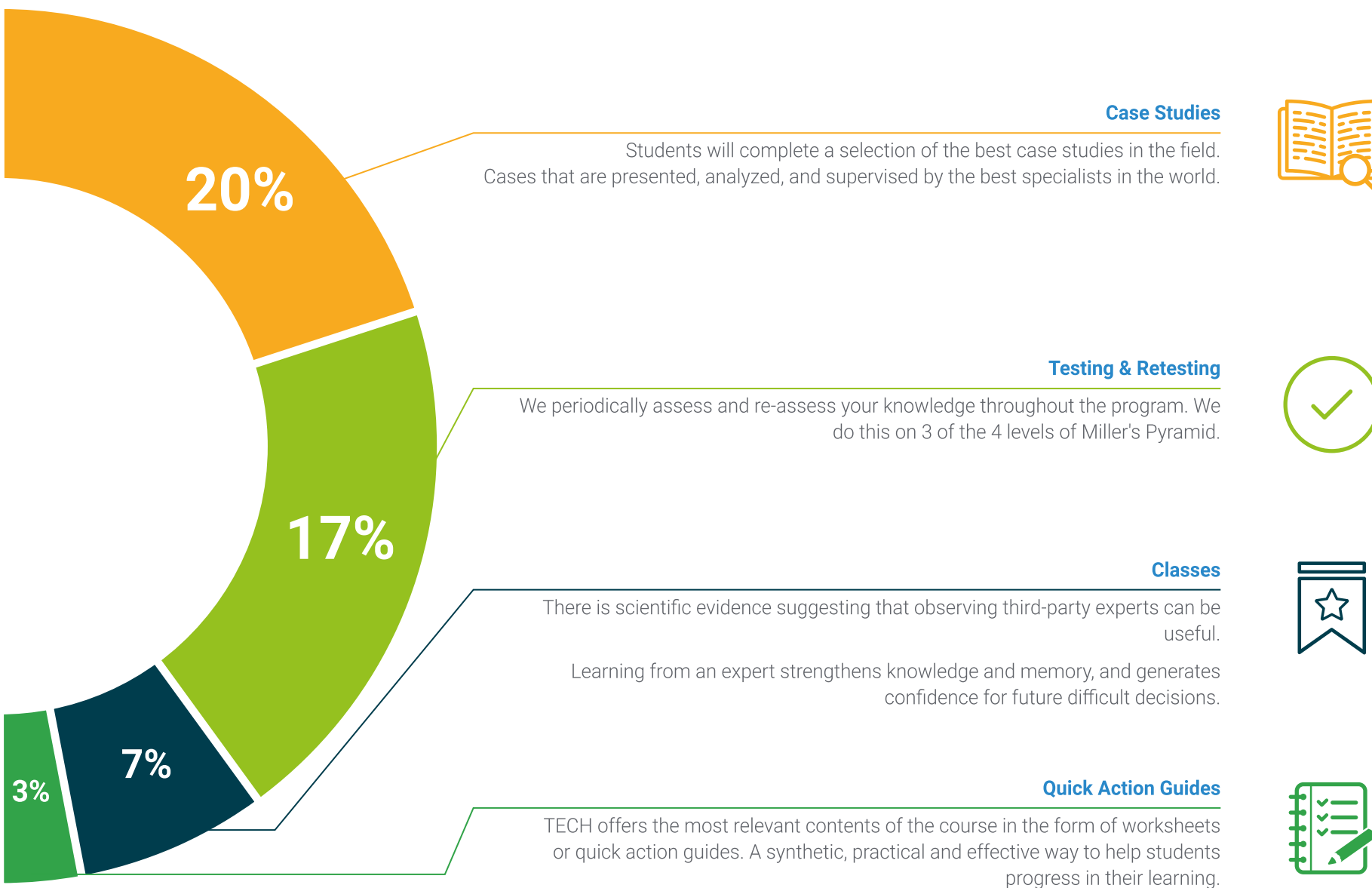
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06

Teaching Staff

The teaching staff is made up of a team of highly qualified professionals with extensive experience in the field of Minimally Invasive Thoracic Surgery. With outstanding careers in clinical practice and research, they offer cutting-edge education that will prepare students to face the challenges of the modern surgical environment. In short, these mentors will provide practical and theoretical knowledge, based on the latest advances in VATS techniques and postoperative care, ensuring that they acquire the skills necessary to make sound decisions in the pre- and postoperative management of patients.



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With the support of the TECH teaching team, you will be prepared to lead in the field of Thoracic Surgery with an innovative and high-quality approach. What are you waiting for to enroll?"

Management



Dr. Martínez Hernández, Néstor J.

- ♦ President of the Scientific Advisory Office of the Spanish Society of Thoracic Surgery (SECT)
- ♦ Coordinator of the Scientific Committee of the Spanish Society of Thoracic Surgery
- ♦ Thoracic Surgeon at the University Hospital La Ribera
- ♦ Thoracic Surgeon Editor of Cirugía Española in Elsevier
- ♦ Guest Editor at the Journal of Visualized Experiments
- ♦ Associate Professor at the Department of Respiratory Medicine, Faculty of Medicine, Catholic University of Valencia
- ♦ Thoracic Surgeon at the Manises Hospital
- ♦ Visiting Physician at Cedars-Sinai Medical Center
- ♦ Resident Medical Intern at the General University Hospital of Valencia
- ♦ Visiting Physician at Mount Sinai Hospital, New York, United States
- ♦ Visiting Physician at Yale New Haven Hospital, United States
- ♦ Doctor of Medicine and Surgery from the University of Valencia
- ♦ Degree in Medicine and Surgery from the University of Valencia
- ♦ Specialist in Thoracic Surgery
- ♦ Extraordinary Doctorate Award from the University of Valencia
- ♦ Antonio Caralps y Masso Award of the SECT for the Best Communication in Thoracic Surgery
- ♦ First Prize of IX Edition to the Best Specialist in Training at the Gregorio Marañón General University Hospital
- ♦ Member of: European Society for Thoracic Surgery (ESTS), Spanish Society of Thoracic Surgery (SECT), Spanish Society of Pulmonology and Thoracic Surgery (SEPAR), Valencian Society of Pulmonology (SVN)



Dr. Quero Valenzuela, Florencio

- ♦ Chief of the Thoracic Surgery Department at the Virgen de las Nieves University Hospital
- ♦ Specialist Physician in Thoracic Surgery at the Virgen de las Nieves University Hospital
- ♦ Specialist Physician in Thoracic Surgery at the Virgen Macarena University Hospital
- ♦ Member of the Ae22-Cancer Genetics, Biomarkers and Experimental Therapies Research Group
- ♦ Doctor of Surgery from the University of Granada
- ♦ Master's Degree in Clinical Unit Management from the University of Murcia
- ♦ Expert in Epidemiology and Clinical Research from the University of Granada
- ♦ Bachelor's Degree in Medicine and Surgery from the University of Granada

Professors

Dr. Cabañero Sánchez, Alberto

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

Dr. Fra Fernández, Sara

- ♦ Specialist Physician in Thoracic Surgery at the Ramón y Cajal University Hospital
- ♦ Resident in Thoracic Surgery at the Ramón y Cajal University Hospital
- ♦ Scholarship holder of the European Association of Cardiothoracic Surgery (EACTS) Program
- ♦ Master's Degree in Thoracic Oncology from the CEU San Pablo University

- ♦ University Expert in Pleural Pathology from the Autonomous University of Barcelona
- ♦ Degree in Medicine from the University of Santiago de Compostela

Dr. Gómez Hernández, María Teresa

- ♦ Specialist Physician in Thoracic Surgery at the University Hospital of Salamanca
- ♦ Specialty Resident in Thoracic Surgery at the University Hospital of Salamanca
- ♦ Doctor of Medicine from the University of Salamanca
- ♦ Master's Degree in Medical Management and Clinical Management from the UNED
- ♦ Master's Degree in Health Research Methodology in Health Sciences from the University of Salamanca
- ♦ Bachelor's Degree in Medicine from the University of Salamanca

07 Certificate

This Postgraduate Certificate in VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery guarantees, in addition to the most rigorous and up-to-date program, access to an Postgraduate Certificate diploma issued by TECH Global University.



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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 VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery** 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 VATS Preoperative Planning and Care in Minimally Invasive Thoracic Surgery

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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