

# Postgraduate Certificate

Endometriosis and Autoimmune Diseases  
and Other Pathological Conditions





## Postgraduate Certificate

### Endometriosis and Autoimmune Diseases and Other Pathological Conditions

Course Modality: **Online**

Duration: **6 weeks**

Certificate: **TECH Technological University**

Official N° of hours: **150 h.**

Website: [www.techtitute.com/pk/medicine/postgraduate-certificate/endometriosis-autoimmune-diseases-other-pathological-conditions](http://www.techtitute.com/pk/medicine/postgraduate-certificate/endometriosis-autoimmune-diseases-other-pathological-conditions)

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# 01

# Introduction

In recent years it has been thought that endometriosis acts as a form of true autoimmune disease, and, in fact, as they are associated with each other, there is probably a close relationship with this type of disease. This highly-skilled program will focus on those diseases that have been found to have the strongest association.

You will have access to the most advanced didactic resources and the most innovative and up-to-date knowledge in Endometriosis and Autoimmune Diseases. A unique program that stands out for the quality of its contents and its excellent teaching staff, which is composed of prestigious professionals.



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*A Postgraduate Certificate created to take the professional through the essential knowledge in Endometriosis, which they will be able to apply in their daily practice”*

The risk of cardiovascular disease has increased in patients affected by endometriosis, so in this program the student will learn in depth about this association and how to act on it.

More established is the shared link with thyroid disease and endometriosis, especially autoimmune hypothyroidism. However, inflammatory bowel diseases also seem to play a certain role in the delay of a diagnosis and may mask the symptomatology. Therefore, it is necessary to know that the search for Endometriosis in these patients is part of their complementary diagnosis.

The association with celiac disease has also been evidenced in certain retrospective studies, however, the effect of gluten in patients with endometriosis has yet to be analyzed.

Furthermore, the controversial association with irritable bowel syndrome will be discussed. Similarly, we will also look at evidence that suggests that allergies and allergic asthma may have a common pathophysiologic basis.

Although little is known about fibromyalgia and endometriosis, it is not surprising that they may have a common origin, therefore, we will address the evidence that shows that people with fibromyalgia also suffer from endometriosis. We know that the malignancy of ovarian endometriosis in ovarian cancer causes a great impact, however, the association with other extraperitoneal cancers will also be taken into account in this program.

This Postgraduate Certificate is designed to help professionals to better treat their patients affected by endometriosis. Effective education and training in Endometriosis and Autoimmune Diseases and Other Pathological Situations is provided through practical and theoretical teaching by highly qualified professors.

For all these reasons, TECH has designed this Postgraduate Certificate, which will provide the professional with specialist knowledge to be able to develop a comprehensive approach to their patients from a multidisciplinary point of view, thanks to the content developed by doctors from different specialties. It's an intensive program, designed to learn about the technologies, materials and treatments of this discipline and includes a complete perspective of the techniques used in Endometriosis, allowing you to specialize in an effective and responsible way. In this way, this course provides a high level training that seeks excellence.

In addition, its 100% online format will allow you to continue your studies from the place of your choice, without the need to travel or schedule obligations.

This **Postgraduate Certificate in Endometriosis and Autoimmune Diseases and Other Pathological Conditions** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Endometriosis
- ♦ The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ New developments in Endometriosis Techniques
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Special emphasis on innovative methodologies in Endometriosis techniques
- ♦ 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



*Expand your knowledge through this Postgraduate Certificate and specialize in Endometriosis in order to achieve excellence in this field"*

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*A unique program that stands out for the quality of its contents and its excellent teaching staff, with which you will achieve professional success”*

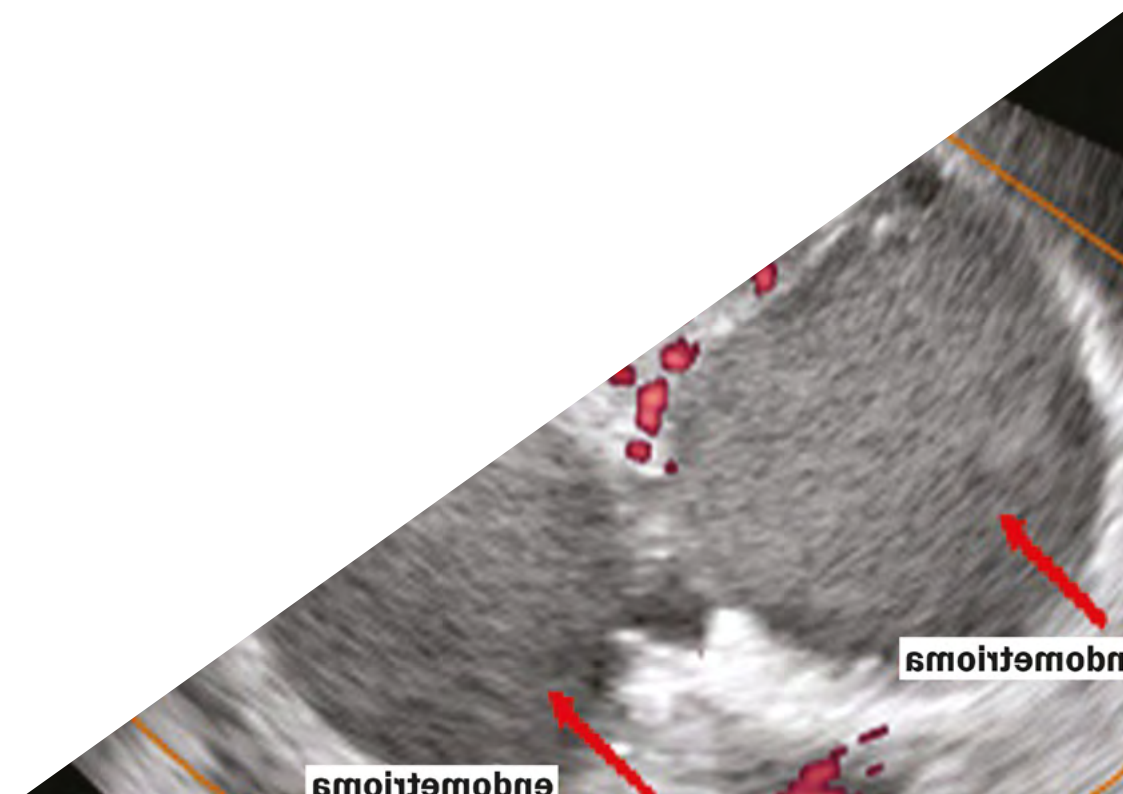
The teaching staff includes medical professionals who contribute their experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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 training programmed to learn in real situations.

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

*Do not hesitate to take this program with us. You will find the best teaching material with virtual lessons.*

*This 100% online Postgraduate Certificate course will allow you to balance your studies with your professional work while increasing your knowledge in this field.*



# 02 Objectives

The Postgraduate Certificate in Endometriosis and Autoimmune Diseases and Other Pathological Conditions is oriented towards facilitating the professional's performance using the latest advances and most innovative treatments in the sector, achieving a superior level of knowledge that allows them to act with total confidence in the cases that arise in their practice.







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*At TECH, our objective is to offer you the most complete program in Endometriosis so that you reach a higher level of knowledge which will propel you to an elite professional level”*



## General objectives

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- ♦ Develop your educational and professional expertise in all the core areas of Endometriosis, giving you the appropriate knowledge, understanding and professional skills to improve the management of the patient with this chronic disease
- ♦ Develop leadership skills in Endometriosis, so that you will be able to form a multidisciplinary team focused on this pathology
- ♦ Acquire an understanding of the processes involved in the etiopathogenesis and pathophysiology of endometriosis, as well as their epidemiological aspects, which will provide adequate knowledge to provide a correct clinical history of the disease
- ♦ Achieve sufficient skills to make a diagnostic approach to the patient through the clinical symptoms they present. Broaden knowledge about less frequent symptomatology
- ♦ Explore, in depth, the different diagnostic approaches to Endometriosis from a critical perspective of routine clinical practice. Analyze combined diagnostic criteria
- ♦ Gain knowledge of diagnostic techniques in research ranging from immunology to genetics and epigenetics. Develop competencies to know how to interpret results and in which situations to apply them
- ♦ Achieve competent skills for the correct classification of Endometriosis. Know the types of Endometriosis and their severities according to different classifications
- ♦ Develop the ability to have an integrative vision of adenomyosis. Have the ability to diagnose, follow up and treat patients affected by this disease. Know in depth the current fields of research
- ♦ Gain in-depth knowledge of Endometriosis from the treatment point of view. Deepen knowledge of new medical therapies and of new therapeutic lines of research
- ♦ Acquire knowledge of the most appropriate surgical techniques depending on the patient's situation and the type of Endometriosis. Increase knowledge about complications and their treatment
- ♦ Deepen knowledge about the medical and preventive aspects of the effects of Endometriosis from the field of reproductive medicine. Know the perspectives of embryology and the in vitro fertilization laboratory
- ♦ Know in depth, the associations with different pathological situations. Expand knowledge of the management of Endometriosis associated with autoimmune diseases. Learn more about cancer risk and the different diagnostic and preventive approaches



## Specific objectives

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- ◆ Deepen knowledge of the association between endometriosis and autoimmune diseases. Know the pathological and genetic basis that unites them. Know the importance of the diagnostic search for endometriosis in every patient affected by these diseases
- ◆ Know the close relationship of endometriosis with the long-term occurrence of cardiovascular disease. Know the strategies for prevention and early diagnosis
- ◆ Know about the close relationship of thyroid disease of autoimmune origin with endometriosis. Know the treatment of thyroid disease as part of the management of endometriosis symptomatology
- ◆ Better understand the association with inflammatory bowel diseases. Know, in depth, the symptomatology that can mask endometriosis. Understand each of the inflammatory bowel diseases from the clinical and pathogenic point of view
- ◆ Have in-depth knowledge of celiac disease and its variants. Understand its association with endometriosis and improvement after symptomatology control
- ◆ Deepen understanding about the concordant symptomatology of irritable bowel syndrome and endometriosis. Critically evaluate whether we are talking about independent entities or whether there is a masking of Endometriosis in patients diagnosed with irritable bowel syndrome
- ◆ Analyze the union in the same patients affected by fibromyalgia and endometriosis. Know what causes a higher percentage of endometriosis diagnosed with fibromyalgia and how it affects the underlying disease
- ◆ Know about the correlation of endometriosis with patients affected by allergies and allergic asthma. Know the pathogenic basis for such an association, and think about endometriosis in patients diagnosed with various allergies
- ◆ Delve into the status of the microbiota in patients with endometriosis. Know the status of the genital microbiota with the different stages of endometriosis. Know its relationship with immune status
- ◆ Understand the importance in association with ovarian cancer both at the time of diagnosis and in the follow-up of the disease. Know about the association with other types of cancer, such as thyroid cancer

03

# Course Management

The program includes in its teaching staff leading experts in Endometriosis, who contribute to this program the experience from their work. Additionally, other recognized experts have participated in its design and preparation, complementing the program in an interdisciplinary manner.





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*Leading experts in gynecology and obstetrics have come together to share with you all their knowledge in this field”*

## Management



### Dr. Moliner Renau, Belén

- ♦ Director of the Endometriosis Unit, Bernabeu Institute
- ♦ Head of the Reproductive Medicine Ultrasound Department at the Bernabeu Institute
- ♦ Coordinator of the “Image and Fertility” Working Group of the Spanish Fertility Society
- ♦ Specialist in Obstetrics and Gynecology via MIR, Clinical University Hospital of Valencia
- ♦ PhD in Medicine and Surgery “Cum Laude”, University of Valencia
- ♦ Master’s Degree in Human Reproduction, Rey Juan Carlos University
- ♦ Master’s Degree in Research Methodology, Autonomous University of Barcelona
- ♦ Advanced studies for the use of STATA in biomedical research, Autonomous University of Barcelona
- ♦ Expert in Medical Genetics, University of Valencia, Spain
- ♦ Master’s Degree in Autoimmune Disease
- ♦ University Certificate in Introduction to Regenerative Medicine: Biology and Applications of Human Stem Cells, University of Valencia

## Professors

### Dr. Muñoz Gil, Sonia

- ♦ Specialist in Rheumatology, Manises Hospital, Valencia

### Dr. Luque Martínez, Lydia

- ♦ Director of Bernabeu Institute of Albacete
- ♦ Specialist in Obstetrics and Gynecology, specializing in Reproductive Medicine

### Dr. Ten Morro, Jorge

- ♦ Director of the Reproductive Biology Operational Unit at Bernabeu Institute
- ♦ Associate Professor, Department of Biotechnology, University of Alicante, Spain

### Mr. Navarro Tellez, Pino

- ♦ Assistant Physician of the Endocrinology and Nutrition Section, Virgen de los Lirios de Alcoy Hospital
- ♦ Department Director of the Endocrinology Department, Bernabeu Institute

### Dr. De La Torre Pérez, Esperanza

- ♦ Specialist in Obstetrics and Gynecology, Bernabeu Institute, Madrid

### Dr. Marco Alacid, Cristian

- ♦ Specialist in Endocrinology, Alcoy Hospital

### Dr. Herencia Rivero, Alicia

- ♦ Gynecologist specializing in Reproductive Medicine at Bernabeu Institute in Madrid

### Dr. Martín Díaz, Rodolfo

- ♦ Head of the Obstetrics and La Quirón Torrevieja Hospital

### Dr. Bernabeu García, Andrea

- ♦ Co-Medical Director at Bernabeu Institute
- ♦ Coordinator of the Genetic and Reproductive Counseling Unit Bernabeu Institute
- ♦ PhD in Medicine. Specialist in Gynecology and Obstetrics. European Board and College of Obstetrics and Gynecology

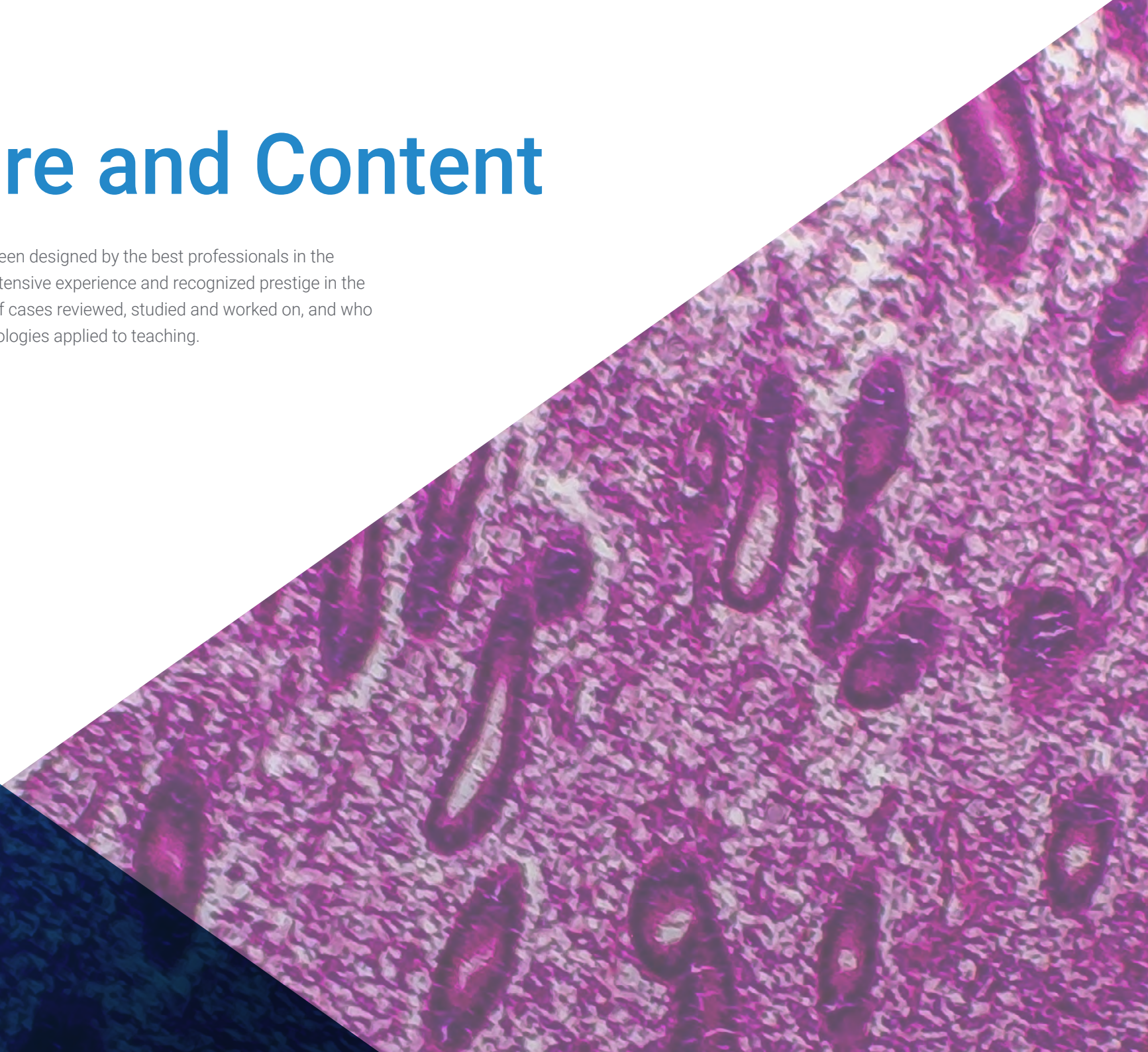


*The best professionals are at the best university. Don't miss the opportunity to learn with them"*

# 04

# Structure and Content

The structure of the contents has been designed by the best professionals in the field of endometriosis, who have extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied and worked on, and who have great command of new technologies applied to teaching.





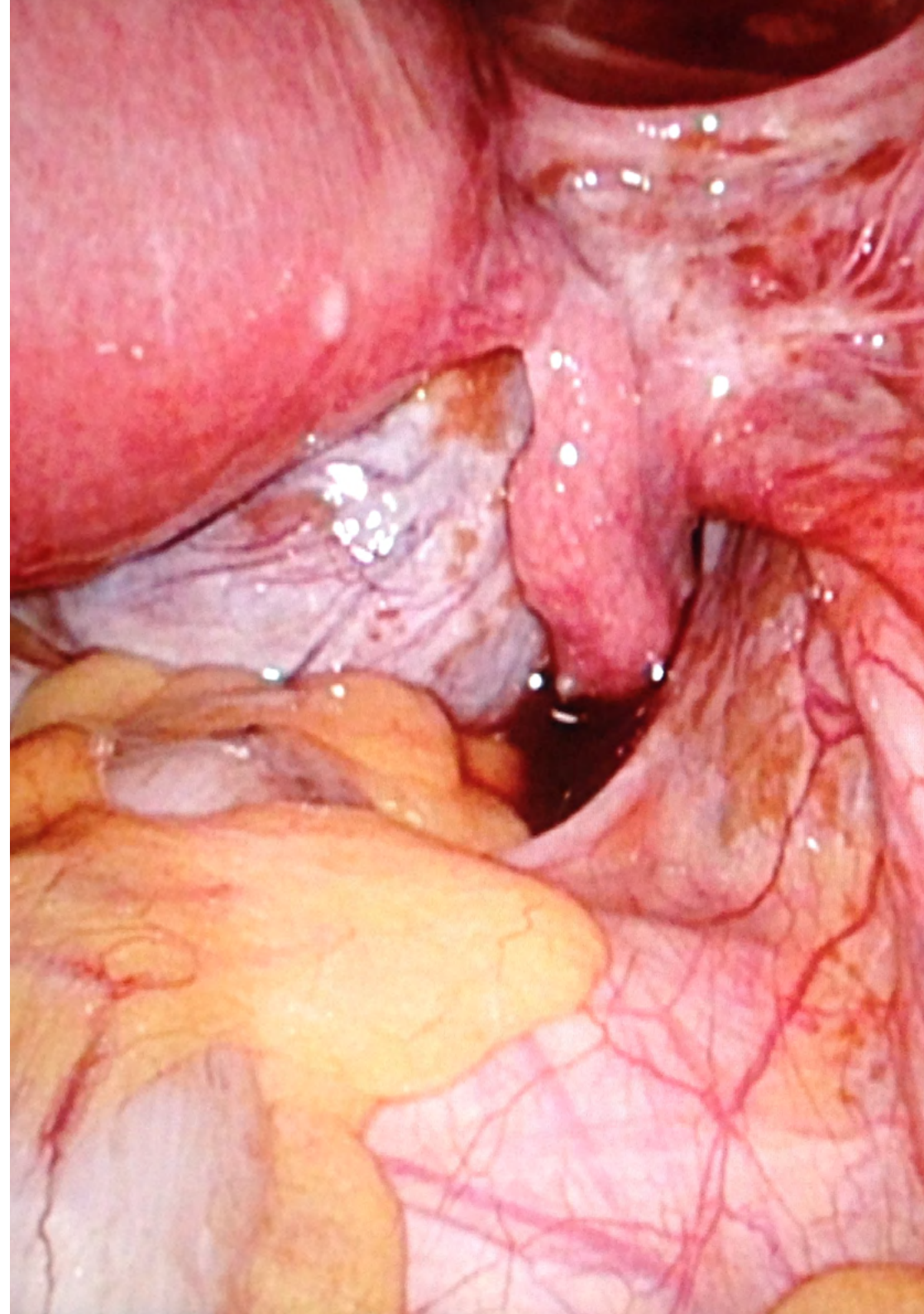
A microscopic image of plant tissue, likely a cross-section of a stem, showing various cellular structures and vascular bundles. The image is stained, showing a range of purple and pink hues. The tissue is dense and shows clear patterns of cell walls and internal structures.

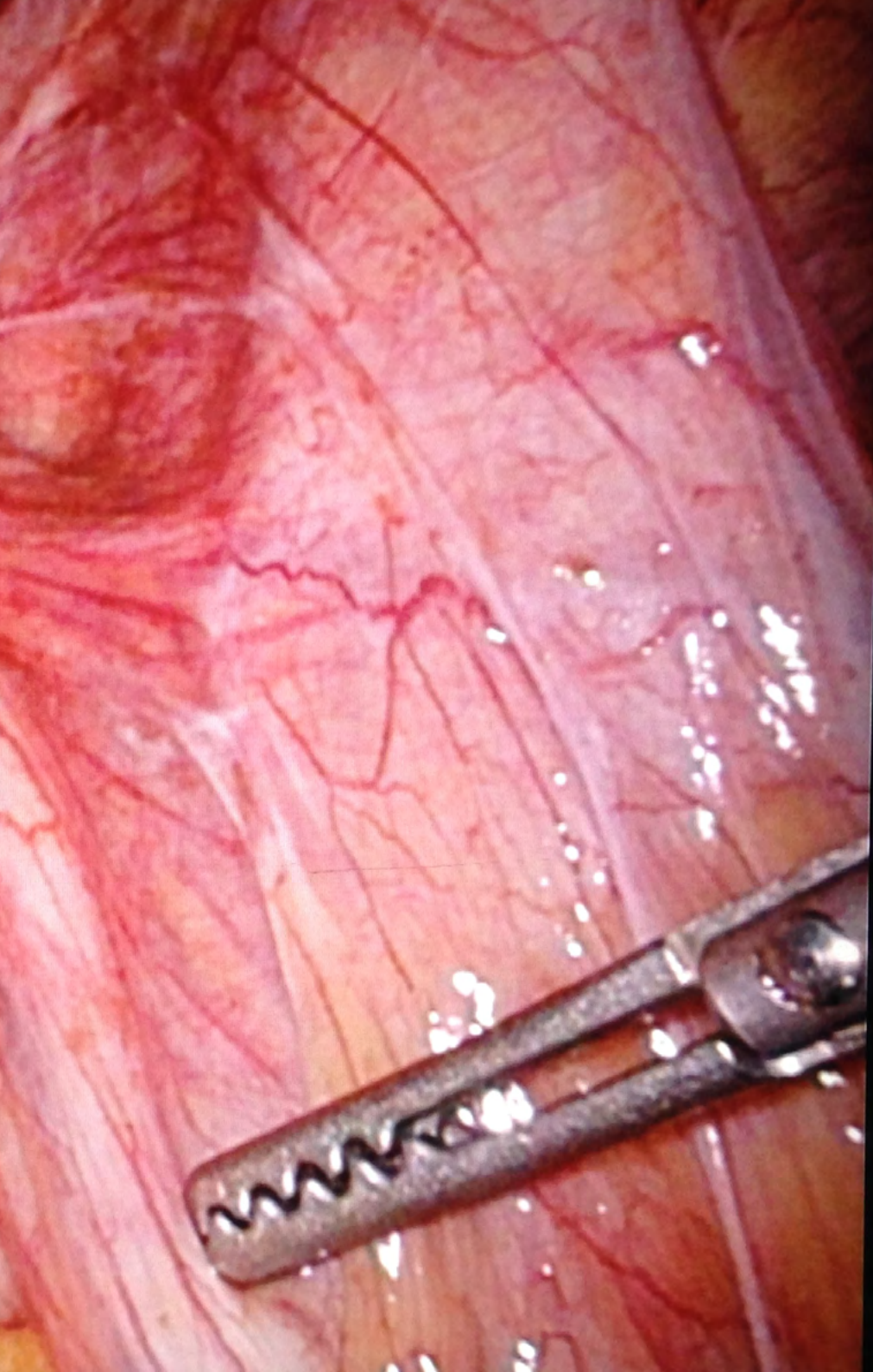
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*This Postgraduate Certificate contains the most complete and up-to-date scientific program on the market, which makes it your best study option”*

## Module 1. Endometriosis and Autoimmune Diseases and Other Pathological Conditions

- 1.1. Autoimmune Diseases
  - 1.1.1. Rheumatoid Arthritis
  - 1.1.2. Lupus Erythematosus
  - 1.1.3. Multiple Sclerosis
  - 1.1.4. Psoriasis
- 1.2. Cardiovascular Disease
- 1.3. Thyroid Autoimmune Disease
  - 1.3.1. Hashimoto's Thyroiditis
  - 1.3.2. Graves' Disease
- 1.4. Inflammatory Bowel Diseases
  - 1.4.1. Ulcerative Colitis
  - 1.4.2. Crohn's Disease
- 1.5. Celiac Disease and its Variants
- 1.6. Irritable Bowel Syndrome
- 1.7. Food Allergies and Intolerances
  - 1.7.1. Allergic Asthma
- 1.8. Fibromyalgia
- 1.9. Cancer
  - 1.9.1. Ovarian Cancer
  - 1.9.2. Extrapelvic Cancer
- 1.10. Pathological Microbiota





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*This will provide key training to help you advance in your career”*

05

# Methodology

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

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





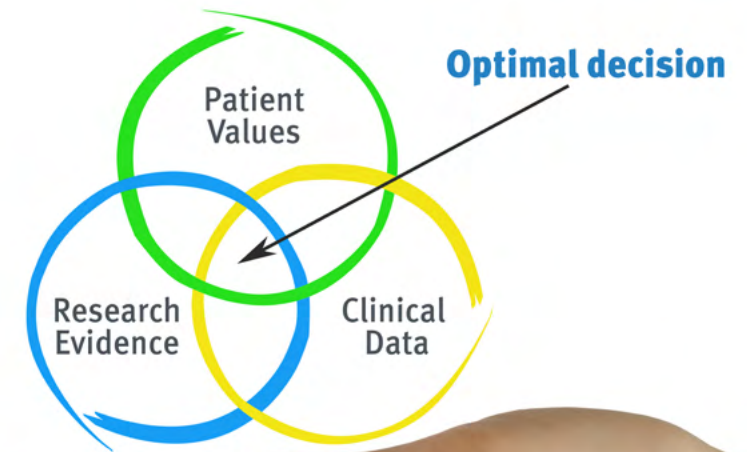
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”*

## 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. Gervas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching 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.

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

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

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



## Relearning Methodology

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

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

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





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

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

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

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

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



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



#### Study Material

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

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



#### Surgical Techniques and Procedures on Video

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



#### Interactive Summaries

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

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



#### Additional Reading

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





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

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



#### Testing & Retesting

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



#### Classes

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



#### Quick Action Guides

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



06

# Certificate

The Postgraduate Certificate in Endometriosis and Autoimmune Diseases and Other Pathological Conditions guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This **Postgraduate Certificate in Endometriosis and Autoimmune Diseases and Other Pathological Conditions** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Endometriosis and Autoimmune Diseases and Other Pathological Conditions**

Official N° of hours: **150 h.**



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

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

online training

development languages

virtual classroom

**tech** technological  
university

## Postgraduate Certificate

Endometriosis  
and Autoimmune  
Diseases and Other  
Pathological Conditions

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

Official N° of hours: 150 h.

# Postgraduate Certificate

Endometriosis and Autoimmune Diseases  
and Other Pathological Conditions

