

# Postgraduate Certificate

## Medical Treatment of Endometriosis



endometrioma



## Postgraduate Certificate Medical Treatment of Endometriosis

Course Modality: **Online**

Duration: **6 weeks**

Certificate: **TECH Technological University**

**6 ECTS Credits**

Teaching Hours: **150 hours**

Website: [www.techtitute.com/medicine/postgraduate-certificate/medical-treatment-endometriosis](http://www.techtitute.com/medicine/postgraduate-certificate/medical-treatment-endometriosis)

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01

# Introduction

With this program, the student will acquire the essential skills to properly apply the medical treatment of Endometriosis. Throughout these weeks he will address lifestyle changes that can improve the patient's symptomatology. You will also learn about strategies that are valid to alleviate the devastating effects that endometriosis can cause, among other issues of interest.



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*With this program we want to meet your objective of acquiring superior training in this highly demanded field"*

An endometriosis specialist must be familiar with pain management, so it is necessary to master analgesic treatments and combined pain relief guidelines. Combined contraceptives are the most commonly used medical treatments, however, with limited efficacy. It is necessary to know which estroprogestogens have shown the most efficacy depending on the type of endometriosis, as well as the undesirable effects they may produce, in order to warn patients.

In this training the student will learn which is the most appropriate combination depending on the patient's main symptom. Similarly, gestagens have proven to be effective, although not without certain undesirable consequences.

Likewise, the professional will also learn more about the routes of administration of these drugs. Dienogest is postulated as the progestogen that treats endometriosis par excellence, so we are going to go into special detail on when to indicate it and what consequences it has. Danazol is a drug used specifically in endometriosis with certain indications, which are going to be disclosed. Aromatase inhibitors are used in other fields, although they have also been found to be useful in the treatment of endometriosis, so they will be addressed from this perspective.

More effective are GnRH agonists, although like all treatments with consequences that mean that their duration must be limited. The most recent development in medical treatment has been the appearance of oral GnRH antagonists, with almost exclusive indication for endometriosis. Very interesting are the lines of research that exist, and that certainly deserve at least to be analyzed in depth.

This Postgraduate Certificate is designed to help professionals to better treat their patients affected by endometriosis. Effective education and training in the Doctor Treatment of Endometriosis is provided through practical and theoretical teaching by senior faculty.

The **Postgraduate Certificate in Medical Treatment of Endometriosis** contains the scientific most complete and up-to-date educational program on the market. The most important features of the program 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.



*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"*



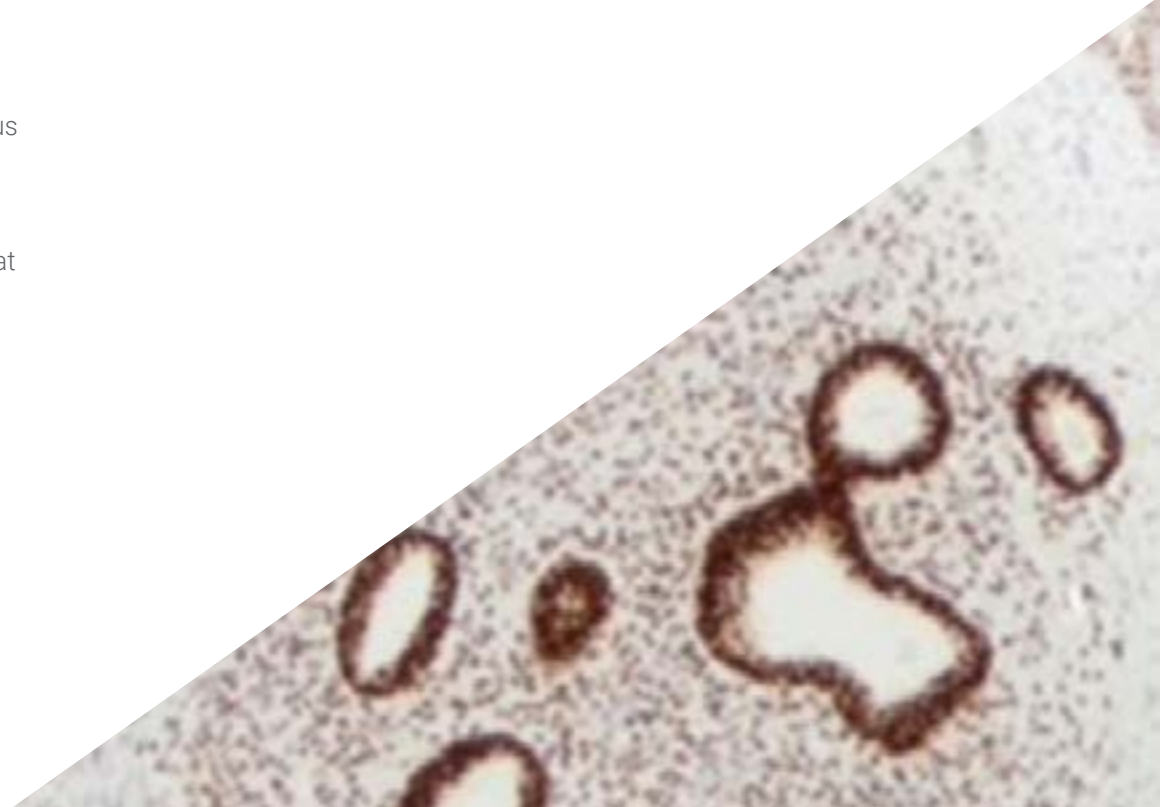
*Expand your knowledge through this Postgraduate Certificate and specialize in Endometriosis to achieve excellence in this field"*

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

The teaching staff includes medical professionals who bring their experience to this training 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 train in real situations.

The design of this program is centered around Problem-Based Learning, in which the medical professional will resolve professional practice situations that may arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Endometriosis.



# 02 Objectives

The Postgraduate Certificate in Medical Treatment of Endometriosis is oriented towards facilitating the professional's performance using the latest advances and most innovative treatments in the sector, achieving a superior training that allows them to act with total security in the cases that arise in their practice.





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*At TECH, our objective is to offer you the most complete training in Endometriosis so that you reach a higher level of training which will propel you to 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 integrated vision of adenomyosis ability to diagnose, monitor and treat patients affected by this disease. Know in depth the current fields of research
- ♦ Gain an in-depth knowledge of Endometriosis from the treatment point of view. Deepen the knowledge of new medical therapies. Knowledge 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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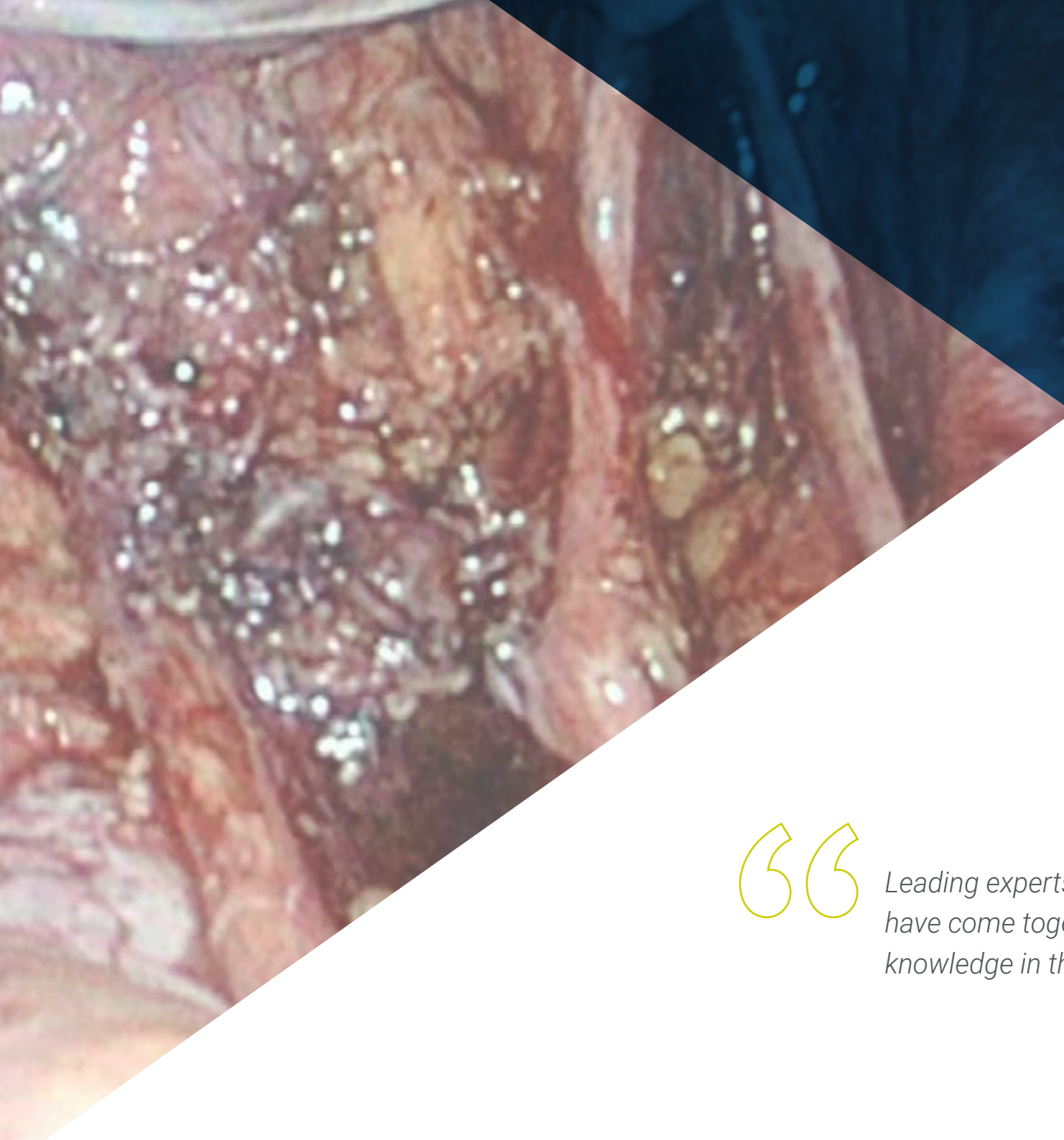
- ◆ Acquire knowledge of all non-invasive approaches in the management of disease symptomatology, adapting each strategy to a specific situation
- ◆ Deepen understanding of lifestyle changes that have scientific evidence in the improvement of the clinical condition caused by the disease
- ◆ Acquire the skills of pain management through a scale of drugs aimed at symptomatology control Know the different drugs that have proven most useful in endometriosis and why Know about the combination of drugs in the treatment of pain
- ◆ Understand combined contraceptives as a strategy in the control of endometriosis symptomatology Know which are the most used and effective combinations Know its efficacy depending on the route of administration
- ◆ Know what gestagens are and their usefulness in the treatment of endometriosis Know its efficacy depending on the symptomatology and type of endometriosis Know what their side effects are
- ◆ Learn more about the treatment of endometriosis using Dienogest Know the drug and its metabolism, as well as the effects on endometriosis Know its side effects
- ◆ Know in depth Danazol as a specific treatment for endometriosis Know its indications and uses, as well as its side effects
- ◆ Understand the usefulness of aromatase inhibitors in the treatment of endometriosis Know its indications and limited usefulness
- ◆ Know in depth all the GnRH agonist drugs with their route of administration and efficacy in endometriosis Understand when it is indicated to treat with this treatment and the undesirable effects it causes

03

# Course Management

The program includes in its teaching staff leading experts in Endometriosis, who bring to this training the experience from their work. Additionally, other recognized experts participate in its design and preparation, completing 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"*

## International Guest Director

Dr. Stephen Kennedy has a long career in the field of Reproductive Medicine. In this field, he directs the Oxford Institute of Maternal and Perinatal Health. He has also served as Director of the Nuffield Department of Women's and Reproductive Health. His research focuses on all aspects of women's health, including maternal and fetal health, the study of cancer, and reproductive and genetic medicine. In particular, he has been internationally recognized as a leader in the study and treatment of Endometriosis, a gynecological disorder that is estimated to affect nearly 200 million women worldwide.

Throughout his extensive experience he has participated in the design and validation of the Oxford Endometriosis Health Profile tool. This disease-specific assessment was the first to be based on Patient-Reported Outcomes. It therefore uses self-identified data to measure the wide range of consequences that the pathology can produce in women's lives, from physical pain to emotional distress. This tool is used in numerous clinical trials to evaluate the efficacy of medical and surgical treatments.

In addition, he co-leads the INTERGROWTH-21st project, a large-scale multidisciplinary initiative involving health institutions from more than 10 geographically diverse countries. Its goal is to assess fetal and newborn growth under optimal and suboptimal conditions, such as exposure to malaria, HIV and malnutrition.

Dr. Stephen Kennedy has published an extensive list of scientific papers focusing on Reproductive Medicine. In addition, he has served as an Advisor to the World Foundation for Endometriosis Research and has acted as a consultant to several pharmaceutical companies.



## Dr. Kennedy, Stephen

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- ♦ Director of the Institute of Maternal and Perinatal Health, Oxford, United Kingdom
- ♦ Director of the Nuffield Department of Women's and Reproductive Health
- ♦ Professor of Reproductive Medicine, Oxford University
- ♦ Director of the INTERGROWTH-21st Project
- ♦ Research Fellow in Reproductive Medicine
- ♦ Degree in Experimental Psychology from Keble College, Oxford

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

## Management



### Dr. Moliner Renau, Belén

- ♦ Director, Endometriosis Unit at Instituto Bernabeu
- ♦ Head of the Reproductive Medicine Ultrasound Department at Instituto Bernabeu.
- ♦ 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
- ♦ Doctor in Medicine and "Cum Laude" Surgery. 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
- ♦ Master in autoimmune diseases
- ♦ University Certificate of Introduction to Regenerative Medicine: Biology and Applications of Human Stem Cells. University of Valencia





## Professors

### **Dr. Castillo Farfán, Juan Carlos**

- ♦ Gynecologist at Instituto Bernabeu in Alicante. Specialist in reproductive Medicine

### **Dr. Aranda López, Ignacio**

- ♦ Head of Anatomic Pathology Department, Hospital General de Alicante, Spain

### **Dr. Sellers López, Francisco**

- ♦ Director of the Department of Obstetrics and directly responsible for the Ultrasound and Prenatal Diagnosis Section. Instituto Bernabeu.

### **Dra. García Pastor, Irene**

- ♦ Medical Specialist in Radiodiagnosis and head of the Breast Radiology Unit, Hospital Marina Baixa.

### **Dra. Esparza Soria, Alicia**

- ♦ Gynecologist and Obstetrician at Hospital Vithas Internacional Medimar

### **Dra. Martín-Ondarza González, Carmen**

- ♦ Head of the Obstetrics and Gynecology Department, Hospital de Móstoles. Head of the Gynecological Surgery Section, Instituto Bernabeu.

04

# Structure and Content

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



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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. Medical Treatment of Endometriosis

- 1.1. Management of Risk Factors. Modify Lifestyle
  - 1.1.1. Tobacco use
  - 1.1.2. Nutrition
- 1.2. Pain Management with Analgesic Guidelines
  - 1.2.1. COX1 and COX2 Inhibitors
  - 1.2.2. Opioids
  - 1.2.3. Combination
- 1.3. Combined Contraceptives
- 1.4. Progestogens
- 1.5. Dienogest
- 1.6. Danazol
- 1.7. Aromatase Inhibitors
- 1.8. GnRH Agonists
- 1.9. GnRH Antagonists
- 1.10. Treatments under Investigation





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

# 05 Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

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 Re-learning, 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 abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can 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 potential 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

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 simple 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

Over 250,000 physicians have been trained using this methodology, with unprecedented success in all clinical specialties regardless of surgical load. This teaching methodology is developed in a highly demanding environment, with a university student body of high socio-economic profile and an average age of 43.5 years.

*Re-learning 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 multimedia content presentation training Exclusive system 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 & Re-testing

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts: The system termed Learning from an Expert strengthens knowledge and recall capacity, and generates confidence in the face of difficult decisions in the future.



#### 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 Medical Treatment of Endometriosis** guarantees, 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 training and receive your diploma without the hassle of travel or paperwork”*

This **Postgraduate Certificate in Medical Treatment of Endometriosis** contains the most complete and up-to-date educational program on the market.

After passing the evaluation, the student will receive a Postgraduate Certificate from **TECH Technological University**.

This degree contributes to the academic development of the professional and adds a high university curricular value to their training. It is 100% valid in all competitive examinations, labour exchanges and professional career evaluation committees.

Title: **Postgraduate Certificate in Medical Treatment of Endometriosis**

ECTS: **6**

Official Number of Hours: **150**



\*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.



future

health

confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present

online training

development languages

virtual classroom

**tech** technological  
university

**Postgraduate  
Certificate**

Medical Treatment of  
Endometriosis

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

# Postgraduate Certificate

## Medical Treatment of Endometriosis