Postgraduate Certificate
Pathology of the Endometrium, Myometrium and Cervix

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Postgraduate Certificate

Pathology of the Endometrium, Myometrium and Cervix

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

Website: www.techtitute.com/us/medicine/postgraduate-certificate/pathology-endometrium-myometrium-cervix

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01

Introduction

Pathologies of the endometrium, myometrium and cervix can cause devastating effects on the reproductive health of women, causing alterations in menstruation, fertility problems or causing cancer. In this sense, ultrasound is a fundamental tool to perform a non-invasive evaluation of these structures and speed up the treatments of these diseases. Therefore, the ultrasound methods used for these purposes have evolved significantly in recent years, with the aim of preserving the physical integrity of females. So that specialists can know these advances 100% online, TECH has created this program, which will delve into the latest techniques for the diagnosis of myomas or malignant endometrial pathology through ultrasound.

Discover the latest ultrasound advances to detect and treat a wide range of pathologies of the endometrium, myometrium and cervix"

Ultrasound is an essential tool for establishing a rigorous assessment and diagnosis of the various pathologies produced in the endometrium, myometrium and cervix. Through its use, it is possible to optimize the treatment of these diseases, ensuring the effective correct recovery of patients. As a result, the techniques and the ultrasound devices used have undergone a remarkable evolution, allowing their rapid detection. The doctor are obliged to identify these advances in order to avoid lagging behind developments in their sector.

Consequently, TECH has created this Postgraduate Certificate, so that the professionals can acquire the most updated knowledge regarding the approach to the pathology of the Endometrium, Myometrium and Cervix. Along this academic path, they will delve into the latest findings regarding the use of ultrasound to detect and treat malignant myometrial pathology, adenomyosis or diseases affecting the cervix, among other issues.

The Postgraduate Certificate in Pathology of the Endometrium, Myometrium and Cervix is therefore an excellent opportunity to acquire a great update in this area. This program is taught 100% online, which allows students to access the content from anywhere and at the desired time, without restrictions on schedules or travel. In addition, they will benefit from a wide range of textual and multimedia formats, favouring teaching adapted to their academic preferences.

This **Postgraduate Certificate in Pathology of the Endometrium, Myometrium and Cervix** is the most complete and up-to-date scientific program on the market. Its most notable features are:

- Practical cases presented by experts in medicine
- Graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used 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

Delve into advanced ultrasound methods to diagnose and treat diseases such as fibroids or malignant endometrial pathology"

Update yourself in the approach to the Pathology of the Endometrium, Myometrium and Cervix with the greatest educational market study facilities"

Enjoy a syllabus designed by specialists in the field of obstetric and gynaecological ultrasound.

Study from anywhere in the world and 24 hours a day thanks to the 100% online modality presented by the program.

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

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

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Objectives

TECH has designed the Postgraduate Certificate in Pathology of the Endometrium, Myometrium and Cervix with the aim of providing specialists with the latest advances in this field. Over 6 weeks of intensive learning, they will be able to identify cutting-edge ultrasound techniques applied to these diseases. All this is ensured by the achievement of the following general and specific objectives outlined for this program.

Get up to date in the detection of the Pathology of the Endometrium, Myometrium and Cervix by means of this program"

General Objectives

- Get to know in depth the normal gynecological and obstetric ultrasound study, as well as the most used techniques
- Have an in-depth knowledge of the malformations that can be diagnosed in the first trimester of gestation and the ultrasound markers, as well as the invasive techniques and screening for aneuploidy and preeclampsia and the usefulness of fetal DNA in maternal blood
- Study the diagnosable pathology in the third trimester as well as intrauterine growth restriction and fetal hemodynamics, correctly applying maternal-fetal Doppler
- Learn the most important concepts about fetal neurosonography and echocardiography as well as the most relevant pathologies
- Study multiple gestation (monochorionic and bicorionic) and its most frequent complications

Specific Objectives

- Understand and differentiate between benign and malignant endometrial pathology
- Study the usefulness of gynecological ultrasound after an abortion
- Study and differentiate between benign and malignant myometrial pathology
- Learn about the diagnosis of adenomyosis
- Study the most prevalent pathology of the cervix diagnosable by ultrasound
- Learn the most prevalent pathology of the vagina diagnosable by ultrasound
- Understand in depth the basic aspects of gynecologic ultrasound study in pediatric age

Achieve the objectives that TECH has outlined for this program and be at the forefront of obstetric and gynecological ultrasound"

03

Course Management

In order to offer a program with a high academic level, TECH has gathered an excellent group of highly experienced teachers in the field of Obstetric and Gynecological Ultrasound to teach this Postgraduate Certificate. This team is responsible for creating and designing the didactic contents of the program, which ensures that the knowledge acquired by the students will be fully useful in their daily practice.

To provide you with the most up-to-date contents on Endometrial Pathology, Myometrium and Cervix, this program is taught by active experts in Obstetric and Gynecological Ultrasound"

Management

Dr. García-Manau, Pablo

- Obstetrician and Gynecologist at Quirónsalud Hospital in Barcelona
- Assistant Physician of the Gynecology and Obstetrics Service at the University Hospital of Santa Creu i Sant Pau
- Specialist in Maternal-Fetal Medicine
- Specialist in Obstetric Ultrasound and Fetal Echocardiography
- Member of: Catalan Society of Obstetrics and Gynecology (SCOG), Spanish Society of Gynecology and Obstetrics (SEGO)

Professors

Dr. Peró, Marta

- Specialist in Gynecology and Obstetrics at Hospital de la Santa Creu i de Sant Pau
- English-speaking gynecologist with a degree in Medicine and Surgery from the Autonomous University of Barcelona
- Postgraduate Diploma in Gynecological Ultrasound and Pelvic Floor Pathology
- Researcher in Matrix Study: study of the biological properties of a dermal matrix of human origin for its application in pelvic floor reconstruction surgeries
- Member of: Societat Catalana d'Obstetrícia i Ginecologia, Spanish Society of Gynecology and Obstetrics
- Author of 2 scientific articles

Dr. Rams Llops, Noelia

- Assistant Physician in the Gynecology Department at the Hospital de la Santa Creu i Sant Pau with special dedication to Gynecological Ultrasound
- Doctor via MIR at the Hospital de la Santa Creu i Sant Pau with Specialty in Obstetrics and Gynecology
- Training stays at the University Clinic of Navarra and at the UM Hospital in Cagliari. Italy
- Degree in Medicine from the University of Barcelona
- Clinical professor associated with the program service of her specialty
- Member of: SIEGO, ISUOG
- Author of several publications and lectures

Dr. Carmona, Anna

- Specialist in the Gynecology and Obstetrics Service of MútuaTerrassa University Hospital
- Specialist in Pelvic Floor Units, Transgender Medicine and Adolescent Medicine at MútuaTerrassa University Hospital
- Professional Master's Degree in Statistics applied to Medical Sciences at the Autonomous University of Barcelona
- Postgraduate Diploma in the treatment of fibroids with High Intensity Ultrasound, HIFU Chongqing Haifu
- Postgraduate Diploma in Pelvic Floor Ultrasound by the Mútua Terrassa Welfare Foundation

Dr. Ros, Cristina

- Specialist in Gynecological Ultrasound at Barnaclínic and FIVClínic
- Specialist in Gynecology at the Clinical and Provincial Hospital of Barcelona
- PhD in Obstetrics and Gynecology from the University of Barcelona
- Degree in Medicine and Surgery from the University of Barcelona
- Author of several scientific researches in the service of her specialty
- Member of: International Urogynecological Association, International Continence Society, Spanish Society of Gynecology and Obstetrics

Dr. Lecumberri, Carla

- Assistant Physician at the Lecumberri Medical Office
- Assistant Physician in Gynecology and Obstetrics at Germans Trias s i Pujol University Hospital
- Adjunct Specialist in the Generalitat de Catalunya
- Degree from the Autonomous University of Barcelona

Dr. Iglesias, Sara

- Specialist Physician at the Germans Trias i Pujol University Hospital
- Specialist in Gynecology and Obstetrics at the Women's Health Institute Barcelona
- Adjunct Physician at the General Hospital de L'Hospitalet
- Lecturer in academic programs in the service of her specialty

Dr. Delgado Morell, Aina

- Assistant Physician in the Gynecology Department at the Hospital de la Santa Creu i Sant Pau
- Collaborator at the Sant Pau Unit of the Autonomous University of Barcelona.
- Collaborator in clinical research projects on Health, Gender, Biomedical and Gynecological

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Structure and Content

The syllabus of this program has been designed to provide students with the latest advances in the field of endometrial pathology, myometrium and cervix. All teaching resources offered at the Postgraduate Certificate are available in various formats for your convenience, such as videos, readings and interactive summaries. Likewise, the online learning modality allows the professionals to manage their study time at will to combine their teaching with their daily tasks.

The 100% online methodology offered by this program allows you to study without making uncomfortable daily trips to a study center"

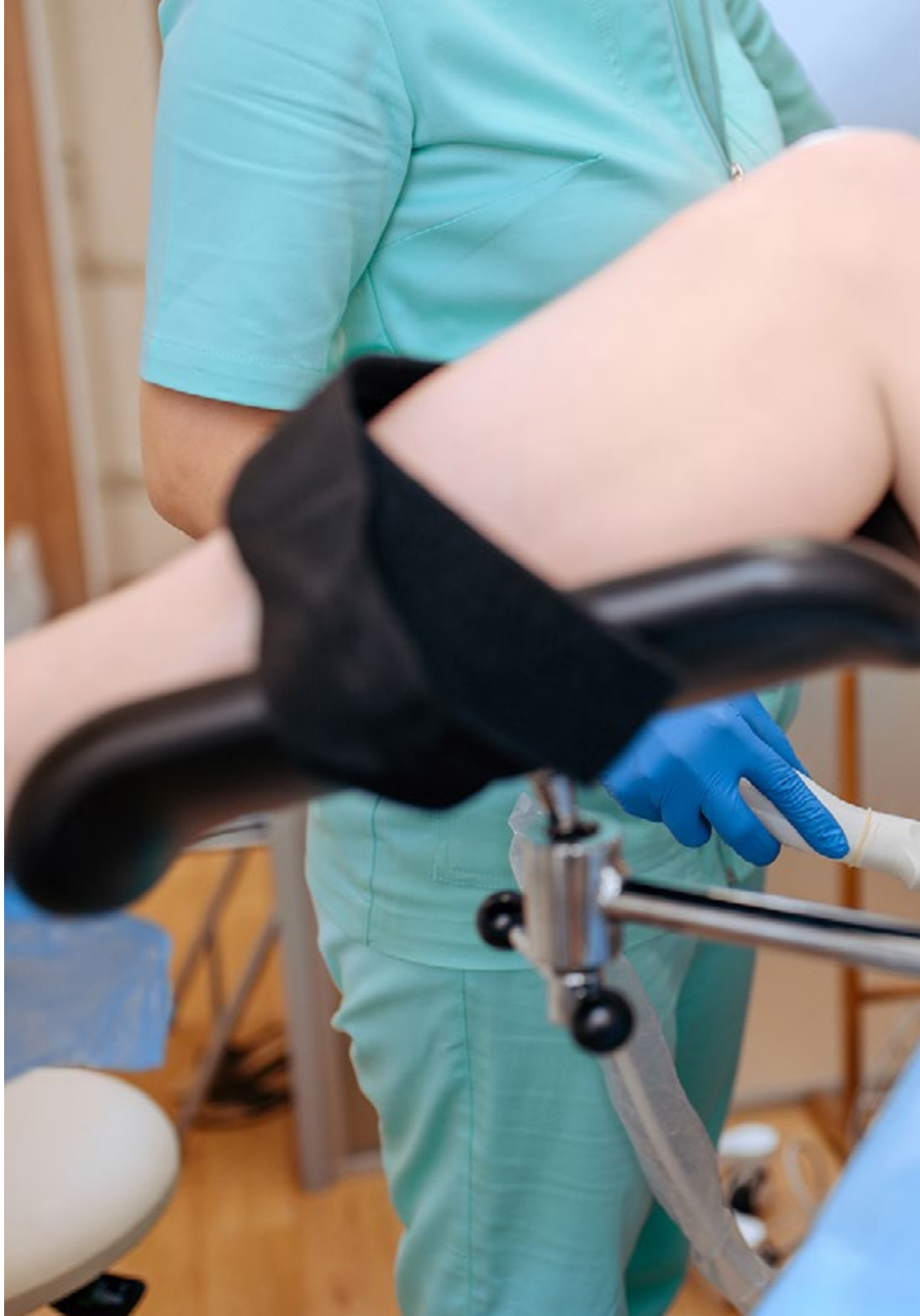
Module 1. Pathology of the Endometrium, Myometrium and Cervix

1.1. Ultrasound in benign endometrial pathology
- 1.1.1. Endometrial ultrasound normality: qualitative and quantitative assessment.
- 1.1.2. Ultrasonography, endometrium and variation with the menstrual cycle
- 1.1.3. Three-dimensional technique in endometrial assessment
- 1.1.4. Description and terminology according to IETA group
- 1.1.5. Ultrasound in the assessment of endometrial hyperplasia
- 1.1.6. Ultrasound in the assessment of endometrial polyps

1.2. Ultrasonography of malignant endometrial pathology
- 1.2.1. Introduction: Endometrial Cancer
- 1.2.2. Ultrasound characteristics of endometrial cancer
- 1.2.3. Systematic local assessment of endometrial cancer.
- 1.2.4. Systematic assessment of extraendometrial disease.
- 1.2.5. Ultrasound in the assessment of recurrence of endometrial cancer.

1.3. Gynecological ultrasound after abortion: Retention of conception debris / Sd. Asherman's syndrome
- 1.3.1. Endometrial ultrasound normality after complete miscarriage
- 1.3.2. Ultrasound in the diagnosis and follow up of the remnants of conception
- 1.3.3. Ultrasound in the assessment and follow-up of uterine synechiae

1.4. Ultrasound in the diagnostic study of fibroids.
- 1.4.1. Definition and general aspects of myomas
- 1.4.2. Types of fibroids: classifications and implications
- 1.4.3. Description and ultrasound classification
- 1.4.4. Types of myoma degeneration
- 1.4.5. Ultrasound Characteristics: Doppler technique and three-dimensional reconstruction
- 1.4.6. Ultrasound monitoring of the patient with uterine myomatosis
- 1.4.7. Differential diagnosis, limitations of the technique and complementary explorations



1.5. Ultrasound in the therapeutic approach to myomas
- 1.5.1. Ultrasound in the treatment of myomas with radiofrequency
- 1.5.2. Ultrasound in the treatment of fibroids with high-frequency ultrasound (HIFU)

1.6. Ultrasonography in the assessment of malignant myometrial pathology
- 1.6.1. General information on malignant myometrial tumors
- 1.6.2. Ultrasound differential diagnosis of uterine sarcomas
- 1.6.3. Limitation of ultrasound in the diagnosis of uterine sarcomas: complementary tests

1.7. Adenomyosis
- 1.7.1. Basic concepts about adenomyosis
- 1.7.2. Ultrasound characteristics of the normal myometrium
- 1.7.3. Ultrasonographic characteristics of adenomyosis using the MUSA system
- 1.7.4. Report of the ultrasound description of the findings in the clinical report
- 1.7.5. Correlation of the pathological anatomy with the ultrasound assessment of the myometrial-endometrial junction
- 1.7.6. Limitations of ultrasound and complementary tests in the diagnosis and follow-up of adenomyosis

1.8. Ultrasound study in the evaluation of the cervix
- 1.8.1. Ultrasound anatomy of the normal cervix
- 1.8.2. Ultrasound characteristics and description of cervical tumors
- 1.8.3. Role of ultrasonography in the initial staging of cervical cancer
- 1.8.4. Role of ultrasonography in extracervical disease in cervical cancer
- 1.8.5. Ultrasonography in the follow-up of the patient with cervical cancer: evaluation of treatment and assessment of recurrences

1.9. Ultrasound study in the assessment of the vagina and vulva
- 1.9.1. Current evidence for ultrasound assessment of the vagina and vulva.
- 1.9.2. Ultrasound applications
- 1.9.3. Systematic technique and findings

1.10. Ultrasound study in pediatric age
- 1.10.1. Introduction to the most frequent pediatric pathology.
- 1.10.2. Normal ultrasound in the pediatric and adolescent patient
- 1.10.3. Recommended routes of approach: advantages and disadvantages
- 1.10.4. Ultrasound of precocious puberty
- 1.10.5. Ultrasonographic findings in intersexuality
- 1.10.6. Hematocolpos secondary to imperforate hymen

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.

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

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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

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

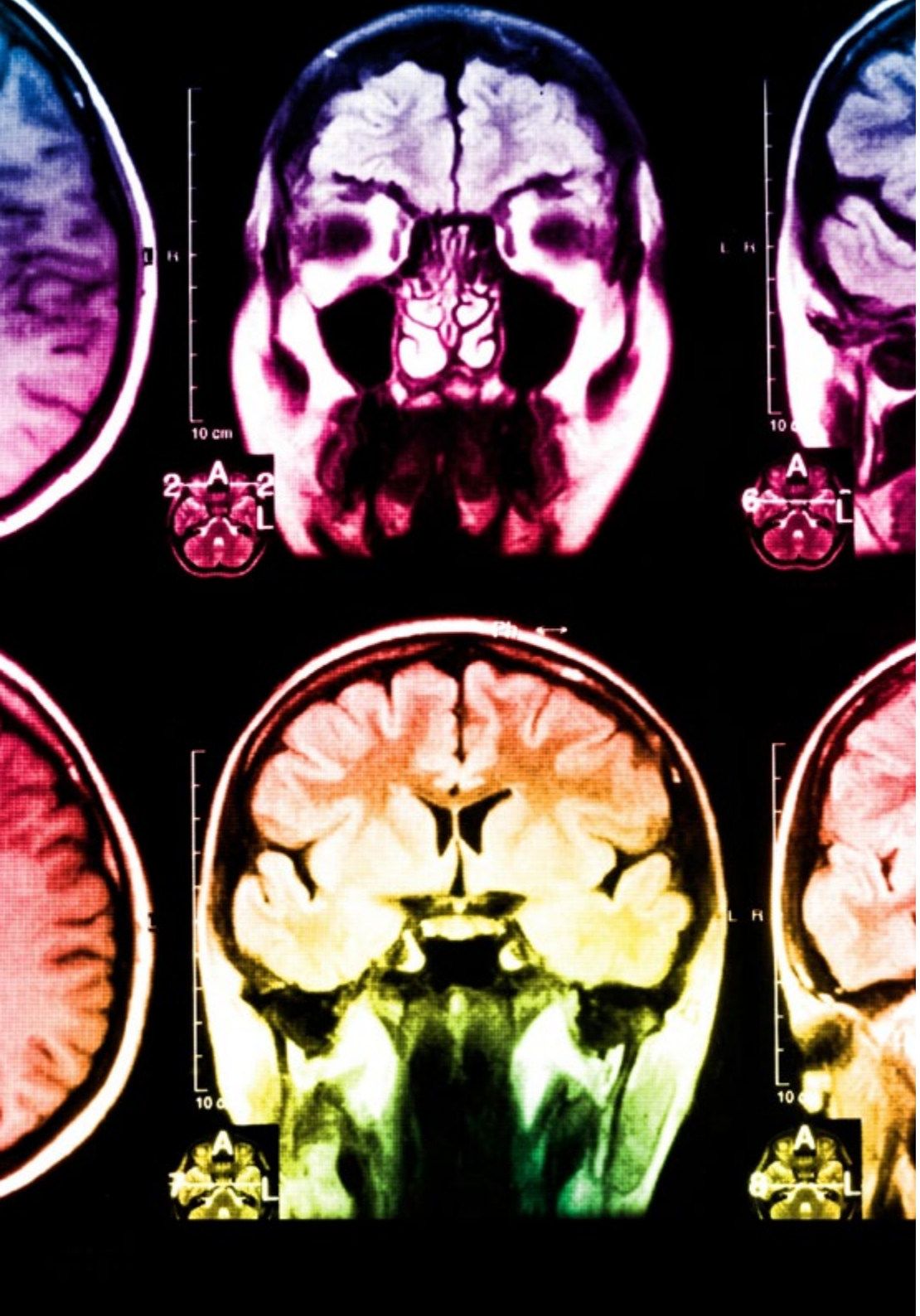
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better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

Relearning Methodology

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

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

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



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

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

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

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

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

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

Study Material

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

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

Surgical Techniques and Procedures on Video

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

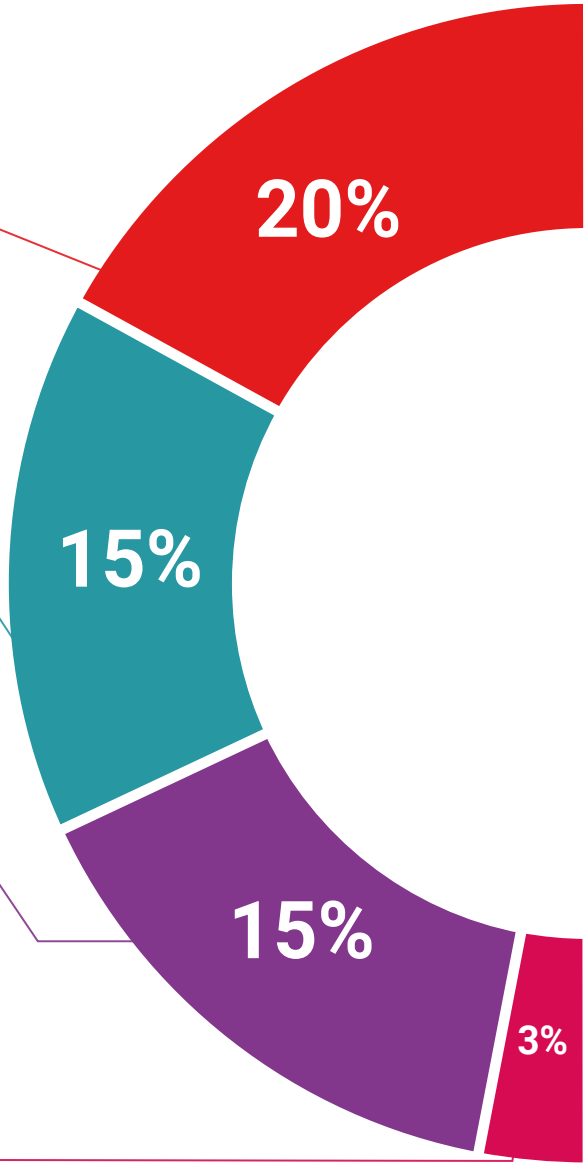
Interactive Summaries

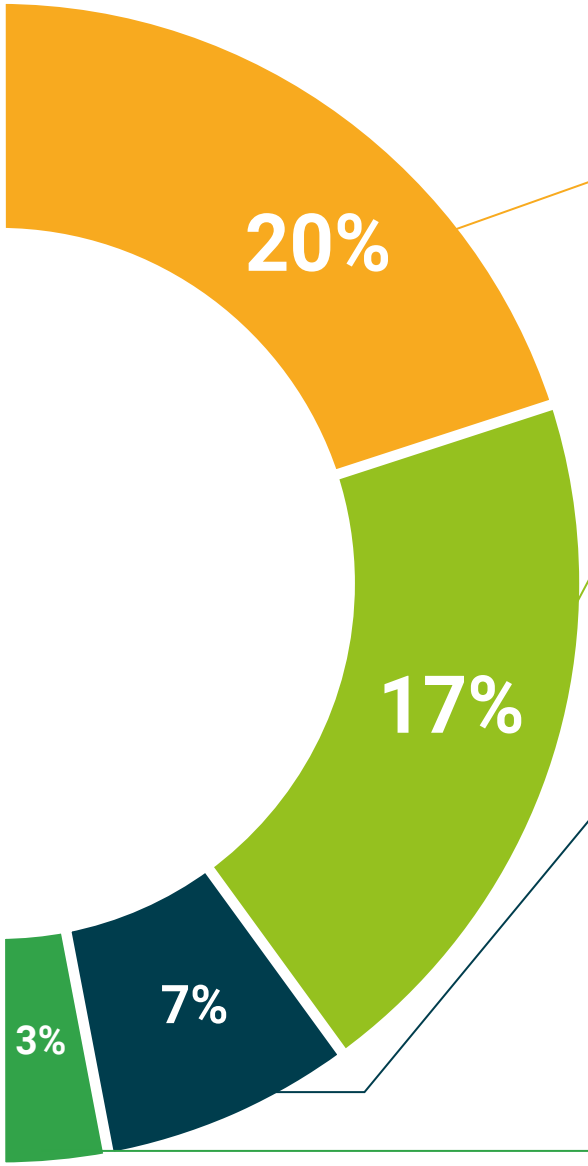
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

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





Expert-Led Case Studies and Case Analysis

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

Testing & Retesting

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

Classes

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

Quick Action Guides

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

06

Certificate

The Postgraduate Certificate in Pathology of the Endometrium, Myometrium and Cervix guarantees students, in addition to the most rigorous and up-to-date education, access to a 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 program will allow you to obtain your **Postgraduate Certificate in Pathology of the Endometrium, Myometrium and Cervix** 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** title 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 Pathology of the Endometrium, Myometrium and Cervix**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

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

Postgraduate Certificate in Pathology of the Endometrium, Myometrium and Cervix

This is a program of 180 hours of duration equivalent to 6 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
Rector

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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Postgraduate Certificate

Pathology of the Endometrium, Myometrium and Cervix

- Modality: **online**
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- Credits: **6 ECTS**
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Postgraduate Certificate

Pathology of the Endometrium, Myometrium and Cervix

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