

Postgraduate Certificate

Reproduction and Pelvic Floor





Postgraduate Certificate Reproduction and Pelvic Floor

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/reproduction-pelvic-floor

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Certificate

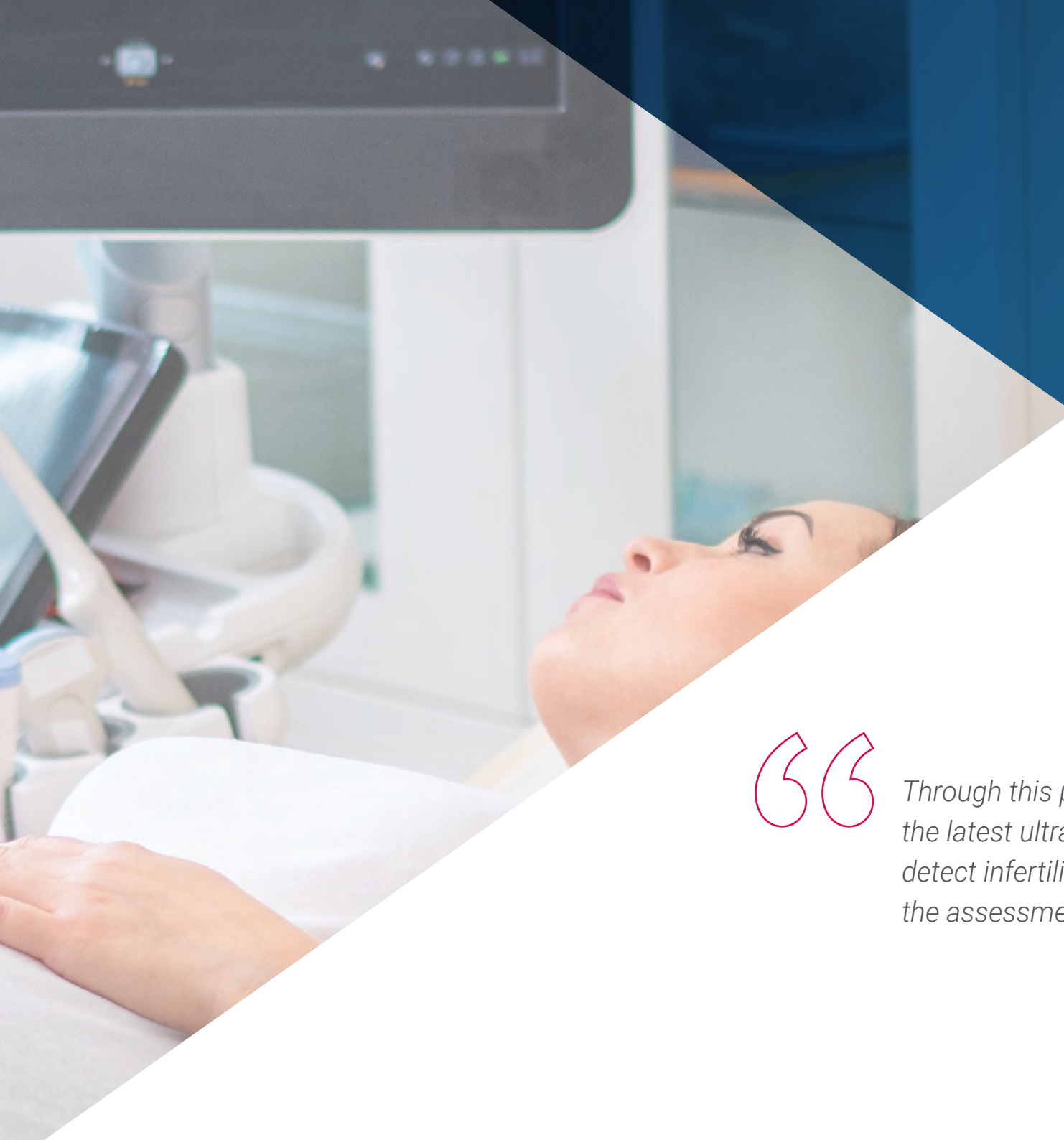
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01

Introduction

The area of management of reproductive pathologies and the female pelvic floor is one of the most complex and changing in medicine due to the incessant technological advances experienced. Therefore, the current challenges in these fields include the need to develop increasingly accurate ultrasound techniques, which offer a higher diagnostic quality and speed up patient treatment. In this context, it is essential for physicians to be aware of the latest findings in this field in order to be at the medical forefront. For this reason, TECH has designed this program, through which the student will identify the cutting-edge ultrasound methods that optimize the detection of infertility or the assessment of genital prolapse, online and without leaving home.





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Through this program, you will learn the latest ultrasound advances to detect infertility problems or establish the assessment of genital prolapse”

According to the latest studies, infertility affects 17% of the world's population. Pelvic floor problems can cause urinary incontinence in 1 in 3 women over the age of 50. These alarming figures have led to the development of ultrasound devices, aimed at providing a rigorous and agile diagnosis of possible pathologies of this nature in order to establish a rapid and effective treatment to increase the quality of life or the reproductive capacity of women. As such, doctors are obliged to be aware of these advances in order to ensure that they are up to date professionally.

In view of this situation, TECH has designed this program, which will provide the specialist with the most updated knowledge regarding the management of reproductive and pelvic floor problems. During 6 weeks of intensive learning, you will be able to delve into the sophisticated methods for diagnosing uterine malformations or delve into the role of current ultrasound in the treatment of reproduction. In addition, you will identify the latest advances in the assessment of obstetric trauma or procedures to establish post-surgical management of pelvic floor surgery.

Because this very complete program is taught in a completely online mode, students will be able to enjoy the program anywhere and 24 hours a day. This methodology offers great flexibility, as specialists can adapt their study schedule to their professional or personal needs and commitments.

This **Postgraduate Certificate in Reproduction and Pelvic Floor** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ The development of practical cases presented by experts in Obstetric and Gynecologic Ultrasound
- ♦ The 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



It delves into the recent advances in diagnosing uterine malformations through this program"

“

This curriculum has been designed by the best specialists in Obstetric and Gynecologic Ultrasound, who have extensive hospital experience behind them”

The program's teaching staff includes professionals from the field who contribute their work experience to this educational 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 learn in 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 academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Get up to date in only 150 hours and with the best study conditions.

Enjoy a complete and interactive learning through the most complete didactic materials in multimedia formats.



02 Objectives

The design of this Postgraduate Certificate has been made with the intention of providing the student with the most updated aspects in the approach to reproductive problems and pelvic floor of women in just 6 weeks. During this academic experience, students will delve into the advances that ultrasound has undergone to detect and treat pathologies of this nature. All this, following a series of general and specific objectives that will ensure your adequate learning of the professional.





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*Become a reference professional
in the field of Medicine in only
6 weeks of updating”*



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 in depth the usefulness of ultrasound in the diagnosis of infertility
- Study the main uterine malformations and their ultrasound diagnosis
- Understand the applications of 3D ultrasound in assisted reproduction and its treatment
- Learn the anatomy of the pelvic floor and its evaluation by ultrasound
- Study the ultrasound diagnosis of the main pelvic floor pathologies, mainly genital prolapse and urinary incontinence



Adopt in your daily practice the latest findings in the approach to reproductive problems and pelvic floor pathologies"

03

Course Management

TECH has assembled a team of highly experienced teachers in the field of Obstetric and Gynecologic Ultrasound to teach this program, with the aim of maintaining a high academic level. These specialists are in charge of designing all the didactic resources that the student will enjoy during the duration of the program, which guarantees that the knowledge acquired by the professionals will be very valuable for their daily work.



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In order to provide you with the most updated knowledge in Reproduction and Pelvic Floor, TECH has appointed a teaching staff composed of the best active specialists in the field"

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) and Spanish Society of Gynecology and Obstetrics (SEGO)

Professors

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. Cassadó, Jordi

- ◆ Care Coordinator of the Obstetrics and Gynecology Service at the University Hospital Mútua Terrassa
- ◆ Vice President of the Pelvic Floor Section of the Spanish Society of Gynecology and Obstetrics (SEGO)
- ◆ Associate Professor of Obstetrics and Gynecology at the University of Barcelona
- ◆ Professor in the International School of Gynecologic Endoscopy (EIDEG)
- ◆ Doctor of Medicine and Surgery, Autonomous University of Barcelona
- ◆ Specialist in Gynecology and Obstetrics

Dr. Mora Hervás, Irene

- ◆ Attending Physician at the Santa Creu i Sant Pau Hospital
- ◆ Doctor of Medicine from the University of Barcelona
- ◆ Specialist in the Diagnosis and Treatment of Pelvic Floor Pathology through the Application of 2D and 3D Ultrasound
- ◆ Postgraduate Diploma in Pelvic Floor Dysfunction Surgery by Vaginal and Laparoscopic Surgery
- ◆ Specialist in the Management of Benign Gynecological Pathology

Dr. López-Quesada, Eva

- ◆ Coordinator of the Obstetrics and Gynecology Service at the MútuaTerrassa University Hospital
- ◆ Specialist in Prenatal Diagnosis and Maternal-Fetal Medicine
- ◆ Doctor from the Autonomous University of Barcelona
- ◆ Postgraduate in Fetal Medicine and in Clinical Genetics and Genomics
- ◆ Member of: Clinical Commission for Quality Control of First Trimester Ultrasound of Catalonia, Catalan Society of Obstetrics and Gynecology (SCOG) and Spanish Society of Gynecology and Obstetrics (SEGO)

Dr. Prada, Elena

- ◆ Specialist in Human Reproduction at the Center for Fertility and Human Reproduction CIRH
- ◆ Specialist in Human Reproduction at the University Hospital MútuaTerrassa
- ◆ Professional Master's Degree in Human Nutrition from the University of Barcelona
- ◆ Professional Master's Degree in Human Reproduction from IVI
- ◆ Postgraduate Diploma in Clinical Genetics and Genomics
- ◆ Member of: Spanish Fertility Society (SEF) and European Society of Human Reproduction and Embryology (ESRET)



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

This program has a syllabus that has been created with the objective of offering specialists the latest innovations in the approach to problems affecting Reproduction and the Pelvic Floor. The didactic materials of this Postgraduate Certificate are available in various formats to provide maximum ease of study to students, including videos, reading materials and interactive summaries. In addition, the online learning system allows professionals to manage their study time at their convenience and to combine their update with their daily responsibilities.



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The fully online methodology offered by this program enables you to study without leaving your home"

Module 1. Reproduction and Pelvic Floor

- 1.1. Ultrasound in the Diagnosis of Infertility
 - 1.1.1. Antral Follicle Count
 - 1.1.2. Screening for Tubal Pathology
 - 1.1.3. Endometrial Pathology Screening
- 1.2. Uterine Malformations
 - 1.2.1. Classification of Uterine Malformations
 - 1.2.2. Differential Diagnosis
 - 1.2.3. T-shaped Uterus
- 1.3. 3D Ultrasound in Reproduction
 - 1.3.1. Introduction
 - 1.3.2. 3D Ultrasound of the Ovary
 - 1.3.3. 3D Ultrasound of the Uterus
- 1.4. Ultrasound in the Treatment of Reproduction
 - 1.4.1. Ultrasonography in Controlled Ovarian Stimulation for IVF
 - 1.4.2. Ultrasonography for Embryo Transfer
 - 1.4.3. Ultrasonography in Programmed Coitus
 - 1.4.4. Ultrasonography in Artificial Insemination
- 1.5. Ultrasound Anatomy of the Pelvic Floor
 - 1.5.1. Normal Ultrasound Anatomy of the Pelvic Floor
 - 1.5.2. Probes and Approach Routes: Pros and Cons of Each of Them
 - 1.5.3. Ultrasound Technique: How to Obtain the Two-dimensional Reference Plane
 - 1.5.4. Dynamic Ultrasound: Rest, Retention and Valsalva in the Different Structures of the Pelvic Floor
 - 1.5.5. Improvement of the Technique: to the Conquest of an Excellent Image Avoiding Artifacts
 - 1.5.6. Three-dimensional Acquisition Technique of the Urogenital Hiatus for the Assessment of the Levator Pellucidis Muscle
 - 1.5.7. Volume Storage and Offline Management





- 1.6. The Role of Ultrasound in the Assessment of Genital Prolapse
 - 1.6.1. Normal Position of the Pelvic Organs: Normal Two-dimensional Ultrasound Plan
 - 1.6.2. Assessment of the Anterior Compartment: Technique and Considerations
 - 1.6.3. Assessment of the Mid-technical Compartment and Considerations
 - 1.6.4. Assessment of the Posterior Compartment: Technique and Considerations
 - 1.6.5. Ultrasound Findings and Therapeutic Implications
- 1.7. The Role of Ultrasound in the Assessment of Urinary Incontinence
 - 1.7.1. Ultrasound Recognition of the Anatomical Structures Involved in Continence
 - 1.7.2. Assessment of Postvoid Residual and its Implications
 - 1.7.3. Assessment of Urethral Slippage and Implications
 - 1.7.4. Ultrasound in the Diagnosis of Stress Urinary Incontinence
 - 1.7.5. Ultrasound in the Diagnosis of Urgency Urinary Incontinence
- 1.8. The Role of Ultrasound in the Assessment of Obstetric Trauma
 - 1.8.1. Transperineal Ultrasound Technique in the Assessment of the Anal Sphincter
 - 1.8.2. Intravaginal Ultrasound Technique in the Assessment of the Anal Sphincter
- 1.9. Usefulness of Ultrasound in the Post-surgical Control of Pelvic Floor Surge
 - 1.9.1. Ultrasound Characteristics of Meshes in Pelvic Floor Surgeries
 - 1.9.2. Ultrasonography in the Post-surgical Follow-up of Incontinence Meshes
 - 1.9.3. Ultrasound in the Post-surgical Follow-up of Prolapse Meshes

“*Enjoy learning materials available in a wide variety of textual and multimedia formats to tailor your study to your own academic needs*”

05

Methodology

This 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. 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.

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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 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.



Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

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 prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational 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 adapted in 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 assess and re-assess 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 Reproduction and Pelvic Floor guarantees, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate diploma issued by TECH Technological University.



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

This **Postgraduate Certificate in Reproduction and Pelvic Floor** 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 diploma 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 Reproduction and Pelvic Floor**

Official N° of Hours: **150 h.**



*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



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Postgraduate Certificate

Reproduction and Pelvic Floor