

Postgraduate Certificate

Women and Endocrinology





Postgraduate Certificate Women and Endocrinology

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/women-endocrinology

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01

Introduction

Conditions such as menopause or gestational diabetes show the vulnerability of women in the field of endocrine disorders, so the specialist must have up-to-date and recent information when dealing with these issues. Of special interest is the climacteric period, a matter for which the specialist must be prepared in case of possible complications such as osteoporosis or various cardiovascular diseases. This university program compiles the main advances that should be taken into account by the specialist seeking an update in women's endocrinology. Prepared by a team of teachers with extensive experience in the field, this academic update is a preferential option for any specialist seeking to combine the professional facet with a more in-depth update.





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*Get up to date on the main news about
amenorrhea, menstrual cycle physiology and
gestational diabetes”*

In the field of Endocrinology, it is of vital importance to know the ailments that especially affect women, since some of them, such as climacteric, hormonal contraception or Pregnancy Endocrinology itself, require a specific and precise approach by the specialist.

It is for this reason that the present program goes deeper into all these issues, adding other topics of special interest such as hyperandrogenism, hyperprolactinemia or polycystic ovary syndrome. All this is taught by a group of teachers with extensive experience in the field of Endocrinology as well as in Obstetrics and Gynecology. This ensures that the specialist obtains a complete and comprehensive view of all topics covered.

In addition, the format of the program is completely online, allowing you to combine it with your most important personal or professional responsibilities. To this end, we have eliminated both fixed schedules and face-to-face classes, giving the specialist the freedom to download the entire syllabus and study it at their own pace.

This **Postgraduate Certificate in Women and Endocrinology** is the most complete and up-to-date educational program on the market. The most important features include:

- ◆ The development of case studies presented by experts in Endocrinology
- ◆ 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
- ◆ Practical exercises where self-assessment can be used to improve learning.
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions for experts and individual reflection work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection

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You will find a high-quality didactic material, up to your highest expectations”

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Update and modernize your knowledge of women's endocrinological pathologies with a modern, cutting-edge syllabus adapted to current clinical reality"

The program's teaching staff includes professionals from the sector who contribute their work 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.

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 student will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will receive personalized attention from the teaching staff, committed to helping you with any questions you may have.

You will choose where, when and how to take on the entire course load, being able to download the entire syllabus from any device with an internet connection.



02 Objectives

The main objective of this Postgraduate Certificate is to offer an update that covers all the clinical and professional needs of the most demanding specialists. For this reason, the entire syllabus has been written in a meticulous manner, providing numerous complementary readings and actual references for each given topic. As a result, the specialist will be able to incorporate the up-to-date knowledge into their daily practice even before completing the degree.



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You will get a complete update in Women and Endocrinology thanks to the effort and commitment of all the teachers in this work"

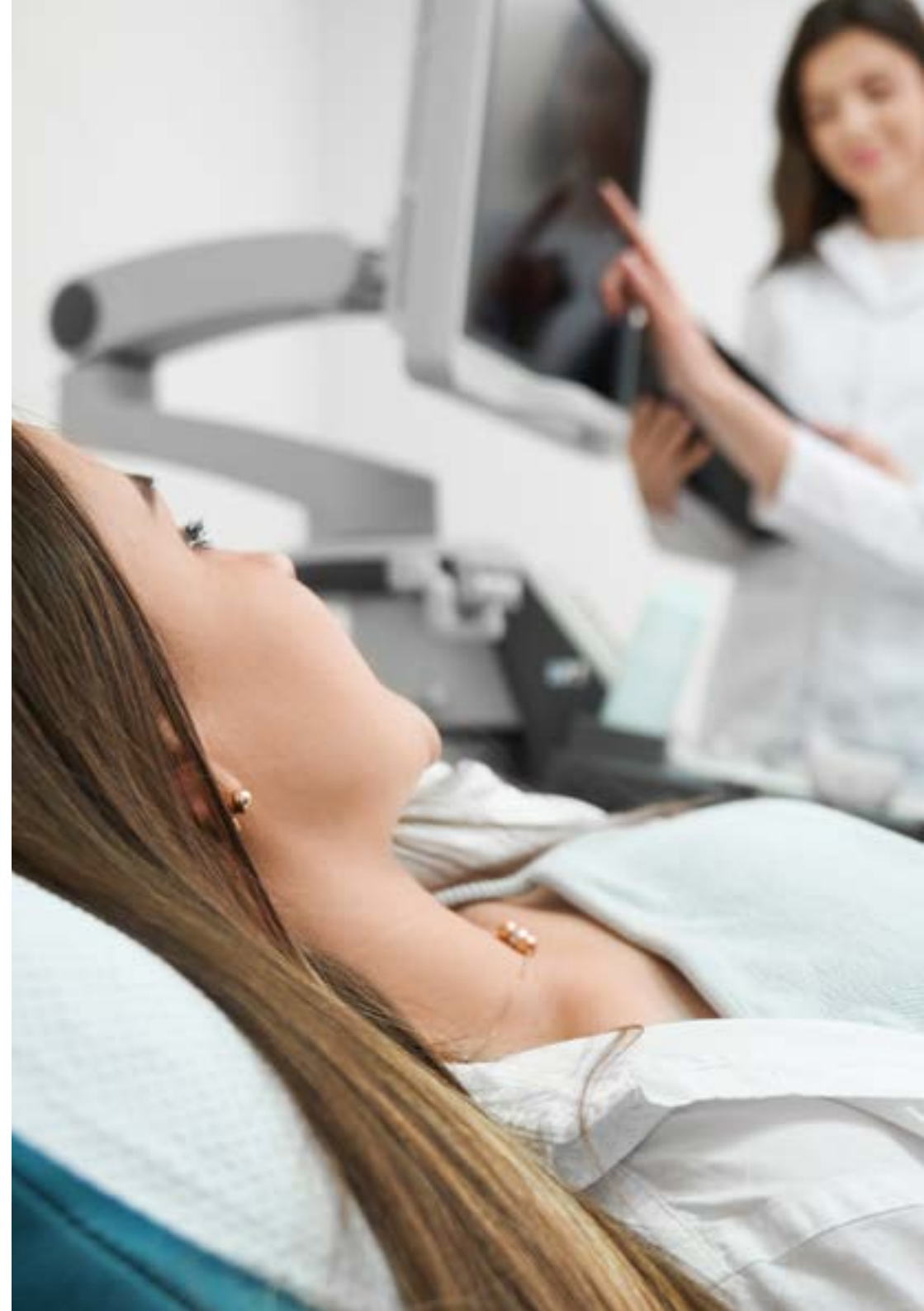


General Objective

- ◆ Be able to accurately interpret currently available clinical information and associate it effectively in clinical practice

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Incorporate into your daily practice the latest advances and developments in Pregnancy Endocrinology, including studies on pituitary, thyroid, sex and placental hormones”





Specific Objectives

- ◆ Deepen the understanding of female sex hormones throughout a woman's life
- ◆ Update on the singularities of endocrinological diseases in pregnant women
- ◆ Review the most important clinical knowledge in human reproduction

03

Course Management

The responsibility for developing all the contents of this Postgraduate Certificate has fallen on a great teaching team, with multidisciplinary experience in dealing with different endocrinological conditions in women. With a perspective from the areas of Internal Medicine, Gynecology and Endocrinology, the specialist obtains a much broader view of all the issues covered throughout the syllabus.





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You can rely on a faculty with a great human, academic and technical quality”

International Guest Director

Awarded on multiple occasions for her contribution to the field of Medicine, Dr. Susan Samson is a prestigious physician highly specialized in **Endocrinology, Diabetes** and **Metabolism**. In fact, she has devoted most of her professional career to optimizing the overall well-being of patients with endocrine disorders, ranging from *Diabetes Mellitus* to Hyperthyroidism.

Therefore, she has carried out her duties in health institutions of international reference such as the Mayo Clinic Hospital in the United States. Among her main achievements, she has developed innovative **evaluation methodologies** based on the latest scientific evidence. This has enabled healthcare professionals to design **personalized** and more effective **treatments**, taking into account the specific needs of each user. At the same time, it has implemented various monitoring programs based on emerging technologies such as **Telemedicine** and even **Artificial Intelligence**. Thanks to this, it has enabled **real-time monitoring** of the clinical status of numerous individuals with **chronic diseases** to improve their quality of life.

On the other hand, she has balanced these tasks with her role as **President of the American Association of Clinical Endocrinology**. In this way, she has contributed significantly to the creation of **care protocols** for people with different conditions. She has also collaborated with regulatory agencies to develop **health policies** to address the optimization of care for patients with long-term conditions.

In her commitment to clinical excellence, she has led several **scientific research** projects in areas ranging from addressing **Pituitary Pathologies** or **Acromegaly** to **Cushing's Disease**. Likewise, these findings have driven advances to maximize the quality of care. In this sense, her work has been rewarded in the form of awards, such as the "Rising Star Award" given by the Baylor College of Medicine for her outstanding leadership.



Dr. Samson, Susan

- ♦ President of the Department of Endocrinology at Mayo Clinic Hospital in Florida, United States
- ♦ President of the American Association of Clinical Endocrinology
- ♦ Director of the Baylor St. Luke's Pituitary Center in Texas
- ♦ Internship in Endocrinology, Diabetes and Metabolism at Baylor College of Medicine
- ♦ M.D. from Queen's University
- ♦ Doctor of Philosophy with specialization in Molecular Biology, University of Calgary
- ♦ Member of the Royal College of Physicians and Surgeons of Canada

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

Management



Dr. Gargantilla Madera, Pedro

- ◆ Chief of Internal Medicine Service of El Escorial University Hospital
- ◆ Professor of the Francisco de Vitoria University
- ◆ Science communicator and regular contributor to various media (RNE, Abc digital, Huftington post, Cinco Noticias)
- ◆ Member of the Association of Medical Writers and Artists (ASEMEYA)
- ◆ Master's Degree in Clinical Unit Management



Professors

Dr. Romero Gaudix, Barbara

- ◆ Specialist in Obstetrics and Gynecology via EIR 2008
- ◆ Degree in Medicine and Surgery from the University of Granada
- ◆ Specialist in Obstetrics and Gynecology at the Virgen de las Nieves University Hospital in Granada
- ◆ Coordinator of the Public Centers Interest Group of the Spanish Fertility Society
- ◆ Author of the Master in Human Infertility and Infertility of the Spanish Society of Gynecology and Obstetrics 2021

Dr. Martín de Francisco, Elisa

- ◆ Medical Specialist in Geriatrics at El Escorial Hospital in Madrid
- ◆ Medical Specialist in Geriatrics at the Infanta Elena Hospital in Valdemoro
- ◆ Degree in Medicine and Surgery from the Complutense University of Madrid
- ◆ MIR in Geriatrics at the Getafe University Hospital

Dr. Cuenca Abarca, Ana

- ◆ Attending Physician of Internal Medicine at El Escorial Hospital
- ◆ Medical Specialist in Internal Medicine at Puerta de Hierro University Hospital
- ◆ Clinical Teaching Collaborator for the Francisco de Vitoria University
- ◆ Medical Degree from the University of Castilla-La Mancha 2003 - 2009
- ◆ PhD in Medicine and Surgery from the Autonomous University of Madrid.

Dr. Albi Rodríguez, Salomé

- ◆ Assistant, Pediatrics Department, 12 de Octubre University Hospital, Madrid
- ◆ University Degree in Medicine and Surgery from the Complutense University of Madrid
- ◆ Doctor in Medicine and Surgery at the Autonomous University of Madrid.
- ◆ Specialty of Pediatrics and Specific Areas

04

Structure and Content

In order to facilitate as much as possible the specialist's study, the program has been created following the pedagogical methodology of Relearning, in which TECH is also a pioneer. With a progressive reiteration of the most important concepts throughout the syllabus, the specialist finds a natural and gradual updating, without having to invest excessive hours of study to understand all the theory given.





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The numerous supplementary readings dedicated to each topic, as well as videos in detail and real clinical cases will help you get up to speed much faster"

Module 1. Women and Endocrinology

- 1.1. Physiology of the Menstrual Cycle
- 1.2. Amenorrhea
 - 1.2.1. Classification
 - 1.2.2. Primary Amenorrhea
 - 1.2.3. Secondary Amenorrhea
- 1.3. Polycystic Ovarian Syndrome and Chronic Anovulation
- 1.4. Hyperandrogenism and Hirsutism
- 1.5. Hyperprolactinemia
- 1.6. Gestational Diabetes
- 1.7. Endocrinology of Pregnancy
 - 1.7.1. Pituitary Hormones
 - 1.7.2. Thyroid Hormones
 - 1.7.3. Sexual Hormones
 - 1.7.4. Placental Hormones
- 1.8. Hormonal Contraception
- 1.9. Hormones and Reproduction
- 1.10. Climacteric
 - 1.10.1. Hormonal Changes
 - 1.10.2. Clinical Manifestations
 - 1.10.2.1. Vasomotor Symptoms
 - 1.10.2.2. Menstrual Alterations
 - 1.10.2.3. Psychological Sphere
 - 1.10.3. Osteoporosis and Menopause
 - 1.10.4. Cardiovascular Diseases and Menopause
 - 1.10.5. Hormone Replacement Therapy





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The interactive work guides and summaries will be useful teaching resources that will save you a lot of valuable time"

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 Women and Endocrinology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Women and Endocrinology** 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 Women and Endocrinology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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- » Modality: online
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- » Exams: online

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