

# Postgraduate Certificate

## Complications in Minimally Invasive Gynecologic Surgery





## Postgraduate Certificate Complications in Minimally Invasive Gynecologic Surgery

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/complications-minimally-invasive-gynecologic-surgery](http://www.techtute.com/us/medicine/postgraduate-certificate/complications-minimally-invasive-gynecologic-surgery)

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# 01

# Introduction

Gynecologic surgery complications with minimally invasive resolution have seen an increase in demand due to the rapid and successful recovery of patients undergoing gynecologic surgery. The increase in gynecological visits due to knowledge about prevention, the importance of self-care, the extensive knowledge about family history and the goal of establishing optimal health patterns have led to an increase in women attending check-ups, and therefore, an increase in the detection of cases in which intervention is needed. For all these reasons, it is essential to have specialized professionals capable of identifying and discerning between the different existing pathologies, and how to act in each specific case.







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*Through this Postgraduate Certificate, you will be able to update your knowledge and specialize in Complications in Minimally Invasive Gynecologic Surgery with the most effective methodology and at your own pace”*

While it is true that medical professionals are prepared to face any challenge in the operating room, there are cases in which complications arise during the procedure, which leads to act quickly to avoid future complications and protect the patient's life. For the gynecology sector it is exactly the same, there are problems during the action protocols, even when these are minimally invasive. Therefore, it is of vital importance that the doctor is able to react in a timely manner, attending to any anomaly and addressing it in the best possible way.

In view of this, TECH has created this program in order to provide professionals with effective action protocols to deal with complications during procedures.

This is a completely online Postgraduate Certificate, where the professional will find the latest updates in the field and new information gathered from the best scientific sources. In addition, it should be noted that the program has high-impact audiovisual resources, based on real cases and simulation.

In this way, this program is presented as an opportunity for professionals who wish to broaden their knowledge in the management of complications in the gynecological area. One of the advantages of this program is that it is not necessary to go to any on-site center, since it is 100% online and can be done from any device with an Internet connection.

This **Postgraduate Certificate in Complications in Minimally Invasive Gynecologic Surgery** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- Development of clinical cases presented by experts in the different specialties
- Its graphic, schematic and practical contents provide scientific and assistance information on those disciplines essential for the professional practice
- Latest developments in Complications in Minimally Invasive Gynecologic Surgery using an algorithm-based interactive learning system for decision-making in the clinical situations presented
- With special emphasis on evidence-based medicine and research methodologies in Complications in Minimally Invasive Gynecologic Surgery
- All of this will be complemented by 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



*Do not miss this unique opportunity to specialize in Complications in Minimally Invasive Gynecologic Surgery”*

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*This Postgraduate Certificate is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge in Complications in Minimally Invasive Gynecologic Surgery you will obtain a certificate issued by TECH Global University”*

It includes, in its teaching staff, health professionals from the field of surgical gynecology, who bring to this program their work experience, as well as renowned specialists belonging to leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, it will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise throughout the program. For this reason, students will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of Gynecology with extensive teaching experience.

*The Postgraduate Certificate includes real clinical cases and exercises to bring the development of the program closer to the gynecologist's clinical practice.*

*Make the most of the opportunity to update your knowledge in Complications in Minimally Invasive Gynecologic Surgery and improve your patient care.*



# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the gynecologist can master in a practical and rigorous way the Complications in Minimally Invasive Gynecologic Surgery.







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*This refresher program will generate a sense of confidence when practicing gynecology and will help you grow both personally and professionally”*



## General Objectives

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- Know all the instruments available to perform endoscopic and hysteroscopic surgery
- Know how to prepare endoscopic operating rooms
- Learn about general aspects such as ergonomics in the laparoscopic and electrosurgical operating rooms to be used in gynecological procedures
- Apply different appropriate techniques in each specific clinical case
- Gain detailed knowledge of female pelvic and abdominal anatomy
- Know how to create a training model (pelvi-trainer) to perform laparoscopic suturing and other exercises, which will lead to the acquisition of dissection and cutting skills
- Learn hysteroscopic techniques and their application in uterine pathology
- Establish a series of alternatives to manage benign ovarian pathology
- Know how to treat benign uterus pathology
- Learn techniques to resolve pelvic floor problems using laparoscopy
- Apply minimally invasive mesh placement
- Learn the to endoscopically manage endometriosis
- Learn different advanced techniques in gynecologic oncology for minimally invasive treatments
- Provide tools to resolve complications in gynecologic endoscopy
- Know financial aspects related to the use of endoscopic techniques
- Learn about new technologies in endoscopy, such as robotic surgery, single-port and mini-laparoscopy
- Understand how laparoscopy improves fertility





## Specific Objectives

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- ◆ Acquire up-to-date knowledge of the procedures to manage vascular lesions using endoscopy
- ◆ Acquire up-to-date knowledge of the procedures to manage intestinal lesions using endoscopy
- ◆ Acquire up-to-date knowledge of the procedures used to manage urological lesions using endoscopy
- ◆ Identify the main characteristics of abdominal wall injuries and complications
- ◆ Explain how to manage complications in radical hysterectomy
- ◆ Select the use of hemostatic agents in endoscopy
- ◆ Foresee the complications derived from pelvic floor meshes
- ◆ Foresee the complications that occur intraoperatively, as well as those that go unnoticed during surgery
- ◆ Determine nervous and other complications, such as pulmonary thromboembolism (PTE), infections, etc.



*Make the most of this opportunity and take the step to get up to date on the latest developments in Complications in Minimally Invasive Gynecologic Surgery"*



# 03

# Course Management

Given that the complications that can arise during a gynecological operation can be difficult to cover, TECH has turned to one of the most prominent experts in the field of Minimally Invasive Surgery in Gynecology to support this Postgraduate Certificate. With international prestige, the teacher has developed a complete Masterclass with which the specialist will be able to delve into the methodology of approach to the most common complications of surgery at the highest level.





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*Continue to delve into Minimally Invasive Gynecologic Surgery relying on the prestige of one of the eminences in the field"*

## International Guest Director

As one of the pioneer surgeons in Brazil by introducing advanced techniques of **Laparoscopic Oncologic Surgery** in Paraná, Dr. Reitan Ribeiro is one of the most prolific experts in this specialty. So much so that he has even received recognition as an **honorary citizen** of the city of Curitiba, highlighting his work in the creation and development of the technique of **Uterine Transposition**.

The IJGC, International Journal of Gynecologic Cancer, has also recognized the outstanding work of Dr. Reitan Ribeiro. His publications on **Uterine Robotic Transposition in Cervical Cancer**, **Uterine Transposition after Radical Trachelectomy** and directed research in the technique of **Uterine Transposition for patients with gynecological cancers who want to preserve fertility** are highlighted. He has received the **National Award for Medical Innovation** for his research in the field of Uterine Transposition, highlighting these advances in the preservation of the patient's fertility.

His professional career is not without success, as he holds numerous positions of responsibility in the prestigious Erasto Gaertner Hospital. He directs the research program in **Gynecologic Oncology** of this center, being also director of the Fellowship program in this specialty, in addition to coordinating the training program in **Robotic Surgery** focused on **Gynecologic Oncology**.

At the academic level, he has completed internships at numerous prestigious centers, including Memorial Sloan Kettering Cancer Center, McGill University and the National Cancer Institute of Brazil. He balances his clinical responsibilities with consulting work for leading medical and pharmaceutical companies, mainly Johnson & Johnson and Merck Sharp & Dohme.



## Dr. Ribeiro, Reitan

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- Director of Research, Department of Gynecologic Oncology, Erasto Gaertner Hospital, Curitiba, Brazil
- Director of the Fellowship Program in Gynecologic Oncology, Erasto Gaertner Hospital
- Director of the Robotic Surgery Training Program, Department of Gynecologic Oncology, Erasto Gaertner Hospital
- Senior Surgeon in the Department of Gynecologic Oncology, Erasto Gaertner Hospital
- Director of the Resident Oncologist Program, Erasto Gaertner Hospital
- Consultant at Johnson & Johnson and Merck Sharp & Dohme
- Degree in Medicine at the Federal University of Health Sciences of Porto Alegre
- Fellowship in Gynecologic Oncologic Surgery, Memorial Sloan Kettering Cancer Center
- Fellowship in Minimally Invasive Surgery, McGill University
- Internships at Governador Celso Ramos Hospital, National Cancer Institute of Brazil and Erasto Gaertner Hospital
- Certification in Oncologic Surgery by the Oncologic Surgery Society of Brazil

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

# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of qualification in the medical practice of Complications in Minimally Invasive Gynecologic Surgery, aware of the relevance of current education in order to be able to act before the patient with gynecologic surgical pathology and committed to quality teaching through new educational technologies.





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*This Postgraduate Certificate in Complications in Minimally Invasive Gynecologic Surgery contains the most complete and up-to-date scientific program on the market”*

## Module 1. Complications in Minimally Invasive Surgery

- 1.1. Access and Abdominal Wall Complications
  - 1.1.1. Arterial Wall Injury
  - 1.1.2. Vascular Lesions upon Entry
  - 1.1.3. Intestinal Lesions upon Entry
  - 1.1.4. Port-of-Entry Herniation
  - 1.1.5. Infections
  - 1.1.6. Others
- 1.2. Intraoperative Vascular Complications
  - 1.2.1. Prevalence and Etiology
  - 1.2.2. Resolution
  - 1.2.3. Postoperative Aftercare
- 1.3. Intraoperative Intestinal Complications
  - 1.3.1. Prevalence and Etiology
  - 1.3.2. Resolution
  - 1.3.3. Postoperative Aftercare
- 1.4. Urologic Complications
  - 1.4.1. Prevalence and Etiology
  - 1.4.2. Resolution
  - 1.4.3. Postoperative Monitoring
- 1.5. Nerve Complications
- 1.6. Inadvertent Complications
- 1.7. Complications Specific to Radical Hysterectomy
- 1.8. Complications Arising from the Meshes
- 1.9. Other Complications: Lymphoceles, Infections, Pulmonary Thromboembolism (PTE), etc.





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



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. 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 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 Complications in Minimally Invasive Gynecologic Surgery 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 private qualification will allow you to obtain a **Postgraduate Certificate in Complications in Minimally Invasive Gynecologic Surgery** 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** private qualification 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 Complications in Minimally Invasive Gynecologic Surgery**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom



## Postgraduate Certificate Complications in Minimally Invasive Gynecologic Surgery

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online



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