

# Postgraduate Certificate Hysteroscopic Surgery





## Postgraduate Certificate Hysteroscopic Surgery

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/hysteroscopic-surgery](http://www.techtute.com/us/medicine/postgraduate-certificate/hysteroscopic-surgery)

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# 01

# Introduction

Hysteroscopic surgery is a procedure by which the professional can perform visualization of the cervix, see its interior and the openings of the fallopian tubes in order to study the forms and functions of the endometrium. This particular study has been placed at the top of this increasingly required work sector. The increase in the number of gynecologic visits is due in part to the existence of greater knowledge about prevention and its importance. On the other hand, concern for family history and for establishing optimal health patterns means that women are driving more and more women to attend check-ups. 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.



A close-up photograph of a surgical site. A gloved hand is visible, holding a metal instrument. The tissue is reddish and appears to be part of a surgical procedure. The background is dark, possibly a surgical drape.

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*Prioritize your education to provide an excellent and quality service to your patients. Enroll in this Postgraduate Certificate in Hysteroscopic Surgery and specialize now"*

In-depth knowledge of hysteroscopic and laparoscopic surgery are essential for optimal surgical application. With a simple instruction and application, but with not so many specialized professionals in the sector, most centers are looking for professionals qualified to perform these specific tasks. For this reason TECH proposes an online course with which the professionals will be able to update their knowledge through a new syllabus and a methodology that allows them to balance their daily tasks and at the same time improve in their professional field.

The growing application of laparoscopic procedures has reached a point where practically 95% of gynecological surgery interventions can be performed by minimally invasive surgery, so that the updating of new techniques is vital for the proper care of patients. In addition to all this, there is the constant development of new instrumental material with new utensils that must be known for greater surgical efficiency and obtaining better clinical results.

Therefore, within this program the physician will find a compendium of audiovisual resources that will provide an immersive experience of the highest quality, and that will in turn provide renewed scientific information. In this way, the professional who wishes to complete the program will acquire rigorous knowledge to meet the current demand of the medical sector.

This **Postgraduate Certificate in Hysteroscopic 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
- 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
- The latest developments in Endoscopic Surgery in Gynecologic Oncology using an algorithm-based interactive learning system for decision making in the clinical situations presented throughout the course
- With a special emphasis on evidence-based medicine and research methodologies in Endoscopic Surgery in Gynecologic Oncology
- 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



*Improve your knowledge with a study methodology that fits your schedule. Don't miss this unique opportunity"*

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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 Hysteroscopic Surgery, you will obtain a certificate issued by TECH Global University"*

Forming part of the teaching staff is a group of professionals in the area of surgical gynecology, who bring to this course their work experience, as well as a group of renowned specialists, recognized by esteemed scientific communities.

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

*Make the most of the opportunity to update your knowledge in Hysteroscopic Surgery and improve your patient care.*



02

# Objectives

The main objective of the program is to develop both theoretical and practical learning, so professionals can master surgery studies in a practical and rigorous way in Hysteroscopic 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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- ♦ Get to 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, in order 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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- Prepare the material for diagnostic and surgical hysteroscopy
- Update the new technological advances in hysteroscopy, such as morcellators, lasers and endometrial ablation systems
- Describe the tools to perform hysteroscopy in the office
- Acquire up-to-date knowledge of the literature on advances in hysteroscopy
- Explain advanced techniques, such as malformation treatment or hysteroscopic myomectomy
- Improve success rate in consultation
- Acquire up-to-date knowledge of the indications for office or surgical hysteroscopy
- Learn the latest developments in hysteroscopic surgery
- Acquire skills to resolve hysteroscopic complications, typical of the technique, such as perforations or vasovagal syndrome
- Identify the different techniques used in uterine morcellation and myoma morcellation laparoscopically in a watertight manner to avoid the possibility of dissemination in case of uterine sarcoma
- Select the different endoscopy applications within the different modalities of complexity in hysterectomy
- Acquire up-to-date knowledge of the use of laparoscopy in uterine malformations and their resolution
- Incorporate the advances of the laparoscopic neovagina technique
- Incorporate theoretical knowledge related to vaginal vault dehiscence
- Identify the different types of uterine mobilizers
- Acquire up-to-date knowledge of the evaluation procedures for pelvic floor defects
- Acquire up-to-date knowledge of procedures to manage ectopic pregnancy using laparoscopy
- Acquire up-to-date knowledge of procedures to manage ovarian torsion using laparoscopy
- Acquire up-to-date knowledge of the procedures to manage pelvic infections using laparoscopy
- Establish the strategy to adequately access the abdominal cavity
- Describe the process of taking an exploratory biopsy and abdominal cytology using laparoscopy
- Acquire up-to-date knowledge of the laparoscopic management of ovarian remnant syndrome
- Update the procedures to manage uterine fibroids
- Establish the strategy to reduce bleeding in laparoscopic myomectomy



*Take the opportunity and get up to date on the latest developments in Hysteroscopic Surgery”*

03

# Course Management

In order to guarantee the highest quality of all the contents included in this program, TECH Global University has turned to one of the most renowned national experts in Minimally Invasive Surgery in Gynecology. His extensive experience in all types of interventions, including Hysteroscopic Surgery, gives a distinctive plus of quality to the content, which is also reinforced by a *masterclass* of great impact.



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*Access a detailed masterclass  
with the latest surgical procedures  
in Hysteroscopic Surgery”*

## 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, Erastus 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 of the implications of training in daily medical practice of Hysteroscopic Surgery, aware of the relevance of current education to be able to act before the patient with gynecological surgical pathology and committed to quality teaching through new educational technologies.







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*This Postgraduate Certificate in Hysteroscopic Surgery, contains the most complete and up-to-date scientific program on the market”*

## Module 1. Hysteroscopic Surgery

- 1.1. Introduction to Hysteroscopic Surgery
- 1.2. Organization of an Outpatient Hysteroscopy Consultation
- 1.3. Hysteroscopy Equipment and Instruments in Consultation
  - 1.3.1. Peculiarities of the Hysteroscopy Tower
  - 1.3.2. Types of Diagnostic Hysteroscopes
  - 1.3.3. Types of Instruments
- 1.4. Hysteroscopy in Consultation
  - 1.4.1. Indications for In-Consultation Hysteroscopy
  - 1.4.2. In-Consultation Hysteroscopy Technique
  - 1.4.3. How to Increase Success Rate
- 1.5. Surgical Hysteroscopy
  - 1.5.1. Surgical Hysteroscopies Indications
  - 1.5.2. Peculiarities of the Procedure in the Operating Room
- 1.6. Systematic Endometrial Exploration and Biopsy
- 1.7. Hysteroscopic Polypectomy
- 1.8. Foreign Body Removal (IUD, Essures)
- 1.9. Hysteroscopic Myomectomy
  - 1.9.1. Limits to In-Consultation Interventions
  - 1.9.2. Types of Hysteroscopic Morcellators
  - 1.9.3. Suitable Techniques
- 1.10. Resection of Septum and Intracavitary Malformations
- 1.11. Intratubal Devices
- 1.12. Endometrial Ablation
  - 1.12.1. Resectoscope Use
  - 1.12.2. Novasure and Other Devices
- 1.13. Complications and Post-Procedural Management in Hysteroscopy
  - 1.13.1. Uterine or Cervical Perforation
  - 1.13.2. Infections

- 1.13.3. Vasovagal Syndrome
  - 1.13.4. Bleeding
  - 1.13.5. Postoperative Pain
  - 1.13.6. Hyperosmolar Syndrome
  - 1.13.7. Others
- 1.14. New Developments in Hysteroscopy
    - 1.14.1. Using Monopolar Energy vs. Bipolar Energy
    - 1.14.2. Use of Laser in Hysteroscopy
    - 1.14.3. Other Developments



*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 Hysteroscopic 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 Hysteroscopic 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 Hysteroscopic Surgery**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*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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