

# Postgraduate Certificate

## Palliative Care and Nutrition in Gynecologic Cancer





## Postgraduate Certificate Palliative Care and Nutrition in Gynecologic Cancer

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 7 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/palliative-care-nutrition-gynecologic-cancer](http://www.techtute.com/us/medicine/postgraduate-certificate/palliative-care-nutrition-gynecologic-cancer)

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# 01

# Introduction

In some cases, palliative treatment is the only option available for women with cancer. Both nutritional recommendations and palliative care techniques support this process, and specialists must keep up to date with the latest developments in these areas. This program is designed to update the specialist in palliative care and nutrition of the oncology patient in a practical and adapted to their needs.





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*New developments in gynecologic oncology drive us to develop new programs that meet the real needs of experienced professionals, so that they can incorporate new advances into their daily practice”*

The management of the final stages of oncological disease, both from a nutritional and palliative point of view, is essential to improve the quality of life of patients. Continuous updates in knowledge increase the resources available to us to alleviate the suffering and anxiety that palliative patients may experience, which is not only essential from a medical standpoint, but it is also the most humane course of action.

It is essential for the specialist physician to be up to date with new therapies in gynecologic oncology, since the breadth and precision of advances that are constantly being discovered and published must be transferred to daily medical practice.

This program is aimed at providing the professional with an update on the management of female tumor pathology.



*You will be able to learn about the latest advances in Palliative Care and Nutrition in Gynecologic Cancer using the latest educational technology”*

This **Postgraduate Certificate in Palliative Care and Nutrition in Gynecologic Cancer** contains the most complete and up-to-date program on the market. Its most notable features are:

- ♦ The examination of clinical cases, presented by specialists in Gynecologic Oncology and other disciplines
- ♦ 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
- ♦ An update on new palliative procedures for oncologic pathology.
- ♦ Methods for monitoring and management of the adverse effects of therapies
- ♦ Nutritional recommendations for oncology patients
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ 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

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*This Postgraduate Certificate may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge of Palliative Care and Nutrition in Gynecological Cancer, you will obtain a diploma from TECH University of Technology"*

Its teachers include a team of leading gynecologists who bring their experience to this program, as well as renowned specialists in other medical areas.

The multimedia content developed with the latest educational technology will provide the physician 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 specialist must try to solve the different professional practice situations that arise throughout the program. To do this, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of gynecologic oncology with extensive teaching experience.

*Incorporate the latest developments in the Epidemiology and Diagnosis of Endometrial Cancer into your medical practice and improve the prognosis of your patients.*

*It includes clinical cases and real images in high definition to bring clinical practice as close as possible to the development of the program.*





# 02 Objectives

The main objective is to incorporate advances in gynecologic oncological pathology, ensuring that the specialist can update their knowledge in a practical way, with the latest educational technology and adapting the educational process to their real needs.





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*This refresher program will provide you with the skills for confident decision-making in female oncology, and will help you to grow professionally"*



### General Objective

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- Update the specialist on new oncological therapeutic procedures for women, with an emphasis on Palliative Care and Nutrition in Gynecologic Cancer.

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*Seize this opportunity and take the next step to get up to date on the latest developments in Palliative Care and Nutrition in Gynecologic Cancer”*





## Specific Objectives

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- ♦ Recognize and understand the molecular bases of carcinogenesis as well as its development and metastasis production
- ♦ Define the basis of cellular growth regulation.
- ♦ Understand the role of carcinogens in the formation of genital cancer.
- ♦ Gain up-to-date knowledge of cancer genetics.
- ♦ Understand the cellular mechanisms of programmed cell death and apoptosis and their relationship and activity with malignant pathology
- ♦ Interpret the mechanisms of cancer production and distant metastasis at a molecular level.
- ♦ Identify the origins of genetic alterations that provoke cancer.
- ♦ Identify the epigenetic changes and oncogenes related with genital tract tumor pathology
- ♦ Explain the mechanisms tumor neoformation in blood vessels.
- ♦ Recognize respiratory symptomatology, such as that caused by pleural effusion, in the treatment of gynecologic cancer.
- ♦ Study and understand the basis of palliative care and terminal phase of an oncological illness
- ♦ Evaluate the usefulness of PET-CT for the assessment of metabolism in suspected malignant lesions.
- ♦ Gain up-to-date knowledge of gastrointestinal symptomatology.
- ♦ Identify the distant metastasis and assess how to manage it.
- ♦ Describe the indications and the surgical technique specific to palliative pelvic exenteration.
- ♦ Comprehensive care of a dying patient and learning how to help them in the final phase of the disease.
- ♦ Study and treat patients with anxiety and depression in a specific way.

03

# Course Management

Including renowned international directors, all the content of this program is focused on the most current clinical practice. In this way, the specialist will have access to a privileged teaching content, enriched with a multitude of real examples and practical cases analyzed. In this way, the most outstanding advances in Gynecologic Oncology can be incorporated into daily practice, endorsed by recognized experts with multiple recognitions and accumulated clinical merits.



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*Get up-to-date with the latest advances in  
Gynecologic Oncology, supported by the  
experience of leading specialists in the field"*



## International Guest Director

Dr. Anil K. Sood is a leading gynecologic oncologist and scientist internationally recognized for his contributions to the study and treatment of **Ovarian Cancer**. In this regard, he has served as **Vice Chair of Translational Research in the Departments of Gynecologic Oncology and Cancer Biology** at The University of Texas MD Anderson Cancer Center, where he has also served as **Co-Director of the RNA Interference and Non-Coding RNA Center**. In addition, he has directed the **Blanton-Davis Multidisciplinary Ovarian Cancer Research Program** and co-led the **Ovarian Cancer Moon Shot Program**. In fact, his research focus has been on Cancer Biology, with emphasis on **Angiogenesis, Metastasis and RNAi Therapy**.

He has also pioneered the development of new strategies for the delivery of **interfering RNA (siRNA)** in cancer treatments, achieving significant advances in the creation of targeted therapies for targets previously considered “untreatable”. His research has also addressed the influence of **Neuroendocrine Stress on tumor growth** and the **mechanisms of resistance to anticancer treatments**. This research has allowed crucial advances in the understanding of how the **tumor microenvironment and neural effects** impact the progression of **Gynecologic Cancer**.

He is the recipient of multiple awards, including the **Research Professor Award from the American Cancer Society** and the **Claudia Cohen Research Foundation Prize for Outstanding Researcher in Gynecologic Cancer**. In turn, he has contributed more than **35 book chapters** and numerous peer-reviewed **scientific publications**, as well as filing **11 patents and technology licenses**. In short, his work has been instrumental in **academia and clinical practice**, where he has continued to share his expertise as an invited **lecturer and leader in Gynecologic Cancer research**.





## Dr. Sood, Anil K.

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- Vice Chair of Translational Research at MD Anderson Cancer Center, Texas, United States
- Co-Director of the Center for RNA Interference and Non-Coding RNA at MD Anderson Cancer Center
- Director of the Blanton-Davis Multidisciplinary Ovarian Cancer Research Program
- Co-Director of the Ovarian Cancer Moon Shot Program
- Fellow in Gynecologic Oncology at the University of Iowa Hospitals
- Doctor of Medicine from the University of North Carolina
- Member of: American Society for Clinical Investigation (ASCI), American Association for the Advancement of Science (AAAS) and Association of American Physicians (AAP)

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

## International Guest Director

Dr. Allan Covens is an international eminence in the field of **Gynecologic Oncology**. Throughout his distinguished professional career, the Postgraduate Diploma has investigated **germ cell tumors, Gestational Trophoblastic Disease, Cervical Cancer**, as well as radical and reconstructive surgical techniques. In particular, he is a reference for his medical innovations that, after different types of surgeries, aim at preserving the fertility of patients. Thanks to these contributions, he has accumulated more than 32 awards and grants.

In addition, this eminent specialist has performed **live interventions in several continents**, also taking his medical contributions to nearly 30 countries around the world through lectures. He is also the author of more than 135 peer-reviewed publications and has participated in 16 textbooks on Gynecologic Oncology. Another of his works is a DVD/book on **advanced laparoscopic techniques** in this field of women's health.

In turn, Dr. Covens has chaired the **Division of Gynecologic Oncology at the University of Toronto and Sunnybrook Health Sciences Centre**. At the latter institution, he directed his fellowship to train potential scientists for 13 years. He also serves on the board of the Global Curriculum Review Committee and coordinates the Rare Tumor Committee. He is also a member of MAGIC, a **multidisciplinary team developing protocols for malignant germ cell tumors**.

In addition, this distinguished scientist is on the **editorial board of the journal Cancer** and reviews articles for **Lancet Oncology, Gynecologic Oncology, International Journal of Gynecologic Cancer**, among many other specialized publications.



## Dr. Covens, Allan

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- Director of the Division of Gynecologic Oncology at the University of Toronto.
  - Advisor to Moi University, Eldoret, Kenya.
  - Past President of the International Gynecologic Cancer Society (IGCS)
  - Advisor to the Editorial Board of the journal Cancer
  - Specialist in Obstetrics and Gynecology from the University of Western Ontario
  - Medical Degree from the University of Toronto
  - Research Fellowship in Gynecologic Oncology at the University of Toronto
  - McMaster's Degree in Gynecologic Oncology
- Member of: Rare Tumor Committee, Gynecology, Cervical and Gestational Trophoblastic Committee of the NRG Postgraduate Certificate in Treatment and Management of Uterine Sarcoma



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## 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 figures 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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- Research Director, Gynecologic Oncology Department - Erasto Gaertner Hospital - Brazil
- Director of the Fellowship Program in Gynecologic Oncology at the Erasto Gaertner Hospital.
- Director of the Robotic Surgery Training Program of the Gynecologic Oncology Oncology Department of the Erasto Gaertner Hospital.
- Senior Surgeon in the Department of Gynecologic Oncology, Erastus Gaertner Hospital.
- Director of the Resident Oncologist Program at the Erasto Gaertner Hospital.
- Consultant at Johnson & Johnson and Merck Sharp & Dohme
- Degree in Medicine at the Federal University of Porto Alegre
- Fellowship in Gynecologic Oncologic Surgery at 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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# 04

## Structure and Content

The structure of the syllabus has been designed by a team of professionals knowledgeable about the implications of medical training in the therapy of the oncological process, aware of the relevance of the current specialization and committed to quality teaching through new educational technologies.





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*This Postgraduate Certificate in Palliative Care and Nutrition in Gynecologic Cancer contains the most complete and up-to-date program on the market”*

### Module 1. Biological Basis of Cancer

- 1.1. Cell Growth Regulation
- 1.2. Carcinogenesis and Carcinogens
- 1.3. Genetics of Cancer
- 1.4. Mechanisms of Apoptosis and Programmed Cell Death
- 1.5. Molecular Mechanisms of Cancer Production and Metastasis
- 1.6. Origin of Genetic Alterations
- 1.7. Epigenetic Changes and Oncogenes
- 1.8. Angiogenesis

### Module 2. Palliative Care and Nutrition

- 2.1. Introduction
  - 2.1.1. Symptomology Associated with Gynecologic Tumors
- 2.2. Pain
- 2.3. Gastrointestinal Symptoms
  - 2.3.1. Diarrhea
  - 2.3.2. Constipation
  - 2.3.3. Malignant Intestinal Obstruction
    - 2.3.3.1. Conservative Treatment
    - 2.3.3.2. Surgical Management
- 2.4. Ascites
- 2.5. Respiratory symptoms.
  - 2.5.1. Pleural Effusion
- 2.6. Edema
- 2.7. Anorexia and Weight Loss
- 2.8. Deep Vein Thrombosis





- 2.9. Pelvic Disease Progression
  - 2.9.1. Vaginal Bleeding
  - 2.9.2. Fistulas.
- 2.10. Palliative Pelvic Exenteration
- 2.11. Metastasis of Other Organs
  - 2.11.1. Liver
  - 2.11.2. Brain
  - 2.11.3. Bone
    - 2.11.3.1. Hypercalcemia
- 2.12. Anxiety and Depression
- 2.13. Dying Patient Care



*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. 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

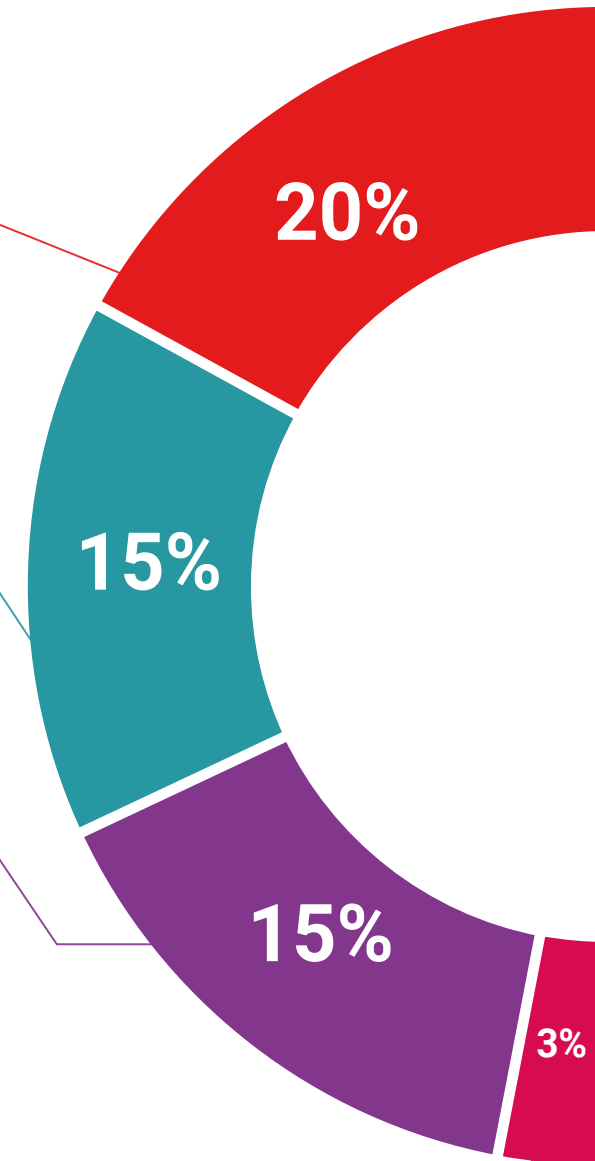
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.







# 06 Certificate

The Postgraduate Certificate in Palliative Care and Nutrition in Gynecologic Cancer 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 Palliative Care and Nutrition in Gynecologic Cancer** 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 Palliative Care and Nutrition in Gynecologic Cancer**

Modality: **online**

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Accreditation: **7 ECTS**





**Postgraduate Certificate**  
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in Gynecologic Cancer

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