

Postgraduate Diploma

Ovarian Cancer





Postgraduate Diploma Ovarian Cancer

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

Website: www.techtitute.com/pk/medicina/experto-universitario/experto-cancer-ovario

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01

Introduction

Ovarian cancer is the fourth most frequent cancer of gynecologic origin in the world; however, it is the most lethal. Therefore, professionals must have comprehensive expertise and be able to manage this pathology. This program offers specialists the opportunity to update their knowledge in a practical way using the latest educational technology tailored to their needs.



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New circumstances in gynecologic oncology have pushed us to develop new educational programs that meet the real needs of experienced professionals, so that they can incorporate new advances into their daily practice"

The fact that the Ovarian Cancer mortality rate is so high makes the disease a problem for women and a public health risk.

As most of these ovarian tumors are detected in advanced stages of the disease, the survival rate is only about 30% of cases. Those from the ovaries and fallopian tubes have a peculiarity: they are the tumors with the greatest influence and variability in prognosis with respect to the way they are treated. This makes a thorough understanding of the disease and the correct application of treatments the basis for increasing the survival and cure rates of patients with the disease.

This program is oriented to achieve the updating of the procedures of action for the patient with ovarian cancer. In addition, thanks to this program the student will be able to conceptually manage both the bases of tumor biology and specific medical treatments, as well as the rest of the aspects related to the diagnosis and treatment of ovarian cancer in women.

“*This Postgraduate Diploma will allow you to learn about the latest advances in Ovarian Cancer, using the latest educational technology*”

This **Postgraduate Diploma in Ovarian Cancer** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- The examination of clinical cases, recorded with POV (*Point of View*) systems from different angles, presented by experts in gynecology 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
- Presentation of practical workshops on procedures and techniques.
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- Action protocols and clinical practice guidelines, which cover the most important latest developments in this specialist area.
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- Special emphasis on test-based medicine and research methodologies in oncology
- Content that is accessible from any fixed or portable device with an Internet connection

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This Postgraduate Diploma may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge on Ovarian Cancer you will obtain a Postgraduate Diploma issued by TECH Technological University"

Incorporate the latest developments in the approach to Ovarian Cancer into your daily practice and improve the prognosis of your patients.

Seize this opportunity and take the next step to get up to date on the latest developments in ovarian cancer treatments"

The teaching staff includes a team of renowned gynecologists and oncologists, who bring their professional experience to this program, in addition to recognized specialists belonging to leading scientific societies.

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 an immersive training program 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 Postgraduate Diploma. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of gynecology and oncology with extensive teaching experience.



02 Objectives

The main objective is oriented to allow the incorporation of the advances that are taking place in the approach to ovarian oncological processes in women, 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 Postgraduate Diploma will provide you with a sense of assurance when making decisions about Ovarian Cancer, and will help you grow both professionally”



General Objective

- Update the specialist's knowledge of the procedures and techniques used in Ovarian Cancer, incorporating the latest advances in the discipline to increase the quality of their daily medical practice.

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Make the most of this opportunity and take the next step to get up to date on the latest developments in Ovarian Cancer”





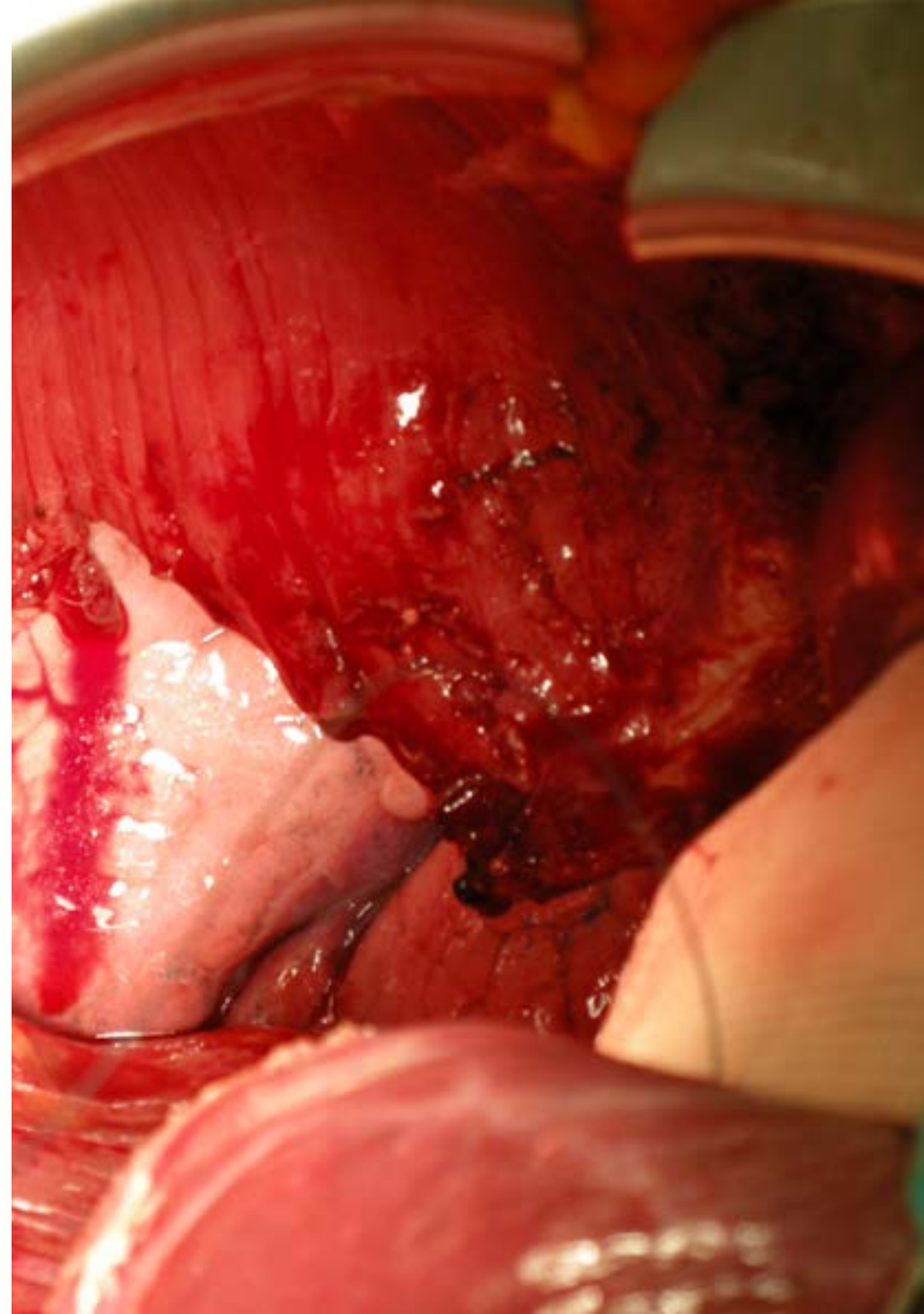
Specific Objectives

Module 1. Biological Basis of Cancer

- ♦ 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

Module 2. Basis of Chemotherapy Treatment, Adverse Effects and New Therapies

- Identify the essentials for the use of chemotherapy in gynecologic oncology as well as adverse effects and complications
- Identify the basic factors that are involved in chemotherapy treatment
- Highlight the influence of chemotherapy in the cellular cycle
- Identify the action mechanisms of antineoplastic agents
- Recognize the mechanisms for the resistance of medical treatments in gynecologic cancer
- Gain up-to-date knowledge of toxicity and side effects
- Review the available antineoplastic drugs and their characteristics
- Identify cases in which patient observation can be used without using adjuvant treatment
- Understand the role of new tests such as positron emission tomography for cervical cancer
- Evaluate the role of tumor markers such as SCC
- Update the role of laparoscopy in the performance of radical hysterectomy and para-aortic staging lymphadenectomy for non-early tumor stages
- Evaluate the use of medical and surgical therapy in metastatic, recurrent or persistent illness
- Study and analyze the postoperative care of patients to identify any complications early on
- Appropriately assess the role of chemotherapy in gestational trophoblastic disease
- Manage the progression of pelvic tumor disease in the most effective way



Module 3. Ovarian Cancer I

- ♦ Identify patients at risk of ovarian cancer and perform a precise preoperative diagnosis
- ♦ Review the epidemiology and etiopathogenesis of ovarian and fallopian tube cancer
- ♦ Review the possibilities of screening by ultrasound and the tumor markers for the early detection of ovarian cancer
- ♦ Establish the new criteria for pathological and molecular classification of ovarian cancer
- ♦ Evaluate the different clinical manifestations, highlighting the value of ultrasound, magnetic resonance imaging and scanning in the diagnosis of ovarian cancer
- ♦ Analyze the role of tumor serological markers CA125, CA19.9, CEA, HE4 and other rare tumor serological markers in ovarian cancer
- ♦ Specifically analyze the role of complete cytoreduction and its prognostic implications
- ♦ Analyze the role of interval surgery in ovarian cancer and establish the most appropriate adjuvant chemotherapy steps and biological treatments for each case
- ♦ Identify the possibilities available for the follow-up of patients with ovarian cancer
- ♦ Analyze the controversies on the management of ovarian and fallopian tube cancer

Module 4. Ovarian Cancer II

- ♦ Apply the most appropriate surgical or chemotherapy treatment for each case of ovarian cancer
- ♦ To evaluate STIC tubal lesions as precursors of ovarian cancer
- ♦ Gain up-to-date knowledge on hereditary-familial ovarian cancer and new predisposing genetic mutations
- ♦ Indicate the distinct pathological types of ovarian and fallopian tube cancer and relate them to the different diagnostic tests for studying the extension and initial diagnosis of each one
- ♦ Classify the different types of ovarian cancer according to the FIGO classification and determine the general surgical procedures of approach
- ♦ Evaluate when a patient should preferentially receive neoadjuvant chemotherapy for ovarian cancer
- ♦ Analyze the role of radiotherapy and hormone therapy in endometrial cancer
- ♦ Review and gain up-to-date knowledge on intraperitoneal chemotherapy treatments and hyperthermic therapy in ovarian and peritoneal cancer

Module 5. Fertility Preservation

- ♦ Determine the different fertility preservation techniques in young patients and their oncological implications
- ♦ Identify the options for preserving fertility in gynecologic cancer, as well as gamete preservation
- ♦ Revise the surgical techniques for preserving fertility in each of the cancers affecting the female genital tract
- ♦ Update on the management of pregnant patients with gynecologic cancer
- ♦ Review new options for preserving ovarian tissue
- ♦ Gain up-to-date knowledge on the current status of uterine transplantation and the most recent results obtained to date

Module 6. Palliative Care and Nutrition

- ♦ 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. 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

- 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



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

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

- 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 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.



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

04

Structure and Content

The structure of the syllabus has been designed by a team of professionals with knowledge of the implications of medical training in the approach to gynecologic oncology, who are aware of the relevance of the up-to-date specialization, and are committed to quality teaching using new educational technologies.





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This Postgraduate Diploma in Ovarian Cancer contains the most complete and up-to-date scientific 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. Basis of Chemotherapy Treatment, Adverse Effects and New Therapies

- 2.1. Introduction
- 2.2. Justification for the Use of Chemotherapy
- 2.3. Development of Cancer and the Influence of Chemotherapy
 - 2.3.1. Tumor Growth
 - 2.3.2. Cellular Cycle
 - 2.3.3. Specific Drugs for each of the Cellular Phases
- 2.4. Factors that Influence Treatment
 - 2.4.1. Tumor Characteristics
 - 2.4.2. Patient Tolerance
 - 2.4.3. Treatment Objectives
 - 2.4.4. Pharmacological Factors and Administration Routes
- 2.5. Principles of Resistance to Drugs
- 2.6. Combined Therapies
- 2.7. Treatment or Dosis Adjustments
- 2.8. Drug Toxicity
- 2.9. General Management of Secondary Effects and Complications of Chemotherapy
- 2.10. Antineoplastic Agents in Gynecology
 - 2.10.1. Alkylating Agents
 - 2.10.2. Antibiotics
 - 2.10.3. Antimetabolites
 - 2.10.4. Plant Alkaloids

- 2.10.5. Topoisomerase 1 Inhibitors
- 2.10.6. Antiangiogenic Drugs
- 2.10.7. PARP Inhibitors
- 2.10.8. Tyrosine Kinase Inhibitors
- 2.10.9. Other Drugs

- 2.11. Future Indications

Module 3. Ovarian Cancer I

- 3.1. Epidemiology of Ovarian and Fallopian Tube Cancer
- 3.2. Etiopathogenesis and tubal origin, new trends
- 3.3. Precancerous Lesions in the Fallopian Tubes
- 3.4. Ovarian Cancer Screening
- 3.5. Hereditary Carcinoma and How to Evaluate It
- 3.6. Histological Forms and Pathological Anatomy
- 3.7. Diagnostic Process
 - 3.7.1. Clinical Symptoms
 - 3.7.2. Ultrasound
 - 3.7.3. Computerized Tomography
 - 3.7.4. Magnetic Resonance
 - 3.7.5. Positron Emission Tomography
- 3.8. Serum Tumor Markers
 - 3.8.1. CA-125
 - 3.8.2. HE4
 - 3.8.3. CA 19-9
 - 3.8.4. CEA
 - 3.8.5. Other Markers
- 3.9. FIGO Classification of the Disease

Module 4. Ovarian Cancer II

- 4.1. General Surgical Treatment
- 4.2. Complete Cytoreduction and Primary Debulking
- 4.3. Neoadjuvant Treatment and When to Opt for It
- 4.4. Interval and Second Look Treatments
- 4.5. Adjuvant Therapy: Carboplatin-Taxol and Other Options
- 4.6. Radiotherapy: What Role Does it Play?
- 4.7. Hormonal Therapy Possibilities in Ovarian Cancer
- 4.8. Prognosis and Disease-Free Interval
- 4.9. Monitoring and Treatment of Relapses
- 4.10. Controversies in the Management of Ovarian Cancer
- 4.11. Peritoneal Carcinomas Hyperthermic Therapy
- 4.12. Intraperitoneal Chemotherapy, Indications and Results

Module 5. Fertility Preservation

- 5.1. Indications of Fertility Preservation
- 5.2. Gametes Preservation
- 5.3. Role of Assisted Reproduction Techniques
- 5.4. Conservative Surgical Treatment
- 5.5. Oncological Prognosis after Fertility Conservation
- 5.6. Reproductive Results
- 5.7. Dealing with Pregnant Women with Gynecologic Cancer
- 5.8. New research paths and literature updates
- 5.9. Conservation of Ovarian Tissue
- 5.10. Uterine and Gonadal Tissue Transplantation

Module 6. Palliative Care and Nutrition

- 6.1. Introduction
 - 6.1.1. Symptomology Associated with Gynecologic Tumors
- 6.2. Pain
- 6.3. Gastrointestinal Symptoms
 - 6.3.1. Diarrhea
 - 6.3.2. Constipation
 - 6.3.3. Malignant Intestinal Obstruction
 - 6.3.3.1. Conservative Treatment
 - 6.3.3.2. Surgical Management
- 6.4. Ascites
- 6.5. Respiratory symptoms.
 - 6.5.1. Pleural Effusion
- 6.6. Edema
- 6.7. Anorexia and Weight Loss
- 6.8. Deep Vein Thrombosis
- 6.9. Pelvic Disease Progression
 - 6.9.1. Vaginal Bleeding
 - 6.9.2. Fistulas.
- 6.10. Palliative Pelvic Exenteration
- 6.11. Metastasis of Other Organs
 - 6.11.1. Liver
 - 6.11.2. Brain
 - 6.11.3. Bone
 - 6.11.3.1. Hypercalcemia
- 6.12. Anxiety and Depression
- 6.13. Dying Patient Care

05 Methodology

This program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

At TECH, we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. 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 assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

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

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

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

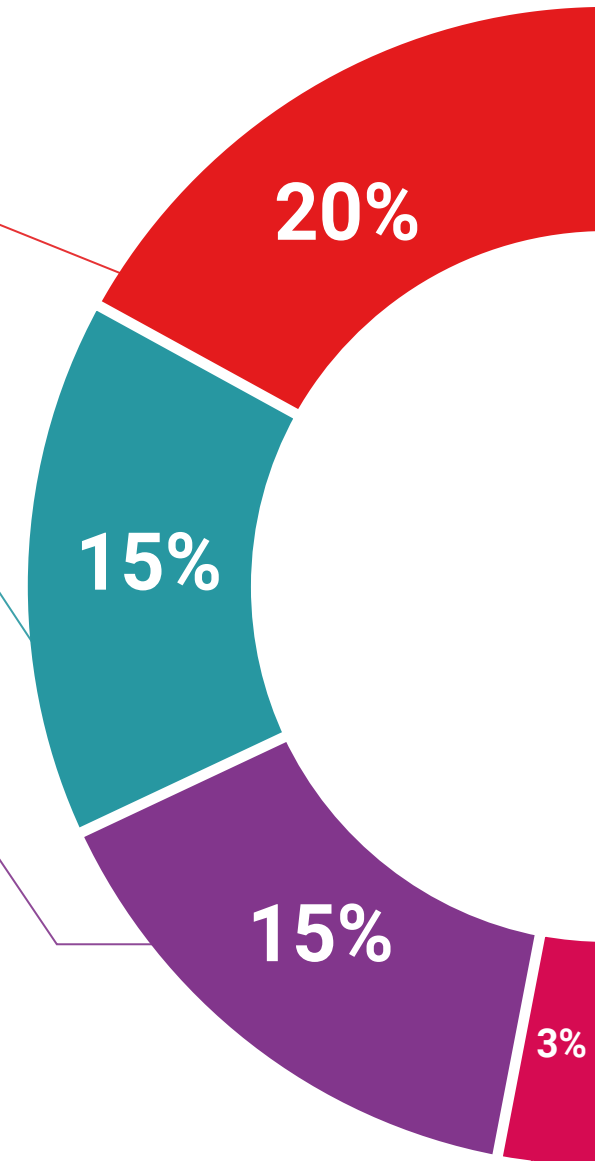
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

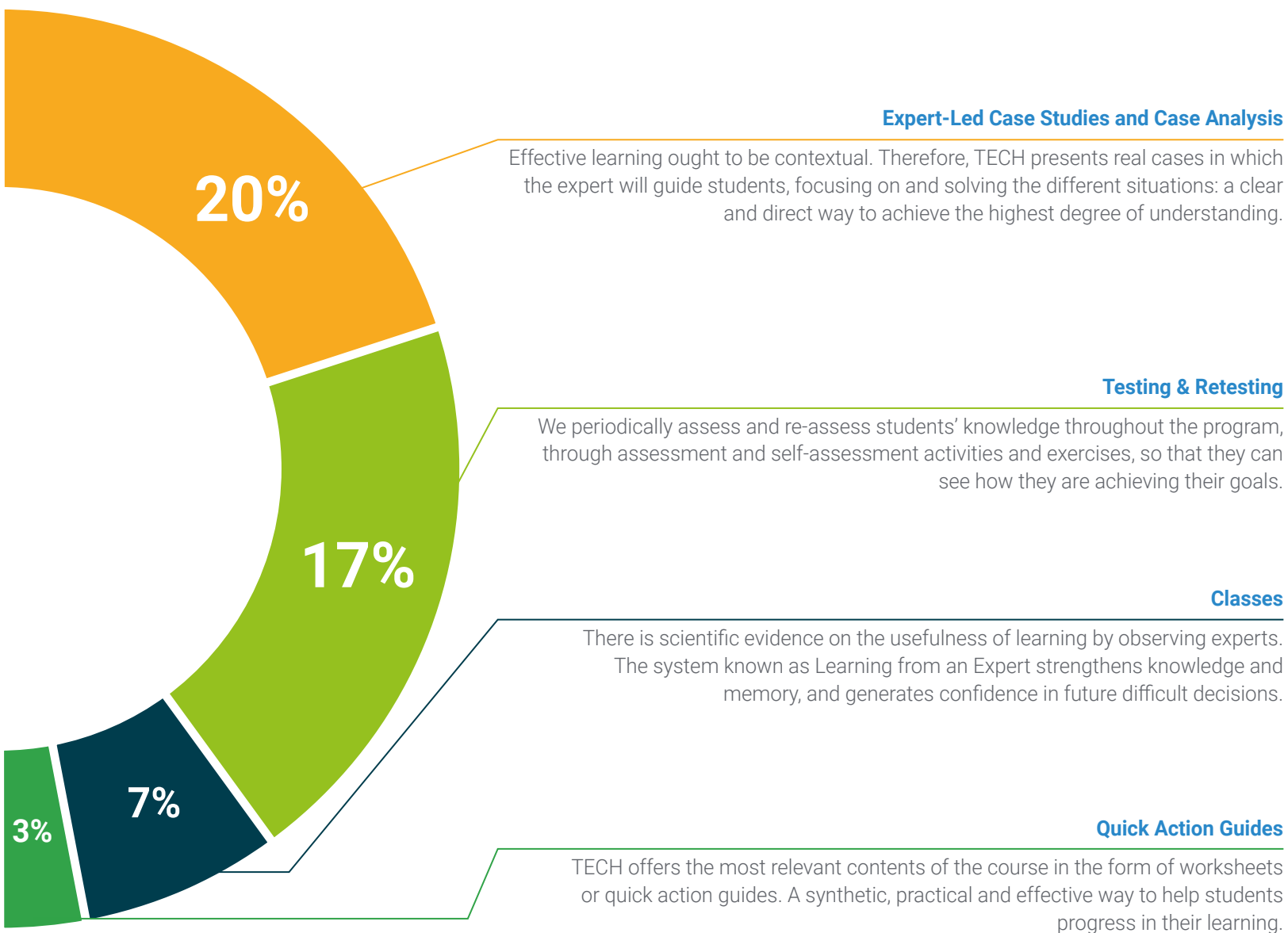
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





06 Certificate

The Postgraduate Diploma in Ovarian Cancer guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



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

This **Postgraduate Diploma in Ovarian Cancer** contains the most complete and up-to-date scientific program on the market.

After passing the assessments the students will receive the corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Ovarian Cancer**

Official N° of Hours: **550 hours**.





Postgraduate Diploma Ovarian Cancer

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

Postgraduate Diploma

Ovarian Cancer