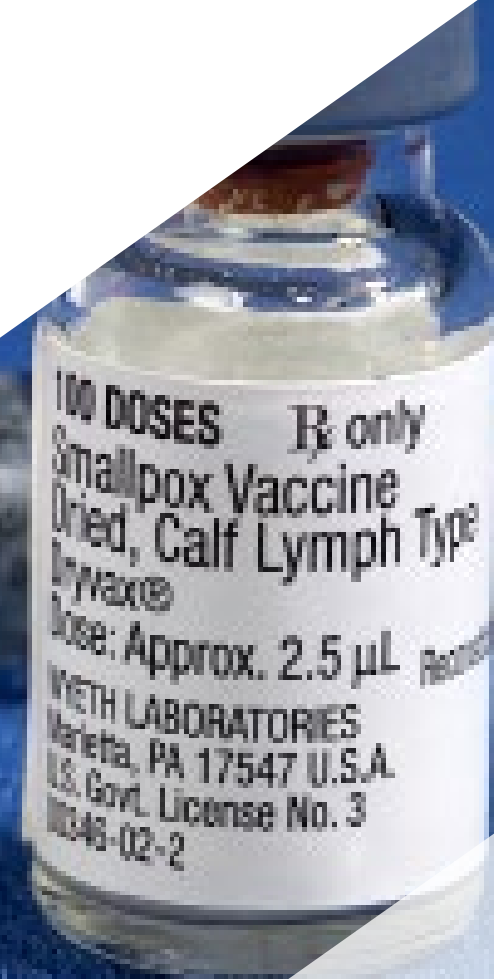


# Postgraduate Certificate Cervical Cancer Vaccine





## Postgraduate Certificate Cervical Cancer Vaccine

Course Modality: **Online**

Duration: **2 months.**

Certificate: **TECH Technological University**

**9 ECTS Credits**

Teaching Hours: **225 hours.**

Website: [www.techtute.com/in/medicine/postgraduate-certificate/cervical-cancer-vaccine](http://www.techtute.com/in/medicine/postgraduate-certificate/cervical-cancer-vaccine)

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01

# Presentation

The Human Papillomavirus is the most common sexually transmitted disease in the world today. Its consequences can be extremely serious, even leading to death. Vaccination has become the most effective method of prevention in this disease. But its use, as is usual in this type of therapeutic proposals, is not without controversy. In this training program we present you with the latest advances and theories on the cervical cancer vaccine.



A microscopic image of tissue, likely a histological section, showing several layers of cells with prominent nuclei. The image is partially obscured by a diagonal blue and white graphic element.

“

*We present the most specific and specialized course on this very important and controversial topic of the cervical cancer vaccine. Training you can't do without"*

With this high intensity training course, we offer you the possibility to include the most specific knowledge in this area of work in your clinical practice. Training that is perfectly compatible with your personal and professional life, with an eminently practical format, allowing you to immediately apply your newly acquired knowledge into your medical practice.

During this comprehensive Postgraduate Certificate, the student will have the opportunity to acquire the necessary basic knowledge to face situations that arise in patients suspected of having contracted HPV. From the moment of diagnosis and the development of the guidelines that the specialist must follow, to the information on procedures or attitudes to eradicate in this medical practice, the student will learn to integrate new techniques and the most advanced procedures in this discipline into their work.

What distinguishes this course from others, is its eminent practical vision. This approach has been implemented in all the teaching materials that the student will use during their training. Our goal: to enable you to start applying what you have learned immediately in your work.



*With a practice-focused vision, this innovative training approach will allow you to offer your patients the most up-to-date and concrete information"*

This **Postgraduate Certificate in Cervical Cancer Vaccine** offers you the advantages of a high-level scientific, teaching, and technological course. These are some of its most notable features:

- ♦ Latest technology in online teaching software.
- ♦ Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- ♦ Practical cases presented by practising experts.
- ♦ State-of-the-art interactive video systems.
- ♦ Teaching supported by telepractice.
- ♦ Continuous updating and recycling systems.
- ♦ Self-regulating learning: full compatibility with other occupations.
- ♦ Practical exercises for self-evaluation and learning verification.
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums.
- ♦ Communication with the teacher and individual reflection work.
- ♦ Availability of content from any fixed or portable device with internet connection.
- ♦ Banks of complementary documentation permanently available, even after the course.

“

*It incorporates the most advanced knowledge in different situations occurring in the patient with HPV, through highly effective online learning. The most practical, useful and efficient way to update your knowledge on this subject"*

Our teaching staff is composed of medical professionals and practising specialists. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of professors with training and experience in different environments, who will develop the theoretical knowledge in an efficient way, but, above all, will bring their practical knowledge derived from their own experience to the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodology used in the design of this course. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

*The most outstanding aspect of our educational formula is the possibility of hands-on learning, even while learning remotely: a challenge that we have achieved and that provides our students with the best results.*


*Observing the expert in the process of performing the task, triggers brain mechanisms similar to those activated when performing the same activity: this is the principle of the high efficiency of our "learning from an expert".*



02

# Objectives

This program aims to train highly qualified professionals for the workplace. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise course.



STD'S



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*Our goal is yours: to provide you with the best online training and specialization course in the Cervical Cancer Vaccine on the market. A highly qualified step, from the hands of the best professionals in this specialty”*



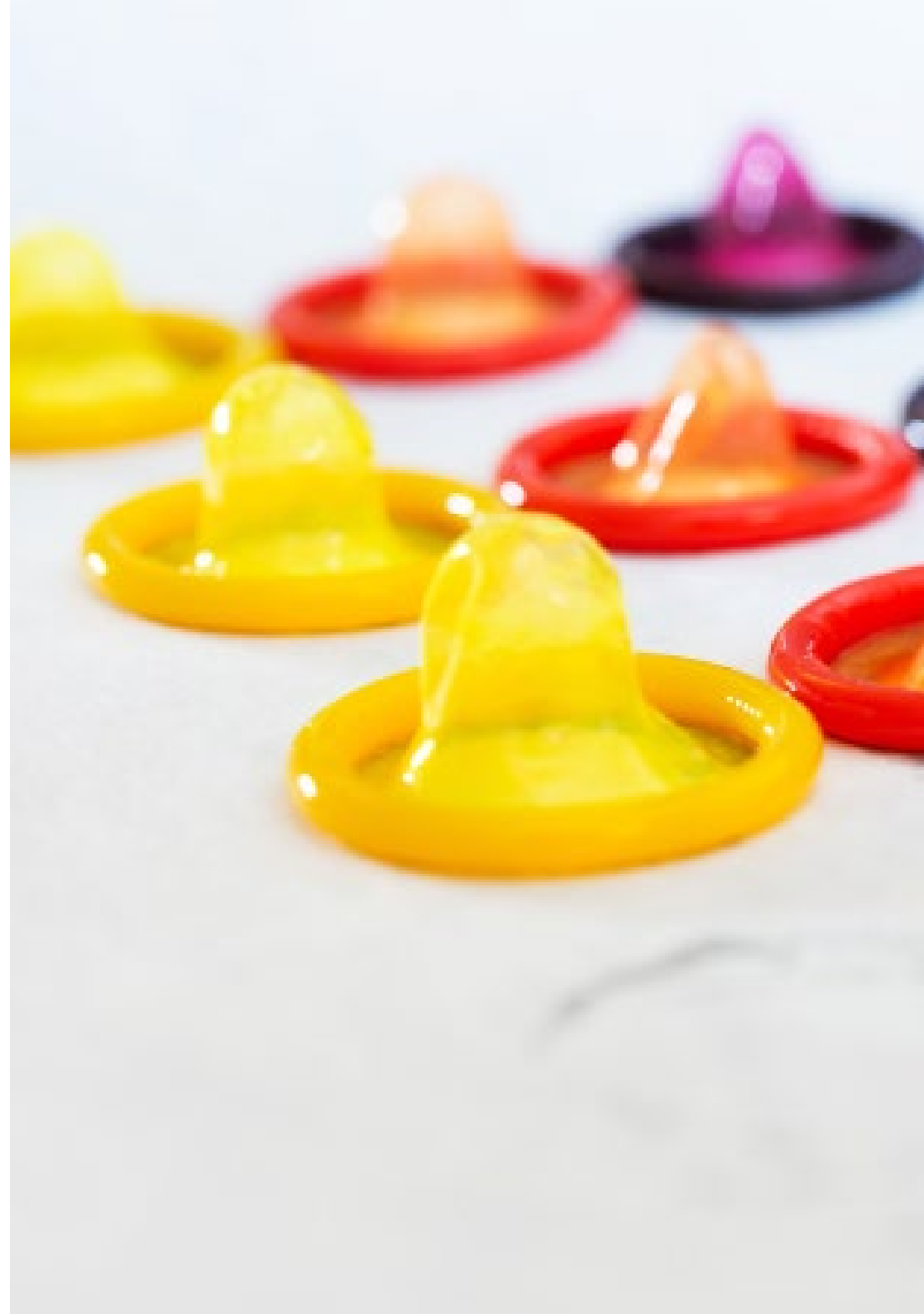
## General Objective

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- Know the latest information and controversies of current treatment in cervical cancer.
- Learn how to deal with a woman affected by HPV and her partner, in both the psychological and sexual field.

“

*Advance your clinical practice and add to your CV the knowledge and prestige of a high quality course from the world's largest online university”*





## Specific Objectives

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### Module 1. Primary Prevention: Preventative Vaccines for Cervical Cancer

- ♦ Study the preventative vaccines for HPV, models and types, as well as the scientific evidence surrounding it.
- ♦ Analyze the immunogenicity of each vaccine, as well as its efficacy in pivotal studies and its effectiveness in the real population.
- ♦ Study the use of vaccines in special populations such as those with AIDS and immunosuppressed people.
- ♦ Analyze the use of vaccines in situations not represented in the initial clinical trials, such as elderly women or those who have undergone conization and in males.

### Module 2. Colposcopy

- ♦ Analyze the colposcopy terminology according to the latest classification provided by the American Association of Cervical Pathology and Colposcopy, as well as the latest information based on the current classification of Rio 2011.
- ♦ Study and compare various images of colposcopy, vaginoscopy and vulvoscopy.
- ♦ Study the differences in the images and terminology in special situations such as pregnancy.

03

# Course Management

For our Postgraduate Certificate to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record in the field of education. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.



“

*An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed”*

## International Guest Director

Distinguished twice by Phoenix Magazine with the Top Doctor award in 2021 and 2022, Dr. Dana Meredith Chase has become an international reference in the field of Gynecologic Oncology. These awards are the result of her great clinical work in healthcare spaces such as the Arizona Center for Cancer Care and St. Joseph's Hospital and Medical Center.

As a specialist, she has dedicated her career to the diagnosis and treatment of Gynecologic Cancer and has performed more than 1,500 robotic surgeries. Therefore, as a surgeon in this area, she has become an expert in the use of techniques and tools for Minimally Invasive Gynecological Surgery Dr. Chase also stands out in the field of Medical Research having participated in several clinical trials. Specifically, she has a special interest in chemotherapy for Ovarian, Cervical and/or Uterine Cancers, so she has focused her studies on the search for new formulas to deal with resistant and recurrent Cancer. .

Dana Chase is also an associate professor in the School of Medicine at UCL and teaches Gynecologic Oncology at Valleywise Medical Center. Her passion for high-level teaching has marked much of her career, as she has also been part of the School of Medicine at Creighton University and the Department of Obstetrics and Gynecology at the University of Arizona. Not surprisingly, she is a recipient of the Teacher of the Year Award for Obstetrics and Gynecology given by St. Joseph's Hospital (2016).

As a leading specialist in her field, she has published a multitude of articles and has participated as a reviewer in different scientific publications, all of them specialized in Gynecologic Oncology. In addition, she is frequently present at national and international congresses where she participates both as a speaker and attendee.



## Dra. Chase, Dana Meredith

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- Researcher at the Women's Health Clinical Research Unit at UCLA
- Professor of Gynecologic Oncology at Valleywise Medical Center
- Associate Professor in the Division of Gynecologic Oncology, David Geffen School of Medicine at UCLA
  - Medical Degree from the University of California
- Fellow in Obstetrics and Gynecology, University of California, California
- Reviewer of scientific publications specialized in Gynecologic Oncology
- Revisora de publicaciones científicas especializadas en Ginecología Oncológica
- Teacher of the Year Award for Obstetrics and Gynecology, St. Joseph's Hospital (2016)
- Top Doctor Award, Phoenix Magazine (2021 and 2022)
- Honor Health Physician Recognition Award for Patient Experience (2022)
- Member of: NRG Oncology, Society of Gynecologic Oncology, GOG Foundation, Inc., International Gynecological Cancer Society, American Congress of Obstetricians and Gynecologists y American Society of Clinical Oncology



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

## Management



### **Pluvio Coronado, Martín**

- Director of the José Botella Llusía Women's Health Clinic of San Carlos Clinical Hospital in Madrid.
- Associate Professor at the Faculty of Medicine of the Complutense University of Madrid.
- Academic Correspondent of the Royal Academy of Medicine of Spain.



### **Serrano Cogollor, Luis**

- HM Gabinete Velázquez. HM Hospitals.





04

# Structure and Content

The content of this course has been created by establishing an exhaustive overview of each and every one of the essential topics in the Cervical Cancer Vaccine. With a sequential process that will take you through the topics, constantly acquiring new knowledge, this training will become an incredible leap towards the clinical forefront in this specialty.

A multidisciplinary team of experts has created the content of this course, bringing their years of experience to the training program.



“

*A comprehensive teaching program, structured in well-developed teaching units, oriented towards learning that is compatible with your personal and professional life"*

## Module 1. Primary Prevention: Preventative Vaccines for Cervical Cancer

- 1.1. Characteristics of Available Vaccines.
  - 1.1.1. Divalent Vaccine.
  - 1.1.2. Tetravalent Vaccine.
  - 1.1.3. Nonavalent Vaccine.
  - 1.1.4. New Vaccines.
- 1.2. Immunogenicity.
  - 1.2.1. Seroconversion and Antibody Level.
  - 1.2.2. Correlation Between Antibody Level and Efficacy.
  - 1.2.3. Differences Between the Available Vaccines and Possible Relevance.
  - 1.2.4. Estimation of the Protection Duration.
- 1.3. Vaccine Efficacy and Effectiveness.
  - 1.3.1. Long-term Efficacy Studies.
  - 1.3.2. Medium-term Effectiveness Studies.
- 1.4. Immunization in Special Groups.
  - 1.4.1. HIV+ Patients
  - 1.4.2. Transplant Patients.
  - 1.4.3. Immunosuppressed Patients.
  - 1.4.4. Men.
  - 1.4.5. Patients with HPV Lesions and/ or Treated Patients.
- 1.5. Safety of the Vaccine Against HPV.
  - 1.5.1. Safety Profile.
  - 1.5.2. Most Frequent Adverse Events.
  - 1.5.3. Pharmacovigilance.
- 1.6. Current Status of Vaccination in the World and in Spain.
  - 1.6.1. Worldwide Vaccine Coverage.
  - 1.6.2. Spain Vaccine Coverage.
  - 1.6.3. Perspectives of Eradicating the Burden of Disease.





## Module 2. Therapeutic Vaccines for Cervical Cancer

- 2.1. Biological Basis of Therapeutic Vaccines.
  - 2.1.1. Concept of Therapeutic Vaccines.
  - 2.1.2. Cytotoxicity Analysis of the Immune System.
  - 2.1.3. Target Antigens.
- 2.2. Types of Therapeutic Vaccines.
  - 2.2.1. Based on Proteins and Peptides.
  - 2.2.2. Based on DNA.
  - 2.2.3. Based on Nanoparticles.
  - 2.2.4. Based on Cells.
    - 2.2.4.1. Activated Dendritic Cells.
    - 2.2.4.2. Processed Tumor Cells.
  - 2.2.5. Based on Bacterial Vectors and Living Viruses.
- 2.3. Vaccines Against Low Grade Lesions.
  - 2.3.1. Design of Vaccine Against ASUS-LSIL.
  - 2.3.2. Clinical Trials and Results.
  - 2.3.3. Safety.
- 2.4. Vaccines Against High Grade Lesions.
  - 2.4.1. Design of Vaccine Against ASUS-LSIL.
  - 2.4.2. Clinical Trials and Results.
- 2.5. Vaccines Against Cancer.
  - 2.5.1. Design of Vaccine Against ASUS-LSIL.
  - 2.5.2. Clinical Trials and Results.
  - 2.5.3. Immunotherapy.
- 2.6. Safety of Therapeutic Vaccines.
  - 2.6.1. Safety Profile.
  - 2.6.2. Most Frequent Adverse Events.
  - 2.6.3. Vaccine Failure.
- 2.7. Future of Therapeutic Vaccines.
  - 2.7.1. New Models.
  - 2.7.2. New Target Antigens.
  - 2.7.3. Other Ways of Stimulating the Immune System Against HPV.

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.



“

*Discover Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can 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 potential 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 professional medical practice.



“

*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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.



*The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you in mind:



#### Study Material

All the teaching materials are specifically created for the course by specialists who teach on the course so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

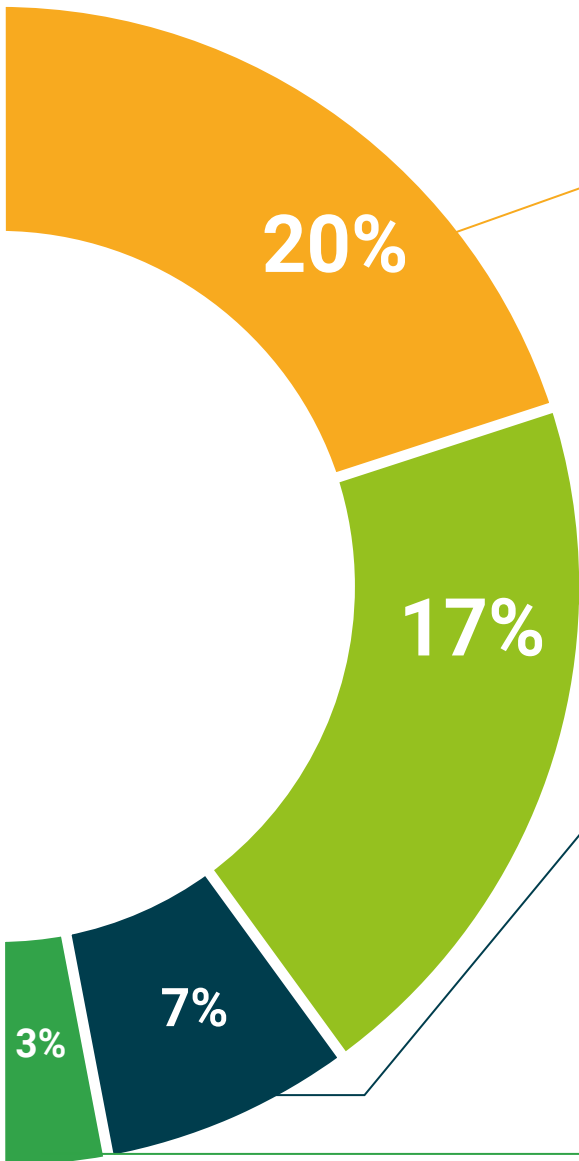
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





**Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Re-Testing**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



**Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



“

*Include in your training a Postgraduate Certificate in Cervical Cancer Vaccine: a high-quality added value for any medical professional"*

This **Postgraduate Certificate in Cervical Cancer Vaccine** contains the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** by tracked mail.

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

Diploma: **Postgraduate Certificate in Cervical Cancer Vaccine**

ECTS: **9**

Official Number of Hours: **225**





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



## Postgraduate Certificate Cervical Cancer Vaccine

Course Modality: Online

Duration: 2 months.

Certificate: TECH Technological University

9 ECTS Credits

Teaching Hours: 225 hours.

# Postgraduate Certificate Cervical Cancer Vaccine

