

# Postgraduate Certificate

## Squamous Cell Carcinoma





## Postgraduate Certificate Squamous Cell Carcinoma

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

Website: [www.techtute.com/in/medicine/postgraduate-certificate/squamous-cell-carcinoma](http://www.techtute.com/in/medicine/postgraduate-certificate/squamous-cell-carcinoma)

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# 01

# Introduction

Over the years, Squamous Cell Carcinoma has increased its incidence due to its rapid evolution, which has led to the development of new and better treatment options. It is for this reason that it has become essential for physicians to keep current in this field, due to the constant advances and the need to be aware of new techniques and treatments that can benefit patients. Taking into account the situation, TECH has developed a program that offers the specialist an actualization in epidemiology, diagnosis, prognostic and risk factors of high-risk Cutaneous Epidermoid Carcinoma. In addition, the 100% online degree will facilitate access to the curriculum at any time and place without setting a fixed schedule.





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*Thanks to this Postgraduate Certificate you will improve your knowledge in Squamous Cell Carcinoma, from the latest techniques for its evaluation to its pathogenesis”*

Recently, the clinical management of Squamous Cell Carcinoma has undergone significant advances in various treatment techniques. Among them, the development and evolution of Photodynamic Therapy stands out. This therapeutic modality has become a promising option for the management of certain cases of Squamous Cell Carcinoma, especially in superficial and localized skin lesions. This is why it is important to provide medical education on the latest techniques based on the scientific evidence of diagnosis, treatment and the most efficient way to reduce risks.

Consequently, TECH has developed a program that aims to provide the medical professional with an analysis of Squamous Cell Carcinoma, the risk factors and prognoses associated with this disease. In addition, the program will allow to deepen in adjuvant treatments such as Chemotherapy and Photodynamic Therapy. It will also offer a detailed approach on the clinical stages of this pathology, as well as on its various variants, such as Acantholytic Squamous Carcinoma and Clear Cell Squamous Carcinoma.

Within this context, the Postgraduate Certificate is presented in a 100% online format, which will allow the health experts to develop their personal and work activities along with those of their course, since they will not have to adjust to a specific timetable. Additionally, it implements in its curriculum a series of multimedia resources such as detailed videos and real case studies, which are combined with the Relearning system, which will allow you to remember the most complex concepts in less time, optimizing your study hours.

This **Postgraduate Certificate in Squamous Cell Carcinoma** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of case studies presented by experts in Dermatology, Oncology and Plastic and Reconstructive Surgery
- ◆ 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
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ 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



*You will deepen in the evolution of the clinical variants of Squamous Cell Carcinoma, such as Acantholytic Squamous Cell Carcinoma and Clear Cell Squamous Carcinoma"*

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*You will implement in your clinical practice the most advanced techniques in Dermatoscopy and Confocal Reflectance Microscopy, in order to more efficiently detect Squamous Cell Carcinoma"*

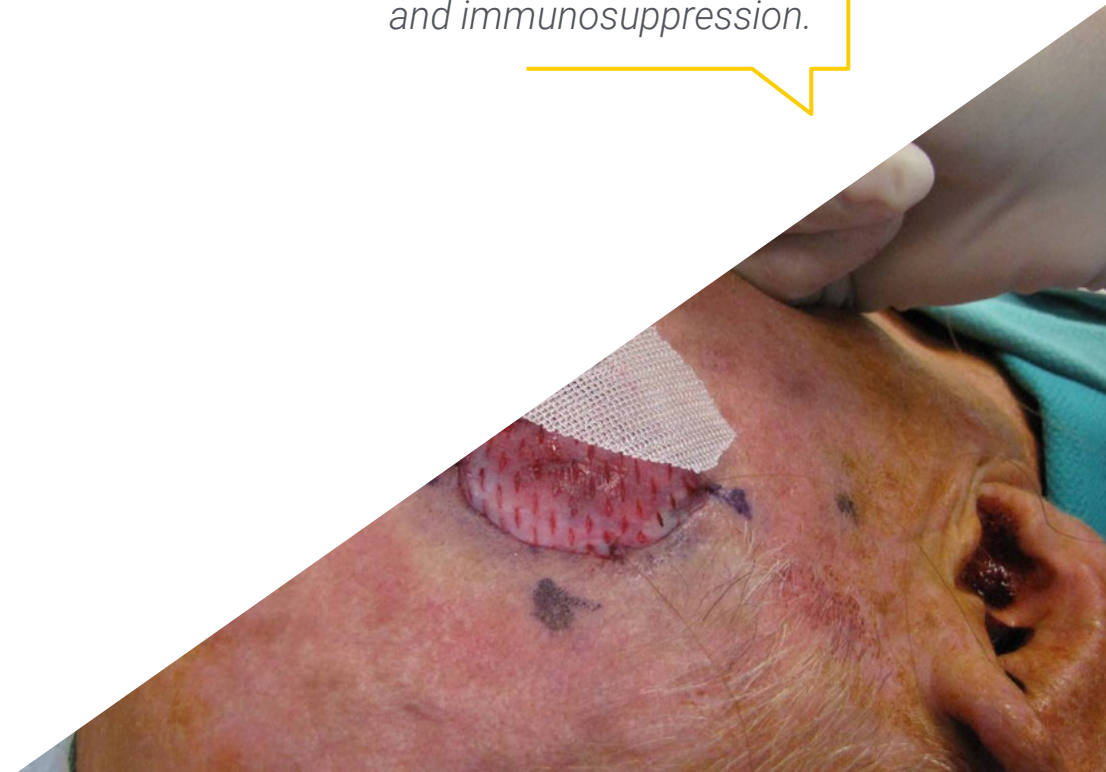
The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, in addition to renowned specialists from prestigious reference societies and universities.

Its 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 immersion education programmed to learn in real situations.

The design of this program focuses on Problem Based Learning, through which the professional must try to solve the different situations of professional practice that arise throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.

*You will explore in detail the size, depth and perineural invasion to quickly diagnose squamous cell carcinoma based on the latest techniques described.*

*In only 6 weeks you will expand your knowledge in the prognoses of Squamous Cell Carcinoma, such as histological type and immunosuppression.*



# 02

# Objectives

The goal of this degree is to offer the physician an adequate education in accordance with the latest scientific evidence on Squamous Cell Carcinoma. Thus, the health professional will be able to perform an efficient, accurate and early evaluation of suspicious skin lesions, use advanced diagnostic techniques such as Dermatoscopy and Optical Coherence Tomography and offer personalized medical care to patients with this disease, improving their prognosis and quality of life. In addition, the program will allow the graduate to access all of its content from any device with an internet connection.







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*Identify the Clinical Stages of Squamous Cell Carcinoma, its early and advanced stages, and select the most appropriate treatment according to the individual needs of each patient”*



## General Objectives

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- ◆ Promote the prevention of skin cancer through education and awareness of sun protection methods and early detection of suspicious lesions
- ◆ Participate in multidisciplinary oncology care teams, collaborating with oncologists, dermatologists, surgeons and other healthcare professionals in the integral management of patients
- ◆ Constantly keep up to date with the latest advances and research in the field of skin cancer in order to provide evidence-based care



*You will perform a detailed analysis of the Sentinel Lymph Node, elaborating lymphatic mapping and biopsies, to perform an adequate and effective treatment of Squamous Cell Carcinoma based on the latest advances"*





## Specific Objectives

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- ◆ Identify the clinical and dermatoscopic features of Squamous Cell Carcinoma and differentiate it from other skin lesions
- ◆ Understand the risk factors associated with the development of squamous cell carcinoma, such as chronic sun exposure, smoking and human papillomavirus (HPV) infection
- ◆ Be updated with the latest histopathological findings of squamous cell carcinoma and their relationship with prognosis and therapeutic behavior
- ◆ Improve diagnostic and staging techniques for squamous cell carcinoma, such as biopsy, immunohistochemistry and the use of classification systems such as the TNM system

03

# Course Management

With the intention of maintaining the educational quality that characterizes TECH, a group of widely recognized specialists in the field of Oncological Radiotherapy has been brought together. This way, physicians who complete this program will have an excellent education designed by true experts in the management of different cancerous diseases, especially those related to the skin. Therefore, the degree offers graduates the opportunity to participate in an academic experience alongside leading professionals in the field.





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*You will have experts in Radiation Oncology who will expand your knowledge in advanced surgical treatments such as Mohs Surgery and Lymphadenectomies to effectively address Squamous Cell Carcinoma"*

## Management



### Dr. Samper, Pilar

- ♦ Head of the Radiation Oncology Service at the Rey Juan Carlos University Hospital
- ♦ Physician in the Radiation Oncology Fields at the 12 de Octubre University Hospital
- ♦ Area Specialist at the Gómez Ulla Central Defense Hospital
- ♦ Professor of the University Foundation San Pablo CEU del Ciclo: Senior Technician in Radiotherapy
- ♦ Associate Professor in Health Sciences. Department of Medical Specialties. Fields: Radiology and Physical Medicine at the University of Alcalá de Henares
- ♦ Professor and honorary tutor of the Department of Medicine, Oncology Area of the Rey Juan Carlos University
- ♦ Professor at the Spanish School of Radiation Oncology
- ♦ Doctorate in Medicine from the University of Alicante
- ♦ Degree in Medicine and Surgery from the University of Alicante
- ♦ Member of SEOR, GOECP, URONCOR, GEBT, GICOR, ESTRO



### **Dr. Payano Hernández, Stephanyie**

- ♦ Radiation Oncology at the Rey Juan Carlos University Hospital
- ♦ Radiation Oncology, Madrid Sanchinarro University Hospital
- ♦ Area Specialist in the Radiation Oncology Service at Genesis Care
- ♦ Faculty Physician in the Treatment Oncology Service at the Rey Juan Carlos Móstoles University Hospital
- ♦ Professor and honorary tutor of the Department of Medicine, Oncology Area at the Rey Juan Carlos University
- ♦ Professor of the Professional Master's Degree in Arteriovenous Malformation at TECH Technological University
- ♦ Degree in Medicine from the Ibero University
- ♦ Member of SEOR, ESTRO, ILROG, ICAPEM

## **Professors**

### **Dr. Payano de Morillo, Gloria Damaris**

- ♦ Emergency physician at Vistahermosa Clinic, HLA group
- ♦ Physician in charge of area at Socio-sanitary Ilunion
- ♦ Physician in charge of area at the Peñas Albas Elderly Residence
- ♦ Auditor of medical accounts and concurrences in the National Health Assurance
- ♦ Expert in Vital Emergency Pathology at the Francisco de Victoria University
- ♦ Expert course in The Professional and Social Skills by the Technical Training Center S.L
- ♦ Diploma in Health Care Quality Auditing by the National Health Assurance

# 04

## Structure and Content

This degree offers the health professional the opportunity to be informed on the most advanced concepts of Squamous Cell Carcinoma. This way, you will have a complete overview of the epidemiology of Squamous Cell Carcinoma, including its surgical treatment and the different therapeutic modalities available. In addition, the clinical variants of this disease and the different clinical stages will be studied in depth. The program also offers the possibility of giving the specialists total flexibility in their daily life, since they will not have to adhere to specific schedules.







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*With the Relearning method, you will optimize your time and focus on the most relevant concepts, avoiding spending long hours on the learning process”*

## Module 1. Squamous cell carcinoma

- 1.1. Analysis of squamous cell carcinoma
  - 1.1.1. Evaluation of Epidermoid Carcinoma
  - 1.1.2. Epidemiology of carcinoma epidermoidis
  - 1.1.3. Risk factors for squamous cell carcinoma
  - 1.1.4. Pathogenesis of Squamous Cell Carcinoma
- 1.2. Clinical variants
  - 1.2.1. Acantholytic Squamous Carcinoma
  - 1.2.2. Spindle cell squamous carcinomas
  - 1.2.3. Verrucous squamous carcinoma
  - 1.2.4. Squamous clear cell carcinoma
- 1.3. Diagnosis
  - 1.3.1. Clinical Symptoms
  - 1.3.2. Dermatoscopy
  - 1.3.3. Optical Coherence Tomography
  - 1.3.4. Confocal reflectance microscopy
- 1.4. Prognostic factors in high-risk cutaneous squamous cell carcinoma
  - 1.4.1. Size
  - 1.4.2. Depth
  - 1.4.3. Perineural invasion
  - 1.4.4. Lymphovascular invasion
- 1.5. Other prognostic factors
  - 1.5.1. Histological type
  - 1.5.2. Immunosuppression
  - 1.5.3. VPH Infection
  - 1.5.4. High risk areas and drainage areas
- 1.6. Clinical stages
  - 1.6.1. Staging systemClinical Status
  - 1.6.2. Stage 0
  - 1.6.3. Clinical Stage I and II
  - 1.6.4. Clinical Stage III - Clinical Stage IV



- 1.7. Sentinel lymph node
  - 1.7.1. Sentinel node analysis
  - 1.7.2. Lymphatic mapping
  - 1.7.3. Biopsy of Sentinel Lymph Node
- 1.8. Surgical Management
  - 1.8.1. Extensive local excision
  - 1.8.2. Mohs Surgery
  - 1.8.3. Lymphadenectomy
- 1.9. Adjuvant Treatment
  - 1.9.1. Chemotherapy
  - 1.9.2. Radiotherapy
  - 1.9.3. Photodynamic therapy (PDT)
- 1.10. Follow-up and recommendations
  - 1.10.1. Initial stage: First year
  - 1.10.2. Follow up: Second year
  - 1.10.3. Long term
  - 1.10.4. Recommendations



*You will incorporate new advances in adjuvant therapies such as Radiotherapy and Photodynamic Therapy for an efficient treatment of Squamous Cell Carcinoma"*

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 Squamous Cell Carcinoma guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate 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 Certificate in Squamous Cell Carcinoma** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Squamous Cell Carcinoma**

Official N° of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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community commitment  
personalized service innovation  
knowledge present quality  
online training  
development languages  
virtual classroom

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