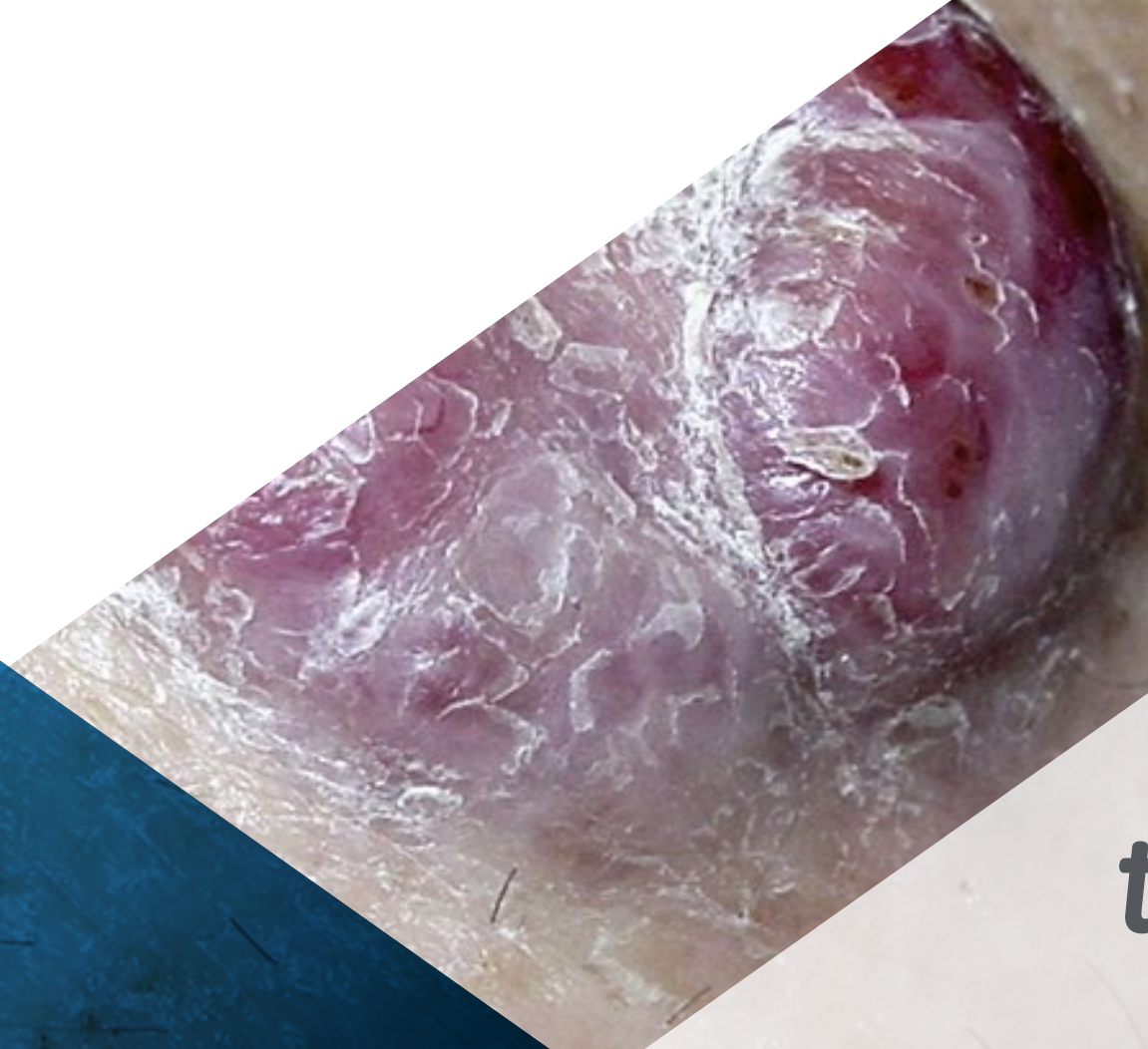


# Postgraduate Certificate

## Merkel Cell Carcinoma





## Postgraduate Certificate Merkel 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/pk/medicine/postgraduate-certificate/merkel-cell-carcinoma](http://www.techtute.com/pk/medicine/postgraduate-certificate/merkel-cell-carcinoma)

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# 01

# Introduction

Merkel Cell Carcinoma is one of the strangest pathologies recognized within the catalog of oncologic diseases. Its prognostic variability, as well as the different types of therapeutics that have been developed and continue to be developed as medicine advances, make the management of this type of patient a complex task for many specialists. Hence the need to launch an academic program focused on bringing together its novelties so that the graduates can actualize their clinical practice in an effective and comfortable way. This is how the present degree comes out, which includes 150 hours of 100% online content that analyzes, disseminates and deepens in the advances of Merkel Cell Neuroendocrine Carcinoma through the best theoretical, practical and additional material.



“

*In only 6 weeks you will get up to date on the epidemiological and etiopathogenic novelties of Merkel Cell Carcinoma with TECH and this very complete Postgraduate Certificate"*

The aggressiveness and variability associated with the prognosis of Merkel Cell Carcinoma makes it one of the pathologies of greatest concern to medical specialists, despite its low incidence in the world population. It is a disease that, in addition, contemplates multiple diagnostic and therapeutic techniques and is constantly being investigated in order to increase the efficacy of its treatment. Therefore, the clinical activity related to the treatment of this disease is continually changing, making it difficult, in many cases, for specialists to keep up to date.

For this reason, and due to TECH's commitment to the health area, this Postgraduate Certificate in Merkel Cell Carcinoma has been created, a complete program that includes the latest developments in this field, aimed at providing physicians with a comprehensive, intensive and accessible medical upgrade. Therefore, the syllabus covers the main areas of this pathology, focusing on the latest advances in analysis, diagnosis, staging, and treatments. In addition, the graduate will be able to perfect their skills in the performance and interpretation of tests such as CT or biopsy, as well as in surgical guidelines. On the other hand, you will work to catch up on the most innovative guidelines for follow-up and recommendations.

All this through 150 hours of the best theoretical, practical and additional content designed by a team of experts in Oncology, Dermatology and Radiotherapy, who will also be part of the faculty of the degree. In addition, its 100% online format allows you to access your course from wherever and whenever you want, without schedules and without the need to attend classes in person. This way you can combine your study with your professional practice. Therefore, this is a unique opportunity to invest in a program that will not only allow you to improve your clinical skills, but will also provide you with the resources to enhance your medical competencies, thus increasing the efficiency and effectiveness of your patient care.

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

- ◆ Case studies presented by experts in Dermatology Oncologic
- ◆ 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



*A flexible and convenient academic opportunity to combine the activity of your medical practice with a dynamic and exhaustive clinical upgrade"*



“

*Would you like to improve your skills in CT and Biopsy interpretation? In this program you will find the keys to achieve it"*

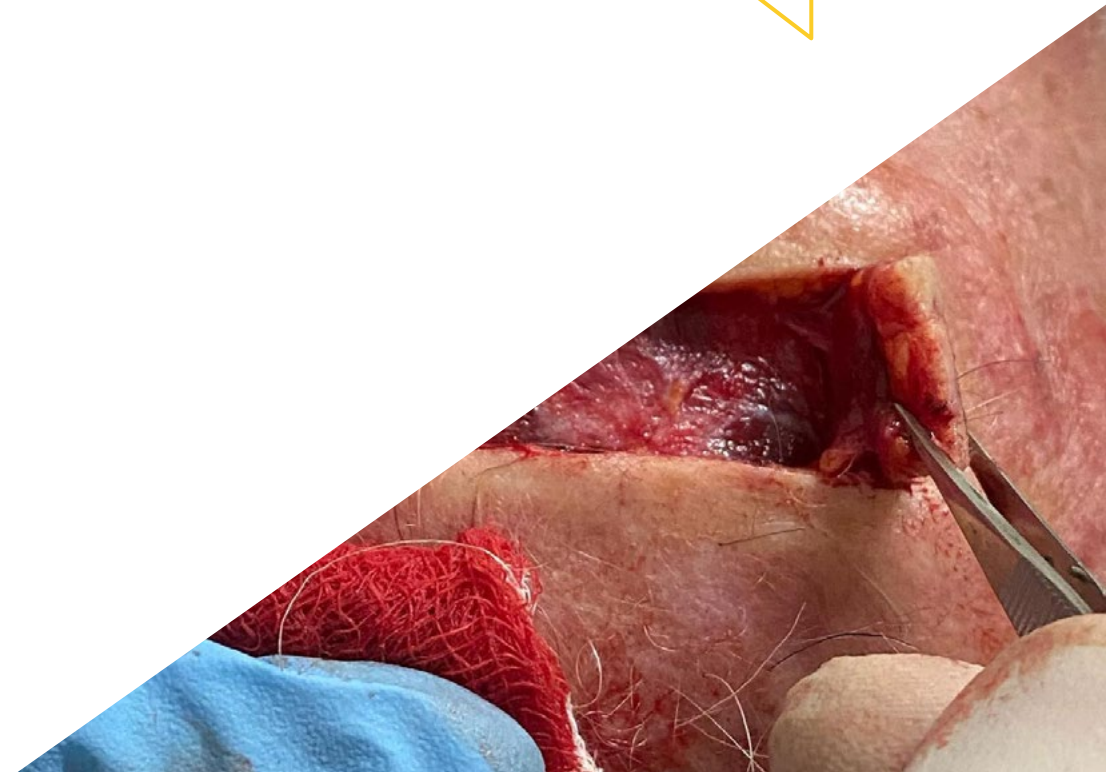
*If you need to improve your knowledge in the staging of Merkel Cell Carcinoma, this is the ideal academic option to do so.*

*The program includes 150 hours of the best theoretical, practical and additional content, so you can get up to date in a dynamic but effective way.*

The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious 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.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. This will be done with the help of an innovative system of interactive videos made by renowned experts.



# 02 Objectives

TECH is aware of the difficulties faced by physicians in terms of lack of time to keep up with the clinical novelties that are being developed in the different specialties. For this reason, TECH designs programs such as the present Postgraduate Certificate in Merkel Cell Carcinoma, with the purpose of providing you with the information that will facilitate this process. It contributes to their professional improvement and, therefore, to the enhancement of their activity in patient care.







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*Sentinel node analysis is fundamental in the management of Merkel Cell Carcinoma. Therefore, in this program you will find a section dedicated to it, so that you can get up to date in a complete way”*



## General Objectives

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- ◆ Provide specialists with the necessary information to enable them to keep current with the latest therapeutic and diagnostic developments related to Merkel Cell Carcinoma
- ◆ Provide physicians with resources that will help them to improve their skills in the handling of oncology patients, especially those diagnosed with Merkel Cell Carcinoma



*TECH's objective is for you to achieve your own goals through a top-level academic offer adapted to the rigor and demands of today's medicine"*







## Specific Objectives

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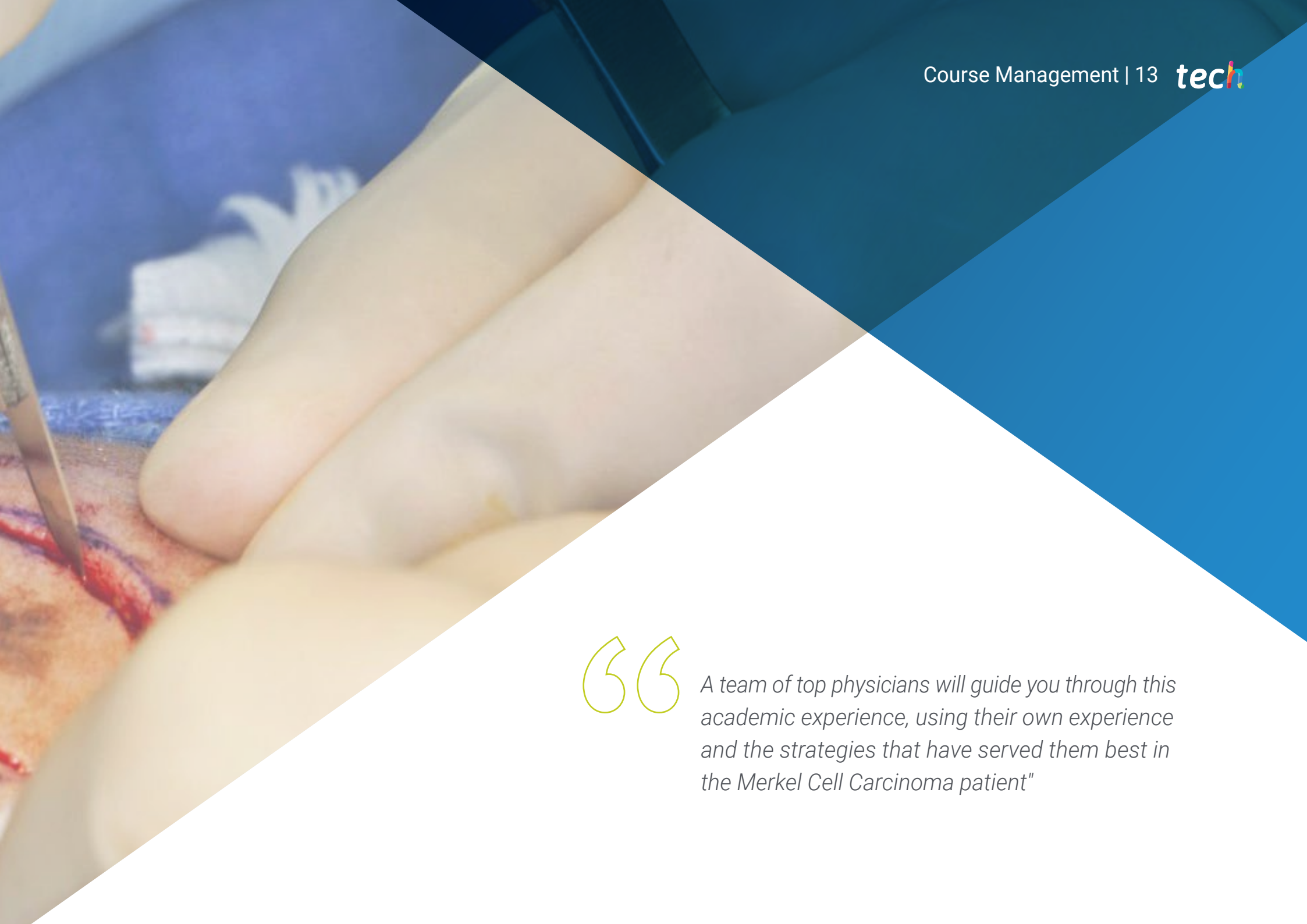
- ◆ Be up to date on the clinical features of Merkel's carcinoma and distinguish it from other skin lesions
- ◆ Provide an overview of the risk factors associated with the development of Merkel's carcinoma, such as advanced age, immunosuppression and exposure to radiation
- ◆ Investigate the latest histopathological findings and immunohistochemistry used in the diagnosis of Merkel carcinoma
- ◆ Refine the treatment options available for Merkel carcinoma, including surgery, radiotherapy, immunotherapy and chemotherapy, and understand their indications and contraindications

03

# Course Management

A team of doctors specialized in Oncology, Dermatology and Radiotherapy has worked on the design of this program, providing the theoretical, practical and audiovisual information that makes up its content. Thus, TECH guarantees an academic experience based on the immediate current situation of the sector, with a critical and different vision. In addition, they will be available to answer any questions that may arise through the direct communication tool found in the Virtual Campus.





“

*A team of top physicians will guide you through this academic experience, using their own experience and the strategies that have served them best in the Merkel Cell Carcinoma patient"*



## Management



### 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



### **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

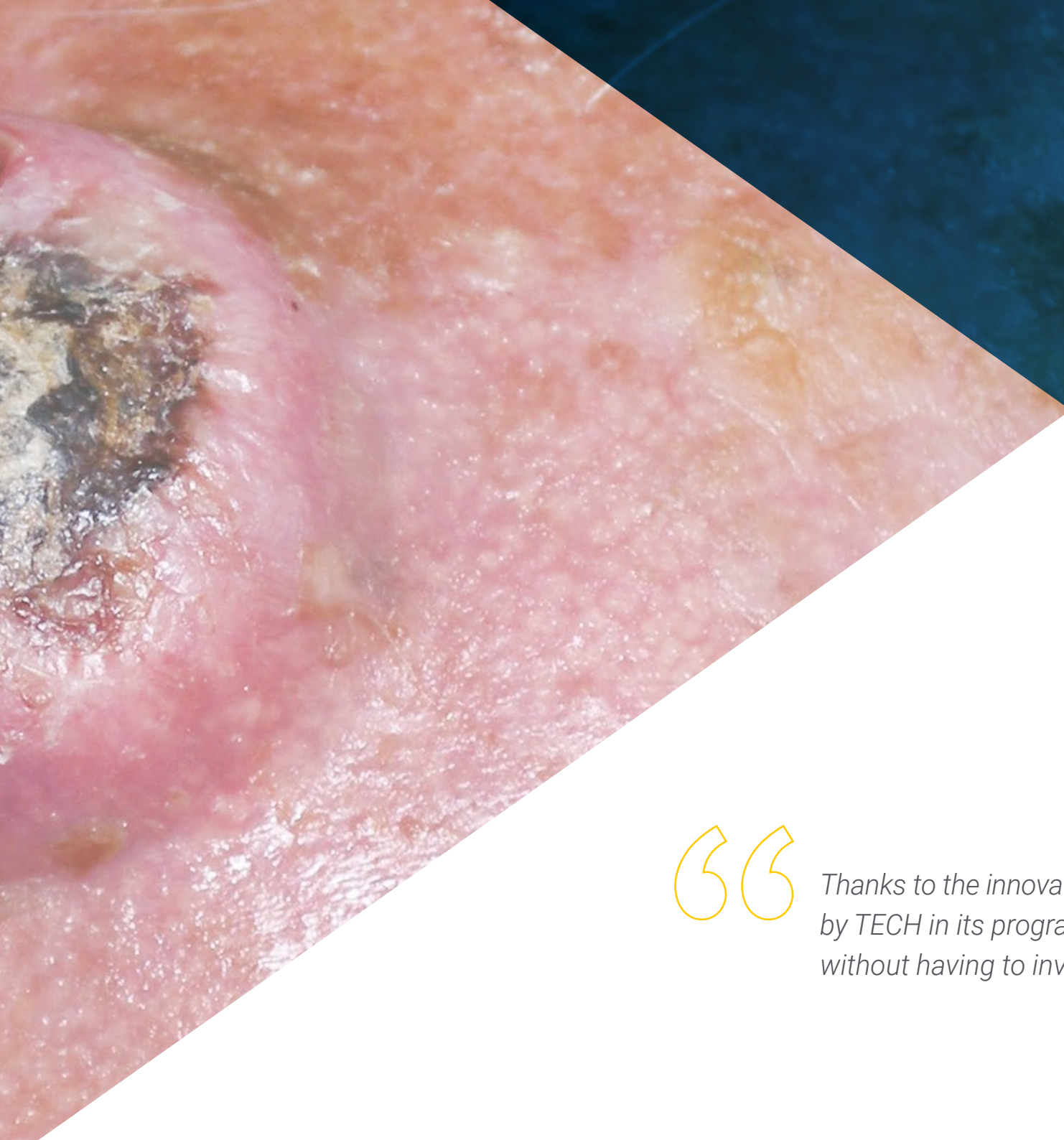
# 04

## Structure and Content

This Postgraduate Certificate is composed of 150 hours of theoretical, practical and additional content, the latter presented in various formats: detailed videos, case studies of real patients, diagrams, dynamic summaries, research articles, news... This will help the graduate to expand each section of the syllabus in a personalized way, being able to delve into those aspects that they consider more relevant for their education. In addition, all of the material will be available from the beginning of the academic experience and can be downloaded to any device with an internet connection.







“

*Thanks to the innovative teaching methodology used by TECH in its programs, you will be able to catch up without having to invest extra hours in studying"*

## Module 1. Merkel Cells Carcinoma

- 1.1. Analysis of Merkel cell carcinoma
  - 1.1.1. Evaluation of Merkel cell carcinoma
  - 1.1.2. Evolution of Merkel Cell Carcinoma
  - 1.1.3. Epidemiology of Merkel cell carcinoma
  - 1.1.4. Etiopathogenesis and population at risk for Merkel cell carcinoma
- 1.2. Diagnosis
  - 1.2.1. Clinical Symptoms
  - 1.2.2. Evolution
  - 1.2.3. Immunohistochemistry.
  - 1.2.4. Cytogenetic and molecular study
- 1.3. CT and Biopsy
  - 1.3.1. CAT
  - 1.3.2. PET-CAT
  - 1.3.3. Large needle biopsy
  - 1.3.4. Fine needle aspiration biopsy
- 1.4. Staging
  - 1.4.1. Stage IA
  - 1.4.2. Stage IB
  - 1.4.3. Stage II
  - 1.4.4. Stage III
- 1.5. Sentinel lymph node
  - 1.5.1. Sentinel node analysis
  - 1.5.2. Lymphatic mapping
  - 1.5.3. Biopsy of Sentinel Lymph Node
- 1.6. Surgical Management
  - 1.6.1. Extensive local excision
  - 1.6.2. Mohs Surgery
  - 1.6.3. Lymphadenectomy
- 1.7. Reconstruction
  - 1.7.1. Skin graft
  - 1.7.2. Local flap
  - 1.7.3. Free flap







- 1.8. Adjuvant Treatment
  - 1.8.1. Chemotherapy
  - 1.8.2. Radiotherapy
  - 1.8.3. Immunotherapy
  - 1.8.4. Targeted therapy
- 1.9. Follow-up and recommendations
  - 1.9.1. Initial stage: First year
  - 1.9.2. Follow up: Second year
  - 1.9.3. Long term
  - 1.9.4. Recommendations
- 1.10. AEDV Clinical Practice Guideline on Merkel Cell Carcinoma
  - 1.10.1. Analysis of the guideline
  - 1.10.2. Evaluation of the guideline
  - 1.10.3. Use of the guide
  - 1.10.4. Method used to prepare the document

“ You are just one step away from being able to delve into the latest in the most innovative and effective surgical treatments that will help you treat your patients with greater precision and accuracy”

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.







“

*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.

“

*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

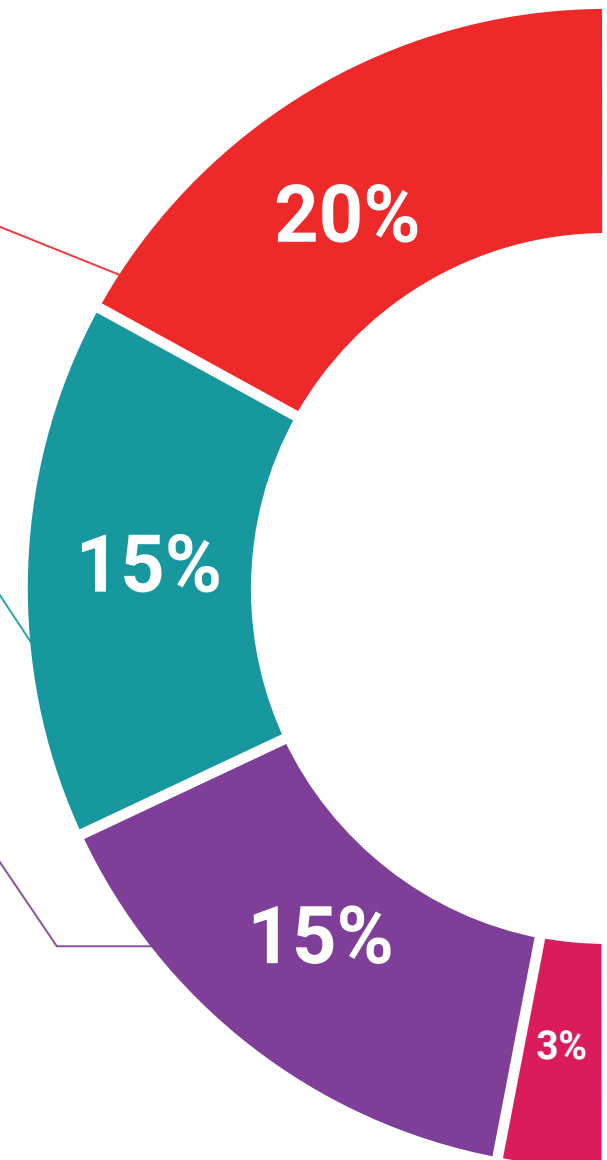
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Merkel 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 Merkel Cell Carcinoma** contains the most complete and up-to-date scientific 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 Merkel 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.



future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

online training

development languages

virtual classroom

**tech** technological  
university

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