

Postgraduate Certificate

Genodermatoses with Oncogenic Potential





Postgraduate Certificate Genodermatoses with Oncogenic Potential

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/genodermatoses-oncogenic-potential

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01

Introduction

As has been announced by numerous studies carried out in the field of genetics, mutations that occur in DNA (both during pregnancy and after birth), whether due to hereditary or acquired factors, can cause diseases that seriously affect the organism. Among them, those catalogued within the Genodermatoses with Oncogenic Potential. It is precisely this field and its latest diagnostic and therapeutic developments that is the focus of this program. A 100% online degree through which the medical specialist will be able to get up to date with the advances in the handling of Neurofibromatosis, Tuberous Sclerosis or Pseudoxanthoma elasticum, among others, through 180 hours of the best theoretical, practical and additional content.





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Do you want to improve your praxis in the handling of pathologies within the Genodermatoses with Oncogenic Potential? TECH has prepared this complete program so that you can do it 100% online"

Genodermatosis is closely related to Cancer diagnosis. Although not all patients who suffer from this skin disease end up developing cancerous pathologies, the truth is that, according to studies, they have a greater genetic predisposition that significantly increases the risk. For this reason, the identification of variants such as Neurofibromatosis or Tuberous Sclerosis should alert specialists. However, thanks to the advances that have been made and that continue to be made on an ongoing basis, it has been possible to establish increasingly effective preventive and therapeutic guidelines for the handling of these diseases.

It is precisely in this context that this Postgraduate Certificate is focused, a complete and exhaustive qualification based on the latest developments associated with Genodermatosis with Oncogenic Potential. After arduous research and analysis, a group of experts and analysis, experts in Oncology, Dermatology and Radiotherapy have developed an innovative degree that includes 180 hours of theoretical, practical and additional content based on the analysis, advances in clinical handling, histopathology and treatment of the different variants of this pathology: Ehlers-Danlos Syndrome, Muir-Torre Syndrome, Nevoid Basal Cell Carcinoma, Pachyonychia Congenita, etc.

All this compacted in a comfortable and accessible 100% online format. The specialist will be able to access the Virtual Campus from any device with internet connection, whether tablet, PC or cell phone. In addition, you can do it for 6 weeks, without limits and without timetables. This way, you will be able to work on improving your medical knowledge and your patient handling skills in a comfortable way, at your own pace and without pressure. All this will help you get up to date in diagnosis, prevention and therapy with the guarantee that TECH is the largest medical school in the world.

This **Postgraduate Certificate in Genodermatosis with Oncogenic Potential** 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 Oncology, Dermatology and Radiotherapy
- ♦ 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 self-assessment can be used 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 dynamic Postgraduate Certificate that will allow you to approach your patients with an advanced and innovative vision"

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You will work on improving your clinical skills for the analysis and treatment of multiple oncogenic pathologies through the best theoretical, practical and additional material"

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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.

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

You will be able to access the Virtual Campus from any device with internet connection, whether it is a computer, tablet or cell phone.

You will delve into the new histopathological development techniques in Pseudoxanthoma Elasticum and the most innovative treatments that have been developed so far.



02 Objectives

TECH and its team of experts in Oncology, Dermatology and Radiotherapy have developed this Postgraduate Certificate with the objective of providing the medical professional with the necessary information and resources to allow them to actualize their praxis in an effective, comfortable and guaranteed way. To this end, they have compacted in 180 hours of the best theoretical, practical and additional content, the latest studies associated with prevention, diagnosis and treatment of Genodermatoses with Oncogenic Potential.





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If among your objectives is to broaden and improve your skills in the early diagnosis of Gardner's or Cowden's Syndrome, TECH knows the keys to achieve it"



General Objectives

- Deepen in the new developments of the genodermatoses that present a greater predisposition to the development of skin cancer, such as xeroderma pigmentosum syndrome, Li-Fraumeni syndrome and dysplastic nevus syndrome
- Put into practice the skills of the medical professional, working on the improvement of clinical improving their clinical competences through the resolution of real cases





Specific Objectives

- Understand the genetic mechanisms underlying Genodermatosis predisposing to skin cancer, including mutations in key genes related to DNA repair and tumor suppression
- Be up to date with the characteristic clinical manifestations of skin cancer predisposing genodermatoses, such as the presence of multiple skin lesions, increased sensitivity to solar radiation and increased risk of developing different types of tumors
- Be up to date on strategies for prevention and early detection of skin cancer in patients with genodermatosis, including the use of sunscreens, regular dermatological surveillance, and the performance of genetic and molecular studies



A program resulting from weeks of research and analysis to form the best curriculum compacted into a convenient 100% online degree"

03

Course Management

The graduate who accesses this Postgraduate Certificate will have the support of a multipurpose teaching team, specialized in different areas of medicine: Radiation Oncology, Dermatology, Emergency Care.... All this will help you to obtain a critical, broad and current vision of the clinical context. In addition, they have contributed to the syllabus a variety of resources taken from their own practices, which gives the academic experience a plus of dynamism and completeness.



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In the Virtual Campus you will find a direct communication tool with the teaching team, so that you can resolve any doubts that may arise during the course of the program"

International Guest Director

Reinhard Dummer is Deputy Clinical Director of the Department of Dermatology at the University Hospital of Zurich, Switzerland. Recognized as a world leader in Cutaneous Oncology, he heads the Skin Cancer Unit and the Clinical Trials Unit in his department. With initial training in Hematology, he completed his residency in Dermatology in Würzburg, Germany, and in Switzerland. He is also board certified in Allergy, Clinical Immunology, Dermatology and Dermatopathology.

Throughout his career, Dr. Dummer has specialized in the Molecular Biology and Immunotherapy of skin tumors, including Lymphomas and Melanomas. He has published more than a thousand scientific articles, accumulating a very high impact factor in his research publications. Also, as a pioneer in Translational Medicine, he has participated in key studies on inhibitors such as Ipilimumab, and others selective of the BRAF oncogene, such as Vemurafenib. Thanks to these innovations, he and his team have achieved significant advances in the approach to skin metastasis.

In addition, this expert has received awards such as the first Translation Prize of the German Cancer Society. The award is a recognition of Dr. Dummer's ability to rapidly apply the results of preclinical research, obtained by other specialists, in his regular clinical practice. In turn, as an advocate of Personalized Medicine, one of his working premises has been to investigate the analysis of individual genetic material to optimize therapeutic benefits and minimize side effects in patients.

On the other hand, the scientist has been president of the Melanoma Project Group of the Swiss Institute for Applied Cancer Research. He is also a member of the German National Academy of Sciences and has been a member of the Board of Directors of the International Society for Melanoma Research and President of the International Cutaneous Lymphoma Society.



Dr. Dummer, Reinhard

- ♦ Deputy Clinical Director, Department of Dermatology, University Hospital Zurich, Switzerland
- ♦ Head of the Cutaneous Tumor Center of the University Hospital Zurich
- ♦ Professor of Dermatology, Faculty of Medicine, University of Zurich, Switzerland
- ♦ Attending Physician in Oncology at the University Hospital of the Ruprecht-Karls University Heidelberg
- ♦ Doctorate at the Medical Faculty of the Julius-Maximilians-University Würzburg, Germany
- ♦ President of the International Society for Cutaneous Lymphoma (ISCL)
- ♦ Co-founder of the Board of Directors of the European Association of Dermato-Oncology
- ♦ Member of: European Academy of Sciences, European Society for Medical Oncology
, Steering Committee of the Society for Melanoma Research, Austrian Society of Dermatology and Venereology, German National Academy of Sciences, German Cancer Society

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

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, GEPT, 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

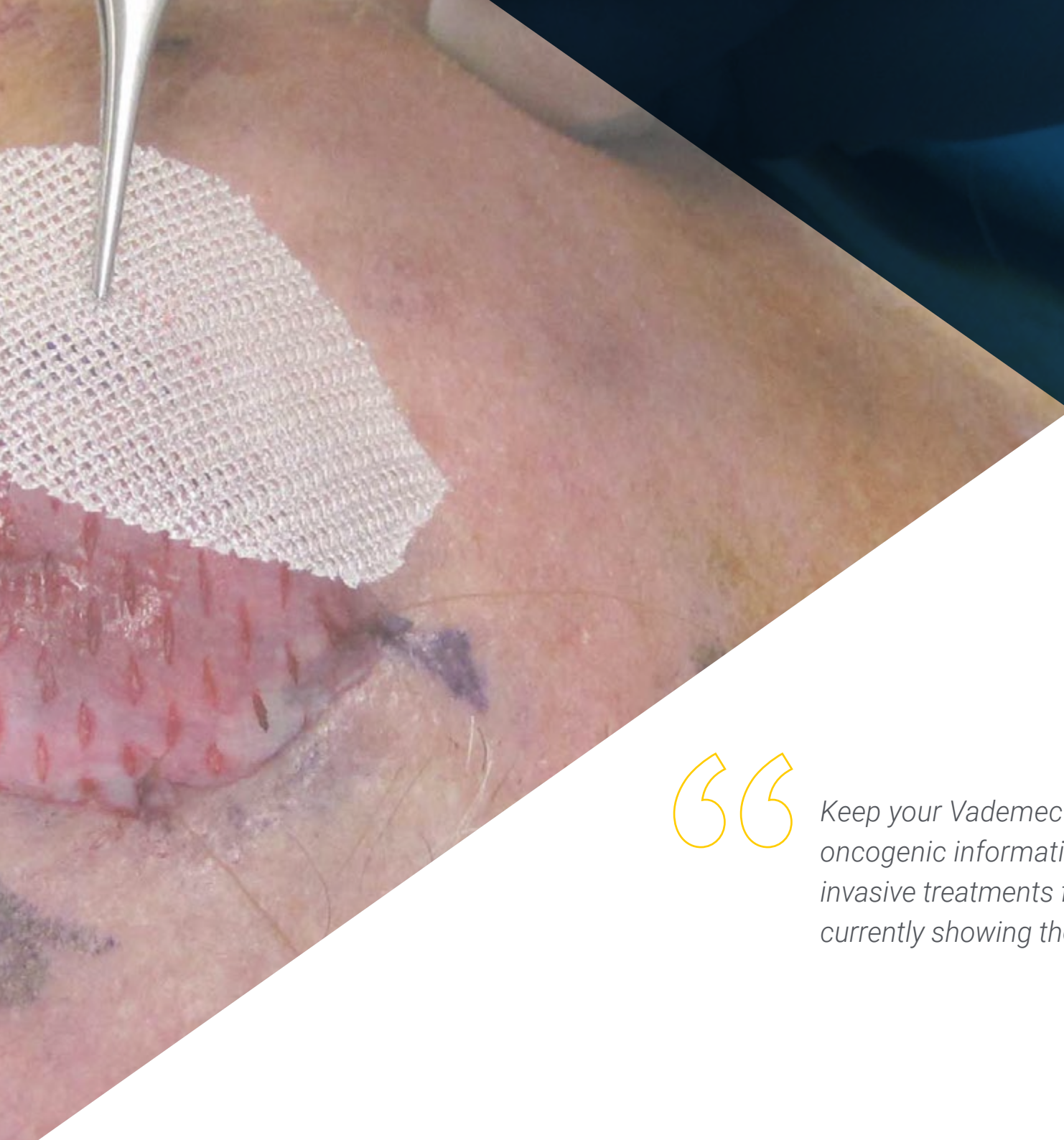
- Emergency physician at Vistahermosa Clinic, HLA group
- Physician in charge of area at Socio-sanitary Ilunion
- Physician in charge of area at the Peñas Albas Elderly Residence
- Auditor of medical accounts and concurrences in the National Health Assurance
- Expert in Vital Emergency Pathology at the 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

The teaching team has been working for weeks to develop the syllabus and resources that form part of this Postgraduate Certificate. TECH requires that all the material is based on the latest scientific developments, thus guaranteeing an exhaustive and intensive actualization. In addition, with the additional material, the graduates will be able to expand each section in a personalized way, allowing them to delve deeper into those aspects they consider most important for their clinical performance.





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Keep your Vademecum up to date with the latest oncogenic information and the invasive and non-invasive treatments for Genodermatoses that are currently showing the best results currently"

Module 1. Genodermatoses Predisposing to Skin Cancer

- 1.1. Neurofibromatosis
 - 1.1.1. Analysis of Neurofibromatosis
 - 1.1.2. Clinical features of neurofibromatosis
 - 1.1.3. Histopathology features of neurofibromatosis
 - 1.1.4. Treatment in neurofibromatosis
- 1.2. Tuberous Sclerosis
 - 1.2.1. Tuberous Sclerosis Evaluation
 - 1.2.2. Clinical manifestations of Tuberous Sclerosis
 - 1.2.3. Histopathology manifestations of Tuberous Sclerosis
 - 1.2.4. Treatment in tuberous sclerosis
- 1.3. Pseudoxanthoma elasticum
 - 1.3.1. Analysis of the elastic pseudoxanthoma
 - 1.3.2. Clinical features in Pseudoxanthoma elasticum
 - 1.3.3. Histopathology features in Pseudoxanthoma elasticum
 - 1.3.4. Treatment in pseudoxanthoma elasticum
- 1.4. Ehlers-Danlos Syndrome
 - 1.4.1. Evaluation of Ehlers-Danols syndrome
 - 1.4.2. Clinical features of Ehlers-Danols syndrome
 - 1.4.3. Histopathology in Ehlers-Danols syndrome
 - 1.4.4. Treatment in Ehlers-Danols syndrome
- 1.5. Muir-Torre syndrome
 - 1.5.1. Analysis of the Muir-Torre Syndrome
 - 1.5.2. Muir-Torre Syndrome Clinic
 - 1.5.3. Histopathology in Muir-Torre Syndrome
 - 1.5.4. Treatment in Muir-Torre Syndrome
- 1.6. Gorlin or nevoid basal cell carcinoma syndrome
 - 1.6.1. Evaluation of Gorlin's syndrome or nevoid basal cell carcinoma
 - 1.6.2. Clinical features of Gorlin's syndrome or nevoid basal cell carcinoma
 - 1.6.3. Histopathology features of Gorlin's syndrome or nevoid basal cell carcinoma
 - 1.6.4. Treatment in Gorlin's Syndrome or nevoid basal cell carcinoma





- 1.7. Cowden's syndrome (multiple hamartomas)
 - 1.7.1. Analysis of Cowden syndrome (multiple Hamartomas)
 - 1.7.2. Clinic in Cowden syndrome (multiple Hamartomas)
 - 1.7.3. Histopathology in Cowden's syndrome (multiple Hamartomas)
 - 1.7.4. Treatment in Cowden's syndrome (multiple Hamartomas)
- 1.8. Gardner syndrome
 - 1.8.1. Evaluation of Gardner's Syndrome
 - 1.8.2. Clinical features of Gardner's syndrome
 - 1.8.3. Histopathology in Gardner's Syndrome
 - 1.8.4. Treatment in Gardner syndrome
- 1.9. Pigmentovascular phakomatosis associated with hypochromic nevus
 - 1.9.1. Evaluation of pigmentovascular phakomatosis associated with hypochromic nevus
 - 1.9.2. Clinical features of Pigmentovascular phakomatosis associated with hypochromic nevus
 - 1.9.3. Histopathology features of Pigmentovascular phakomatosis associated with hypochromic nevus
 - 1.9.4. Treatment features of Pigmentovascular phakomatosis associated with hypochromic nevus
- 1.10. Congenital pachyonychia in multiple family members
 - 1.10.1. Analysis of Pachyonychia congenita
 - 1.10.2. Clinical features of pachyonychia congenita
 - 1.10.3. Histopathology in Pachyonychia congenita
- 1.10. 4 Treatment in Pachyonychia congenita



A program that includes a guaranteed family congenital study, so that you can implement the latest strategies in preventive diagnosis in your practice"

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 Genodermatoses with Oncogenic Potential guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





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

This program will allow you to obtain your **Postgraduate Certificate in Genodermatoses with Oncogenic Potential** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Genodermatoses with Oncogenic Potential**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University 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
development languages
virtual classroom



Postgraduate Certificate

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