

Postgraduate Certificate Dermatologic Pathology in the Oncology Patient





Postgraduate Certificate Dermatologic Pathology in the Oncology Patient

- » 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/dermatologic-pathology-oncology-patient

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

The skin alterations that can appear as a consequence of suffering from cancer or as a side effect of its treatments are varied, as well as their severity. This can considerably affect the patient's health, both from a physical and psychological point of view, favoring the appearance of adverse diseases. For this reason, and in order to provide specialists in this area with the latest information related to this field of Medicine, TECH has developed a complete program that includes the latest advances in the handling of Dermatological Pathology in Oncological Patient. Therefore, through a 100% online degree, you will be able to update your analysis, evolution, diagnosis and treatment in a comfortable and guaranteed way.





“

A convenient 100% online program that will provide you with the most innovative teaching resources to help you get current on the handling of Dermatologic Pathology in Oncologic Patient in only 6 weeks"

Cutaneous manifestations in oncology Patient are very frequent. Likewise, the variety, severity and causes that can lead to the appearance of these pathologies are also diverse, which is why specialists in this field work conscientiously on their prevention. In most cases, these alterations affect the patient considerably, both from the physical and psychological point of view, promoting the appearance of other diseases or deteriorating their quality of life. Clear examples are cutaneous reactions to chemotherapy (blisters, pigmentation changes, desquamation, pruritus), alopecia or mucositis.

Due to the very high frequency with which they appear, thousands of scientific studies have focused on their analysis, each year determining increasingly effective and efficient clinical strategies to prevent, diagnose and treat them. In order to provide medical specialists with the latest information on the subject, TECH has developed a complete program that includes the latest advances in this field. This is the Postgraduate Certificate in Dermatologic Pathology in Oncology Patient, a 180-hour degree in which the graduates will find the necessary resources to modernize their practice in a guaranteed way in only 6 weeks.

A team of experts in Dermatology, Oncology and Radiotherapy have worked intensively in shaping the theoretical, practical and additional material that makes up this academic experience. In addition to the syllabus, in the Virtual Campus you will find detailed videos, images, exercises based on real cases, dynamic summaries, research articles, news and much more material to delve into each section in a personalized way. All this compacted in a convenient 100% online format so that you can access your course whenever and wherever you want, without schedules or face-to-face classes and with the endorsement and commitment of the largest medical school in the world.

This **Postgraduate Certificate in Dermatologic Pathology in Oncologic Patient** 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



You will work with 180 hours of the best theoretical, practical and additional material selected by a team of experts in medicine of the highest level"

“

The best program on the market to delve into the latest advances in QT-induced skin lesions from wherever you want and whenever you want: no schedules or face-to-face classes"

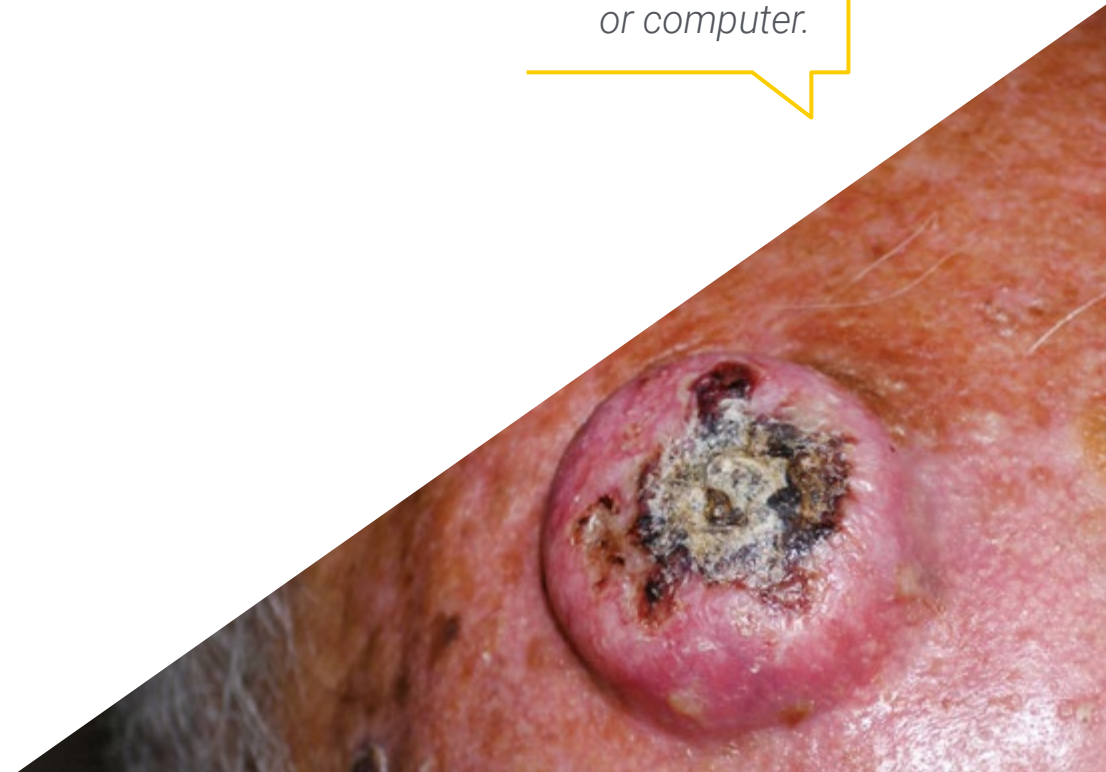
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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.

The design of this program focuses on Problem Based Learning, by which the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

Catch up on the latest innovations for the early diagnosis of Epidermal Cytotoxicity Erythema Acral Syndrome through dozens of hours of diverse additional material.

TECH Virtual Campus is compatible with any device with internet connection, so you can access it from your mobile, tablet or computer.



02 Objectives

The objective of this Postgraduate Certificate in Dermatologic Pathology in Oncologic Patient is none other than to provide the medical professionals with the best theoretical, practical and additional material that will allow them to be up to date in a comfortable, effective and, above all, reliable way. AThis way, not only will they have the opportunity to improve and expand their knowledge, but they will also be able to work on perfecting their skills through multiple didactic resources designed specifically for this purpose.



“

A program designed to meet the highest academic standards within the field of Dermatologic Oncology in today's clinical context"



General Objectives

- ◆ Provide specialists with the most complete and up-to-date information related to the management of Dermatologic Pathology in Oncological Patient
- ◆ Provide specialists with the practical and didactic resources that allow them to put their competences into practice, perfecting their skills in diagnosis, patient handling and therapeutics



Whatever your objectives are, TECH will help you achieve them by providing you with the latest and most complete information on its field of activity"





Specific Objectives

- ◆ Identify new developments regarding the most common dermatological manifestations in oncology Patient, such as chemotherapy-induced dermatitis, skin lesions associated with radiotherapy and adverse reactions to targeted therapies
- ◆ Evaluate and properly diagnose dermatologic complications in oncology Patient, such as secondary skin infections, skin reactions to medications and pressure ulcers
- ◆ Understand the pathophysiologic mechanisms underlying dermatologic manifestations in oncologic Patient, including immune system dysfunction, toxicity of treatments, and side effects of the disease itself
- ◆ Develop skills in the management and treatment of dermatologic conditions in oncologic Patient, including the use of topical medications, application of local cures, infection prevention and control of skin pain

03

Course Management

Both the direction and the teaching of this Postgraduate Certificate will be carried out by a team of professionals of the highest level within the field of Medicine, specifically in areas such as Dermatology, Oncology and Radiotherapy. They are also a group of active experts, so they know in detail the latest developments concerning the approach of Dermatologic Pathologies in Oncological Patient, knowledge that they will share with the graduates during the 6 weeks in which this academic experience takes place.





“

The teaching team has selected clinical cases from their practices, so that you can work on their resolution, perfecting your skills while applying the strategies that you will find in this Postgraduate Certificate"

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 Allergology, 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

“

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

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, GEPT, GICOR, ESTRO

04

Structure and Content

TECH is aware of the difficulty of compacting in only 180 hours all the necessary content to master the innovations related to the handling of Dermatological Pathologies in the Oncological Patient. Therefore, it has invested dozens of hours to synthesize the information, providing complementary multimedia resources so that the graduate can fulfill with guarantee its objective of getting up-to-date through the course of this degree. All this 100% online and in only 6 weeks.





“

Thanks to the Relearning method, you will be able to get ahead without having to invest extra hours in memorizing and studying long and tedious purely theoretical syllabi"

Module 1. Dermatologic Pathology in the Oncology Patient

- 1.1. Evaluation of dermatologic pathology in the oncology patient
 - 1.1.1. Pathology analysis
 - 1.1.2. Evolution of the pathology
 - 1.1.3. Epidemiology of the pathology
 - 1.1.4. Etiopathogenesis of the pathology
- 1.2. Diagnosis
 - 1.2.1. Clinical Symptoms
 - 1.2.2. Histology
 - 1.2.3. Immunohistochemistry
 - 1.2.4. Diagnosis
- 1.3. Skin lesions induced by conventional antineoplastic QT
 - 1.3.1. Erythema toxicum of QT
 - 1.3.2. Localized Epidermal Necrolysis
 - 1.3.3. Epidermal cytotoxicity syndrome Acral erythema/ Foot-hand syndrome
 - 1.3.4. Reactivation ("recall") reactions
- 1.4. Paraneoplastic dermatomyositis
 - 1.4.1. Paraneoplastic dermatomyositis analysis
 - 1.4.2. Paraneoplastic dermatomyositis Clinical Symptoms
 - 1.4.3. Paraneoplastic dermatomyositis Histopathology
 - 1.4.4. Paraneoplastic dermatomyositis Treatment
- 1.5. Paraneoplastic neutrophilic dermatoses
 - 1.5.1. Evaluation of paraneoplastic neutrophilic dermatoses
 - 1.5.2. Clinical signs of paraneoplastic neutrophilic dermatosis
 - 1.5.3. Histopathology of paraneoplastic neutrophilic dermatoses
 - 1.5.4. Treatment of paraneoplastic neutrophilic dermatoses
- 1.6. Graft-versus-host disease
 - 1.6.1. Analysis of graft-versus-host disease
 - 1.6.2. Clinical Symptoms of Graft-Versus-Host Disease (GVHD)
 - 1.6.3. Histopathology of Graft-Versus-Host Disease (GVHD)
 - 1.6.4. Treatment of graft-versus-host disease





- 1.7. Paraneoplastic pemphigus
 - 1.7.1. Evaluation of paraneoplastic pemphigus
 - 1.7.2. Clinical manifestations of paraneoplastic pemphigus
 - 1.7.3. Histopathology of paraneoplastic pemphigus
 - 1.7.4. Treatment of paraneoplastic pemphigus
- 1.8. Skin infections of dermatological interest in oncology Patient
 - 1.8.1. Analysis of skin infections
 - 1.8.2. Clinic of skin infections
 - 1.8.3. Histopathology of skin infections
 - 1.8.4. Treatment of skin infections
- 1.9. Cutaneous metastases of systemic neoplasms
 - 1.9.1. Analysis of metastasis of systemic neoplasms
 - 1.9.2. Clinical Symptoms of metastasis of systemic neoplasms
 - 1.9.3. Histopathology of metastasis of systemic neoplasms
 - 1.9.4. Treatment of metastasis of systemic neoplasms
- 1.10. Cutaneous Manifestations of Malignant Neoplasms
 - 1.10.1. Evolution of Cutaneous Manifestations of Malignant Neoplasms
 - 1.10.2. Clinical Manifestations of Cutaneous Manifestations of Malignant Neoplasms
 - 1.10.3. Histopathology of Cutaneous Manifestations of Malignant Neoplasms
 - 1.10.4. Treatment of Cutaneous Manifestations of Malignant Neoplasms

“Do not miss the opportunity to access the largest medical school in the world and enroll now in this Postgraduate Certificate in Dermatologic Pathology in Oncologic Patient”

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 Patient, 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 Patient, 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 Dermatologic Pathology in Oncology Patient guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

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 Dermatologic Pathology in Oncologic Patient** 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 Dermatologic Pathology in Oncologic Patient**

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.



Postgraduate Certificate

Dermatologic Pathology in the Oncology Patient

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

Postgraduate Certificate
Dermatologic Pathology
in the Oncology Patient

