



Postgraduate Diploma

Risk Factors for Skin Cancer

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Schedule: at your own pace

» Exams: online

We b site: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-risk-factors-skin-cancer

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tech 06 | Introduction

Recent studies have shown that patients with Gardner Syndrome have a higher probability of developing Basal Cell Carcinoma, Squamous Cell Carcinoma and Malignant Melanoma compared to the general population. This is due to the presence of inherited genetic mutations that affect cell growth regulation and DNA repair. For this reason, it is important for the clinical specialists to be constantly informed of the latest scientific evidence that allows them to be up to date with the latest diagnostic techniques, evaluation, treatment and prevention of this pathology and other similar diseases.

In this sense, TECH has designed this program that allows the professional to experience an adequate education about the risk factors of Skin Cancer. This way, the clinical specialist will deepen in hereditary diseases with cutaneous manifestations, oral cavity squamous cell carcinoma, Kaposi's sarcoma and other cutaneous neoplasms. Likewise, they will expand their knowledge of diagnostic tests in skin cancer, dermoscopy and molecular biology techniques.

Also, this Postgraduate Diploma provides versatility, which will allow the physician to access its content at any time and location. In addition, this curriculum incorporates in its teaching methodology the Relearning system, which facilitates the consolidation of the most important concepts in a faster way. All this, accompanied by a variety of pedagogical resources such as real case studies and video summaries stored in a virtual library with unlimited access from any device connected to the network.

This **Postgraduate Diploma in Risk Factors for Skin Cancer** 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 identify and evaluate the most recurrent Risk Factors for Skin Cancer such as skin photo-types and chemical exposure"



An academic option that will allow you to stay ahead of advances in nucleic acid hybridization techniques"

The program's teaching staff includes professionals from the sector who contribute their work experience to this program, in addition to 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 immersive 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. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

With this 100% online program you will address the different types of Skin Cancer from Melanoma to unrelated diseases.

You will be up to date on the clinical signs that could make the difference in the early diagnosis of skin cancer.







tech 10 | Objectives



General Objectives

- Identify and classify the different types of skin cancer, including melanoma, basal cell carcinoma, squamous cell carcinoma and other less common subtypes
- Understand the risk factors associated with the development of skin cancer and its importance in prevention and early detection
- Perform a thorough clinical evaluation of patients with cutaneous cancer, including history, physical examination and interpretation of complementary tests
- Apply appropriate diagnostic techniques to confirm or rule out the presence of skin cancer, such as dermoscopy, biopsy and cytology
- Develop skills in the therapeutic management of different types of Skin Cancer, including surgery, radiotherapy, photodynamic therapy and the use of systemic therapies
- Evaluate and manage the complications and side effects associated with Skin Cancer treatments, such as infections, scarring and pigmentation disorders
- Provide genetic counseling to patients and their families in cases of hereditary cutaneous cancer or predisposing genodermatoses
- 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





Specific Objectives

Module 1. Skin Cancer

- Identify and describe the different types of skin cancer, including melanoma, basal cell carcinoma, squamous cell carcinoma and other less common subtypes
- Deepen the risk factors associated with the development of Skin Cancer and its relationship with sun exposure, family history and genetic conditions
- Be updated on the clinical and dermatoscopic features of skin lesions suspicious for cancer and to differentiate them from benign lesions
- Be up to date on the clinical and dermatoscopic features of skin lesions suspicious for cancer and differentiate them from benign lesions

Module 2. Other Skin Neoplasms

- Be up to date on the clinical and dermoscopic features of premalignant or malignant cutaneous sarcomas and other cutaneous neoplasms to differentiate them from other benign skin lesions
- Be up to date on the risk factors associated with the development of cutaneous sarcomas, such as previous radiation, chemical exposure and certain genetic predispositions
- Delve into the latest advances in the different types of penile cancer and anal cancer, including their clinical characteristics, risk factors and treatment options
- Review the identification and clinical evaluation of oral leukoplakia lesions and understand their relationship to the development of oral cancer

Module 3. Genodermatoses Predisposing to Skin Cancer

- 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
- 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



You will delve into Genodermatosis, its relationship with Skin Cancer and how to prevent pathologies that can be inherited"



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Management



Dr. Payano Hernández, Stephanyie

- Radiation Oncology at the Rey Juan Carlos University Hospital
- Radiation Oncology, Madrid Sanchinarro University Hospita
- 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, ICAPEN



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- * 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 Hospita
- Area Specialist at the Gómez Ulla Central Defense Hospital
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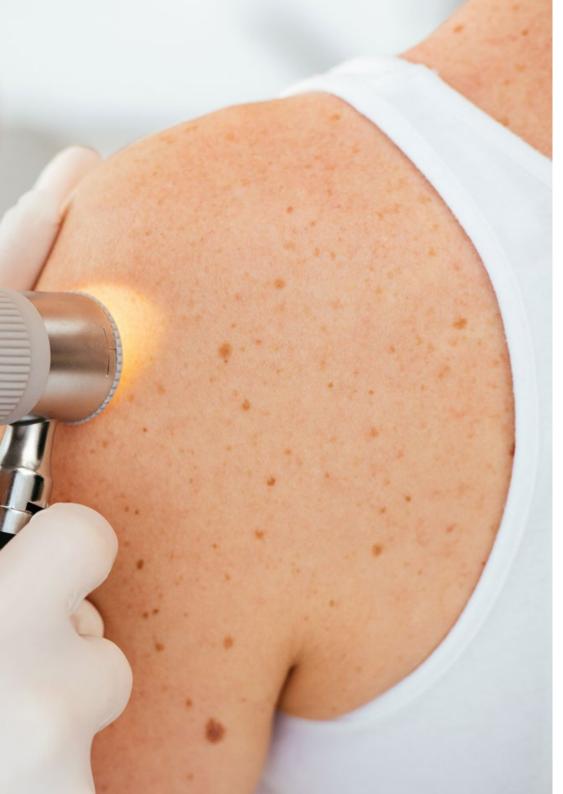
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Professors

Dr. Amaya Escobar, Enrique

- Physician in the Radiation Oncology Department of the Rey Juan Carlos University Hospital
- * Radiation Oncologist at the Puerta de Hierro University Hospital
- Faculty Physician in the Treatment Oncology Service at the Madrid Norte Sanchinarro University Hospital
- * Area Specialist at the Radiation Oncology Department Jove Hospital Foundation
- Area Specialist in the Radiation Oncology Department at the Rey Juan Carlos University Hospital
- Honorary Collaborator as a professor of Medicine at the Rey Juan Carlos University
- TER Professor Subject: Brachytherapy at the ITEP Training Center
- * Coordinator Internships in Clinical Centers at ITEP Training Center
- Online Master in Thoracic Oncology at the CEU University
- Professional Master's Degree in Clinical Management, Medical and Health Care Management at the Technological University TECH
- Degree in Medicine from the Complutense University of Madrid
- Member of SEOR, SEOC, ESTRO, GICOR, GETTCC, URONCOR, SYROG, IRSA





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- Specialist Physician of the Radiation Oncology Service of the Rey Juan Carlos University Hospital
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- Professor Professional Master's Degree in Radiation Oncology CEU-Cardenal Herrera University
- Practical formation for Senior Technician in Radiotherapy by ITEP academy
- Degree in Medicine from the University of Castilla La Mancha
- Member of SEOR ESTRO

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





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Module 1. Skin Cancer

- 1.1. Advanced skin biology
 - 1.1.1. Skin Anatomy
 - 1.1.2. Functions of the Skin
 - 1.1.3. Structural characteristics of the skin
 - 1.1.4. Epidermis, Dermis, Hypodermis, Skin appendages
- 1.2. Genetics of skin cancer
 - 1.2.1. Analysis of the genetics of skin cancer
 - 1.2.2. Heredity and risk
 - 1.2.3. Genes associated with skin cancer
 - 1.2.4. Syndromes associated with Skin Cancer
 - 1.2.5. Other genes with possible susceptibility in Melanoma
- 1.3. Risk Factors
 - 1.3.1. Description of risk factors
 - 1.3.2. Skin photo-types
 - 1.3.3. Radiation exposure
 - 1.3.4. Exposure to certain chemicals
- 1.4. Prevention of skin cancer
 - 1.4.1. Evaluation of skin cancer prevention
 - 1.4.2. Photo protection
 - 143 Sunscreens
 - 1.4.4. Other Measures
- 1.5 Classification
 - 1.5.1. Non-Melanoma Skin Cancer
 - 1.5.2. Basal Cell Carcinoma
 - 1.5.3. Squamous cell carcinoma of the skin
 - 1.5.4. Melanoma
- 1.6. Clinical signs and symptoms
 - 1.6.1. Signs and symptoms of basal cell carcinoma.
 - 1.6.2. Signs and symptoms of squamous cell carcinoma
 - 1.6.3. Signs and symptoms of Melanoma
 - 1.6.4. Signs and symptoms of less common types of skin cancer

- 1.7. Diagnostic tests in skin cancer
 - 1.7.1. Analysis of diagnostic tests in Skin Cancer
 - 1.7.2. Confocal reflectance microscopy
 - 1.7.3. Biopsies
 - 1.7.4. Skin ultrasound
- .8. Dermatoscopy
 - 1.8.1. Analysis of dermoscopy of hyperpigmented lesions
 - 1.8.2. Description of the dermoscopic parameters used in the 3-point rule and the BLINCK algorithm.
 - 1.8.3. Dermatoscopic diagnostic procedure
 - 1.8.4. Three-point rule
- 1.9. Margin study method
 - 1.9.1. Considerations on the margins of lateral and deep resection in the pieces of skin tumor excision
 - 1.9.2. Evaluation of the surgical margins of basal cell carcinoma.dermoscopic
 - 1.9.3. Evaluation of Melanoma margins
- 1.10. Molecular Biology Techniques
 - 1.10.1. Evaluation of molecular biology techniques
 - 1.10.2. Molecular biology in dermatological diagnostics
 - 1.10.3. Obtaining DNA/RNA
 - 1.10.4. Nucleic acid hybridization techniques

Module 2. Other Skin Neoplasms

- 2.1. Evaluation of other skin neoplasms
 - 2.1.1. Classification of other skin neoplasms
 - 2.1.2. Staging of other skin neoplasms
 - 2.1.3. Diagnosis of other skin neoplasms
- 2.2. Oral cavity squamous cell carcinoma
 - 2.2.1. Analysis of squamous cell carcinoma of the oral cavity
 - 2.2.2. Histopathology of oral cavity squamous cell carcinoma
 - 2.2.3. Diagnosis of oral cavity squamous cell carcinoma
 - 2.2.4. Treatment of squamous cell carcinoma of the oral cavity



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- 2.3. Penile squamous cell carcinoma
 - 2.3.1. Evaluation of penile squamous cell carcinoma
 - 2.3.2. Histopathology of penile squamous cell carcinoma
 - 2.3.3. Diagnosis of penile squamous cell carcinoma
 - 2.3.4. Treatment of penile squamous cell carcinoma
- 2.4. Anal squamous carcinoma
 - 2.4.1. Analysis of anal squamous cell carcinoma
 - 2.4.2. Histopathology of anal squamous cell carcinoma
 - 2.4.3. Diagnosis of anal squamous cell carcinoma
 - 2.4.4. Treatment of anal squamous cell carcinoma
- 2.5. Kaposi's Sarcoma
 - 2.5.1. Evaluation of Kaposi's sarcoma
 - 2.5.2. Histopathology of Kaposi's Sarcoma
 - 2.5.3. Diagnosis of Kaposi's sarcoma
 - 2.5.4. Treatment of Kaposi's sarcoma
- 2.6. Leukoplakia
 - 2.6.1. Analysis of Leukoplakia
 - 2.6.2. Histopathology of Leukoplakia
 - 2.6.3. Diagnosis of Leukoplakia
 - 2.6.4. Treatment of leukoplakia
- 2.7. Keratoacanthomas
 - 2.7.1. Evaluation of Keratoacanthomas
 - 2.7.2. Histopathology of keratoacanthomas
 - 2.7.3. Diagnosis of Keratoacanthomas
 - 2.7.4. Treatment of keratoacanthomas
- 2.8. Invasive Paget's Disease
 - 2.8.1. Analysis of extramammary Paget's disease
 - 2.8.2. Histopathology of extramammary Paget's disease
 - 2.8.3. Diagnosis of extramammary Paget disease
 - 2.8.4. Treatment of extramammary Paget disease

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- 2.9. Malignant subcutaneous or soft-tissue tumors (sarcomas)
 - 2.9.1. Dermatofibrosarcoma
 - 2.9.2. Leiomyosarcomas
 - 2.9.3. Rhabdomyosarcoma
 - 2.9.4. Liposarcomas
- 2.10. Epidermal lesions
 - 2.10.1. Actinic Keratosis
 - 2.10.2. Bowen's Disease
 - 2.10.3. Spitzoid lesions

Module 3. Genodermatoses Predisposing to Skin Cancer

- 3.1. Neurofibromatosis
 - 3.1.1. Analysis of Neurofibromatosis
 - 3.1.2. Clinical features of neurofibromatosis
 - 3.1.3. Histopathology features of neurofibromatosis
 - 3.1.4. Treatment in neurofibromatosis
- 3.2. Tuberous Sclerosis
 - 3.2.1. Tuberous Sclerosis Evaluation
 - 3.2.2. Clinical manifestations of Tuberous Sclerosis
 - 3.2.3. Histopathology manifestations of Tuberous Sclerosis
 - 3.2.4. Treatment in tuberous sclerosis
- 3.3. Pseudoxanthoma elasticum
 - 3.3.1. Analysis of the elastic pseudoxanthoma
 - 3.3.2. Clinical features in Pseudoxanthoma elasticum
 - 3.3.3. Histopathology features in Pseudoxanthoma elasticum
 - 3.3.4. Treatment in pseudoxanthoma elasticum
- 3.4. Ehlers-Danlos Syndrome
 - 3.4.1. Evaluation of Ehlers-Danols syndrome.
 - 3.4.2. Clinical features of Ehlers-Danols syndrome
 - 3.4.3. Histopathology in Ehlers-Danols syndrome
 - 3.4.4. Treatment in Ehlers-Danols syndrome





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3.5.	Muir-Torre	syndrome

- 3.5.1. Analysis of the Muir-Torre Syndrome
- 3.5.2. Muir-Torre Syndrome Clinic
- 3.5.3. Histopathology in Muir-Torre Syndrome
- 3.5.4. Treatment in Muir-Torre Syndrome
- 3.6. Gorlin or nevoid basal cell carcinoma syndrome
 - 3.6.1. Evaluation of Gorlin's syndrome or nevoid basal cell carcinoma
 - 3.6.2. Clinical features of Gorlin's syndrome or nevoid basal cell carcinoma
 - 3.6.3. Histopathology features of Gorlin's syndrome or nevoid basal cell carcinoma
 - 3.6.4. Treatment in Gorlin's Syndrome or nevoid basal cell carcinoma
- 3.7. Cowden's syndrome (multiple hamartomas)
 - 3.7.1. Analysis of Cowden syndrome (multiple Hamartomas)
 - 3.7.2. Clinic in Cowden syndrome (multiple Hamartomas)
 - 3.7.3. Histopathology in Cowden's syndrome (multiple Hamartomas)
 - 3.7.4. Treatment in Cowden's syndrome (multiple Hamartomas)
- 3.8. Gardner syndrome
 - 3.8.1. Evaluation of Gardner's Syndrome
 - 3.8.2. Clinical features of Gardner's syndrome
 - 3.8.3. Histopathology in Gardner's Syndrome
 - 3.8.4. Treatment in Gardner syndrome
- 3.9. Pigmentovascular phakomatosis associated with hypochromic nevus
 - 3.9.1. Evaluation of pigmentovascular phakomatosis associated with hypochromic nevus.
 - 3.9.2. Clinical features of Pigmentovascular phakomatosis associated with hypochromic nevus
 - 3.9.3. Histopathology features of Pigmentovascular phakomatosis associated with hypochromic nevus
 - 3.9.4. Treatment features of Pigmentovascular phakomatosis associated with hypochromic nevus
- 3.10. Congenital pachyonychia in multiple family members
 - 3.10.1. Analysis of Pachyonychia congenita
 - 3.10.2. Clinical features of pachyonychia congenita
 - 3.10.3. Histopathology in Pachyonychia congenita
 - 3.10.4. Treatment in Pachyonychia congenita





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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:

- 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.



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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.

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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

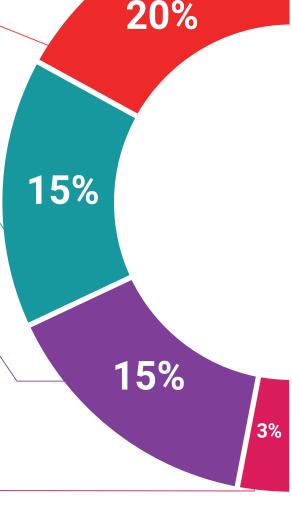
TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many 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.

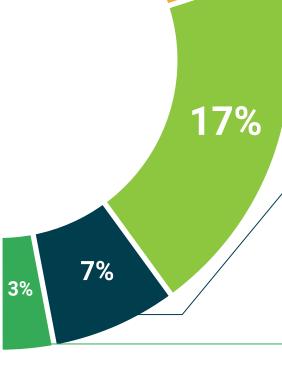
The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



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.









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This **Postgraduate Diploma in Risk Factors for Skin Cancer** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

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

Title: Postgraduate Diploma in Risk Factors for Skin Cancer
Official N° of Hours: 450 h.



June 17, 2020

technological university Postgraduate Diploma Risk Factors for Skin Cancer

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

