Postgraduate Certificate

Melanoma

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Postgraduate Certificate

Melanoma

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

Website: www.techtitute.com/us/medicine/postgraduate-certificate/melanoma

Index

01

Introduction

Melanoma is a highly aggressive variant of Skin Cancer and can represent a mortal risk if it does not receive adequate treatment. Also, its surgical option involves wide local excision and sometimes lymphadenectomy. Therefore, it is crucial for physicians to be up to date in this field of Oncology due to the complexity of the pathology and its possible negative consequences. This is why TECH has created a program that offers the medical specialist a high-level review of Molecular Targets and markers of Melanoma, its classification and clinical stages. In addition, the degree allows you to carry out your daily activities without leaving aside any responsibility since you will not be subject to a pre-established schedule.

With TECH you will upgrade your knowledge in the Therapeutic Targets that can inhibit Melanoma metastasis"

The complexity of melanoma encompasses all its stages, from early detection to surgical treatment in most cases. Therefore, this complexity, added to its capacity to cause serious consequences, makes it essential for physicians to keep up to date in the field of oncology and, in particular, in the treatment and management of this pathology. This is why keeping up to date with the latest medical advances, innovative therapies and advanced surgical approaches is critical to providing patients with the best possible care and improving their survival prospects.

In this particular context, TECH has created a program that will ensure that the medical professional is up-to-date with the latest techniques and scientific advances in the rapid diagnosis and effective treatment of Melanoma. This way, the clinical expert will deepen in the description of molecular targets in Melanoma, the mechanisms of invasion and metastasis, and anti-adhesion molecule therapy, and in the therapeutic targets localized in the tumor cells themselves. In addition, you will be able to expand your knowledge in the surgical treatments of Melanoma such as Local Excision, Mohs Surgery and Lymphadenectomy.

The Diploma is offered 100% online and incorporates in its methodology the Relearningsystem, which guarantees the student an easy memorization of concepts in a minimum amount of time. Also, the program features a series of innovative multimedia resources such as detailed videos and real case studies that can be accessed anytime, anywhere with an internet-connected device.

This **Postgraduate Certificate in Melanoma** 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 delve into the Biological Prognostic Markers in Melanoma and how they can help in the choice of the appropriate treatment"

You will explore in detail the Molecular Classification of Melanoma, from the superficial extension variant to the nodular"

Thanks to this course you will implement in your medical practice the ABCDE of the pathology, to detect the signs of early Melanoma.

You will expand your knowledge of the Clinical Stages of Melanoma and how they affect the results of treatment.

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.

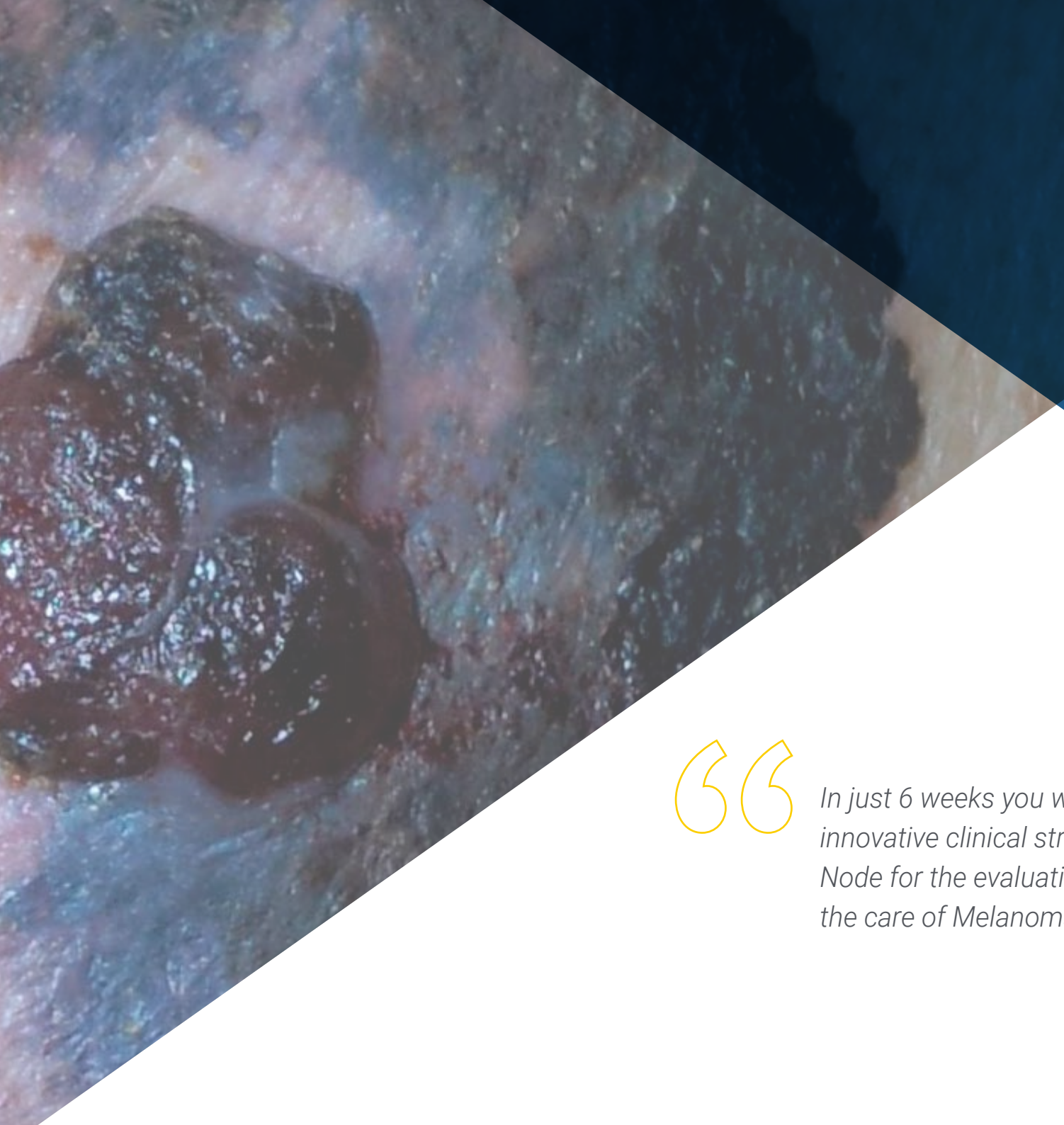
Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersion education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by 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.

02

Objectives

The purpose of this Postgraduate Diploma is simply to provide the medical specialist with an upgrade of knowledge based on the latest scientific evidence in the field of Melanoma. This way, you will be able to detect early suspicious lesions, perform biopsies and specific diagnostic tests for the development of individualized treatment plans for each patient. With this in mind, TECH has created a degree that gives the clinical expert the alternative of carrying out this course from any place and at any time, as it is not subject to a fixed timetable.



In just 6 weeks you will master the use of the most innovative clinical strategies based on the Sentinel Node for the evaluation and lymphatic mapping in the care of Melanoma"

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

You will achieve an effective upgrade in the latest surgical and reconstructive techniques in cancer pathologies"

Specific Objectives

- Identify risk factors associated with the development of melanoma, such as intense sun exposure, family history and presence of atypical nevi
- Review the different histologic subtypes of melanoma and understand their importance in prognosis and therapeutic management
- Keep up to date with the classification and staging criteria for Melanoma, using systems such as the TNM system and the Breslow Index
- Investigate the latest developments concerning the role of excisional biopsy and sentinel lymph node biopsy in the diagnosis and staging of Melanoma

03

Course Management

TECH has brought together in this course widely recognized experts in the field of Radiation Oncology. This way, medical professionals will have access to a high-level program developed by true specialists in the treatment of various cancer pathologies, especially those affecting the skin. This degree offers graduates the opportunity to participate in an advanced academic experience with leading professionals in the field.

You will have experts in Radiation Oncology with whom you will delve into Adjuvant Treatment options in Melanoma, such as Chemotherapy, Radiotherapy, Immunotherapy and Targeted Therapy"

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 Sciencesm, 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

Professors

Dr. Silva Ruiz, Jorge

- Head of the Radiation Oncology Service at the Rey Juan Carlos University Hospital
- Doctor at the Jiménez Díaz Foundation
- Specialist in Oncology at the Alcorcón Hospital Foundation
- Area Specialist Physician at the University Hospital of Fuenlabrada
- Post-MIR Research Assistant at the National Cancer Research Center
- Degree in Medicine and Surgery from the Complutense University of Madrid

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 degree offers the health professional an overview of the most advanced concepts in Melanoma. This will ensure a complete upgrade in the different molecular targets that can be used to treat cancer, including those that drive the mechanisms of invasion and metastasis. It will also delve into the treatments used in combination with surgery, such as chemotherapy, radiotherapy, immunotherapy and targeted therapy, and the different biological markers used to predict the prognosis of the disease, such as Hsp90 and Osteopontin. A 100% online degree, which adapts to the needs and is flexible with the graduate's schedule.

With the Relearning method, you will reduce hours of study and increase your long-term understanding"

Module 1. Melanoma

1.1. Molecular Targets in Melanoma
- 1.1.1. Description of Molecular Targets in Melanoma
- 1.1.2. Molecular targets that drive the mechanisms of invasion and metastasis: anti adhesion molecule therapy
- 1.1.3. Therapeutic targets localized in the tumor cells themselves
- 1.1.4. Therapeutic targets localized in structures outside the neoplastic cells

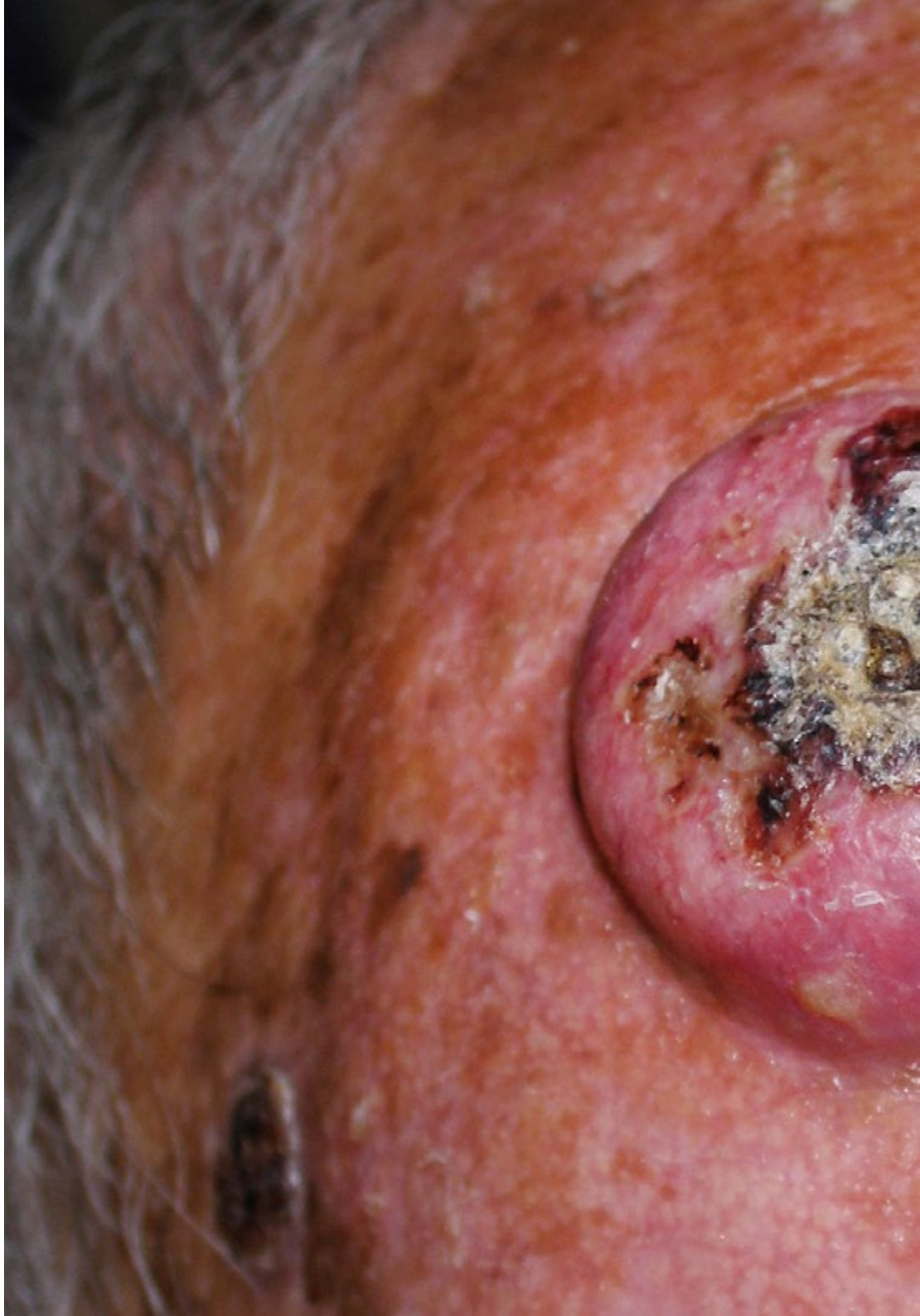
1.2. Biologic prognostic markers in melanoma
- 1.2.1. Hsp90
- 1.2.2. RGS1
- 1.2.3. Osteopontin
- 1.2.4. HER3

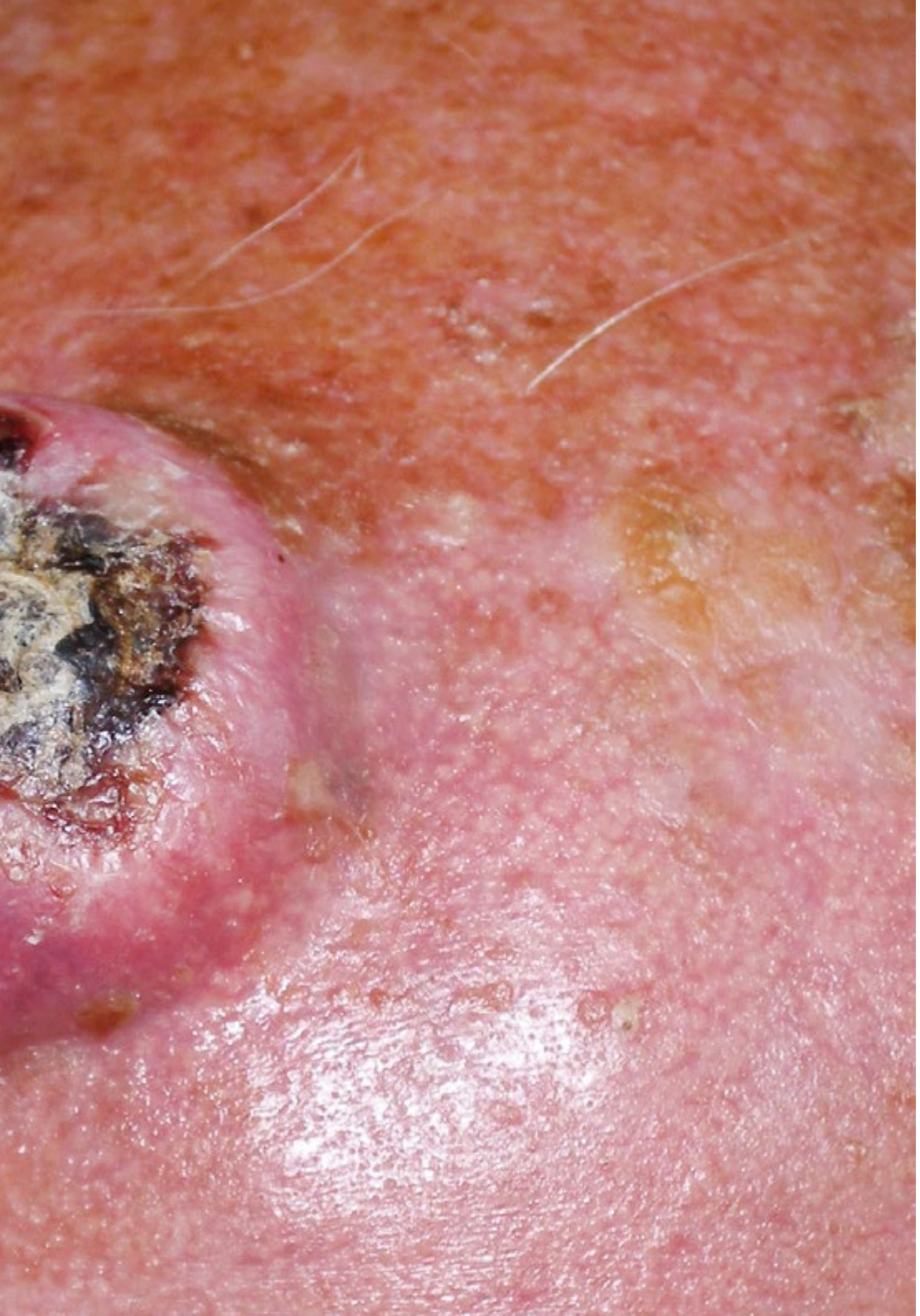
1.3. Classification of Melanoma
- 1.3.1. Melanoma of superficial extension
- 1.3.2. Nodular melanoma
- 1.3.3. Acral lentiginous melanoma
- 1.3.4. Mucosal melanoma

1.4. Molecular classification of melanoma
- 1.4.1. Molecular Analysis of melanoma
- 1.4.2. Melanomas on sun-damaged skin
- 1.4.3. Melanomas on skin without sun damage

1.5. The ABCDE of Melanoma
- 1.5.1. Asymmetries
- 1.5.2. Border
- 1.5.3. Color
- 1.5.4. Diameter
- 1.5.5. Evolution

1.6. Clinical Stages of Melanoma
- 1.6.1. Melanoma staging system
- 1.6.2. Stage 0 Melanoma (Melanoma in situ)
- 1.6.3. Clinical Stage I and II
- 1.6.4. Clinical Stage III - Clinical Stage IV





1.7. Sentinel lymph node in Melanoma
  1.7.1. Sentinel lymph node assessment in Melanoma
  1.7.2. Lymphatic mapping
  1.7.3. Biopsy of Sentinel Lymph Node
1.8. Surgical Treatment of Melanoma
  1.8.1. Extensive local excision
  1.8.2. Mohs Surgery
  1.8.3. Lymphadenectomy
1.9. Melanoma Reconstruction
  1.9.1. Skin graft
  1.9.2. Local flap
  1.9.3. Free flap
1.10. Adjuvant Treatment of Melanoma
  1.10.1. Chemotherapy
  1.10.2. Radiotherapy
  1.10.3. Immunotherapy
  1.10.4. Targeted therapy

You will have at hand innovative multimedia resources such as real case studies, with which you will be able to identify and classify the types of Melanoma"

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:

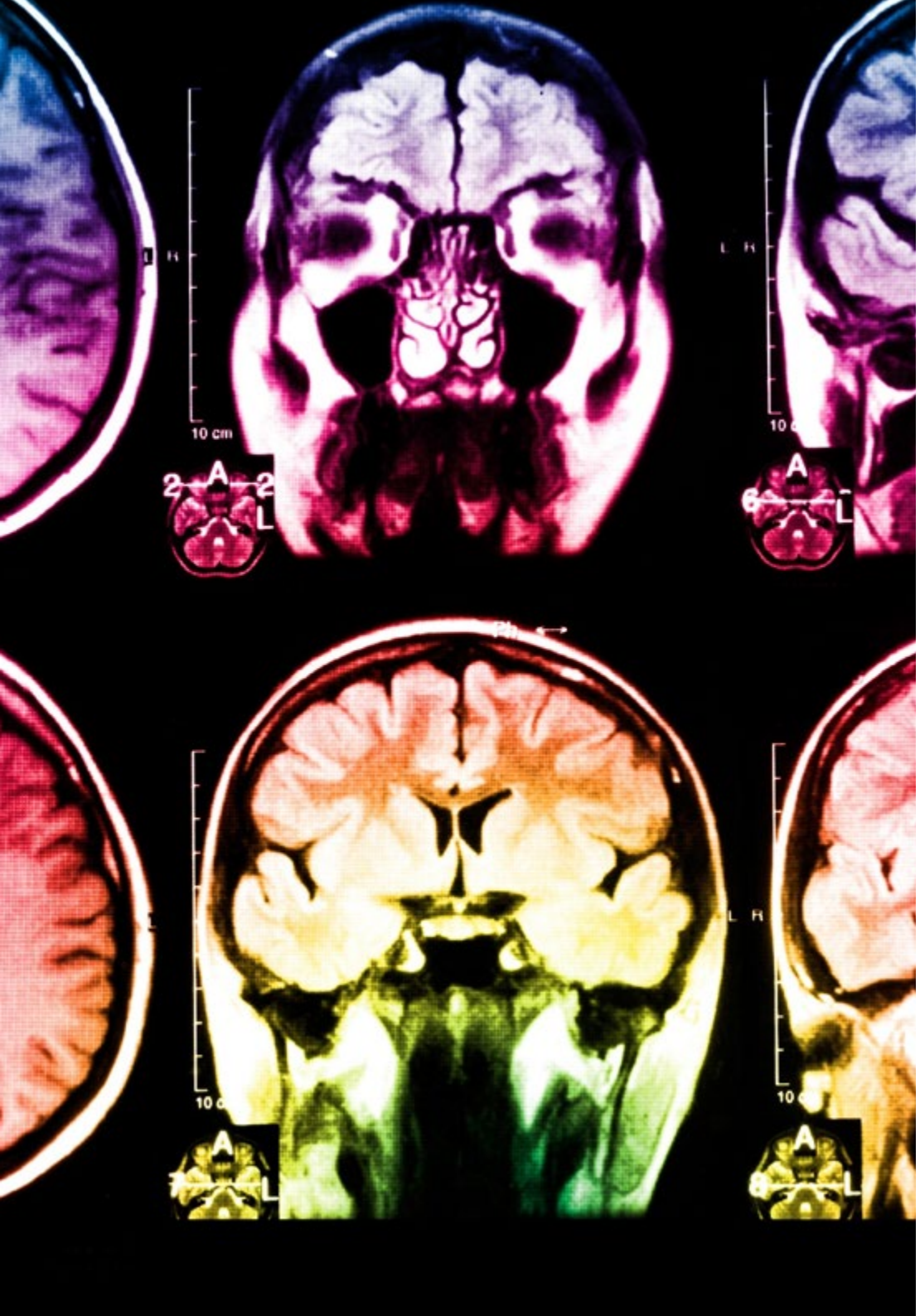
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better 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.

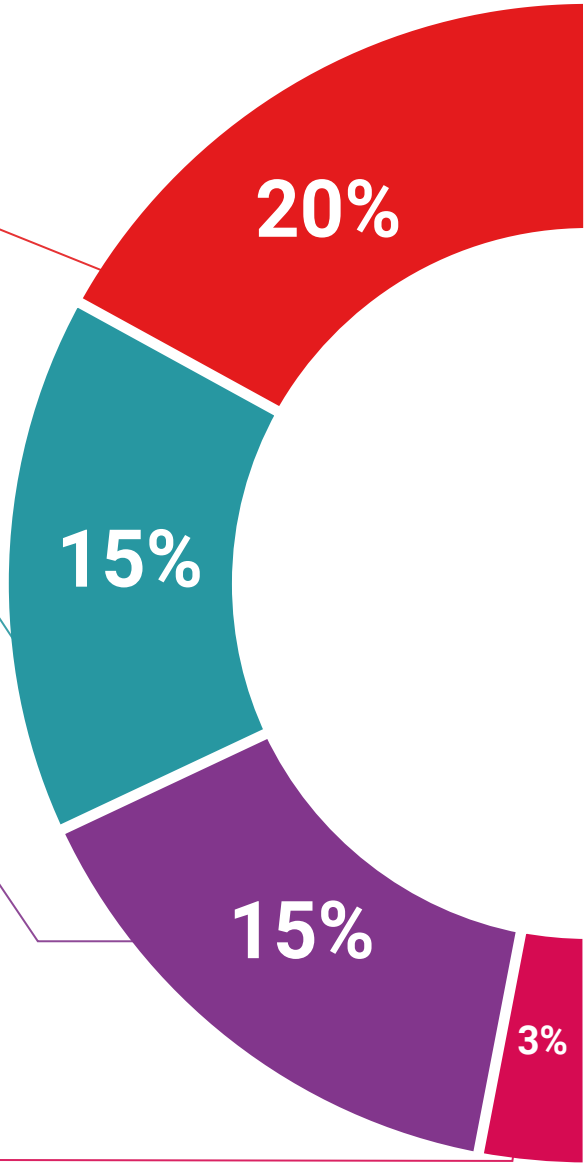
Interactive Summaries

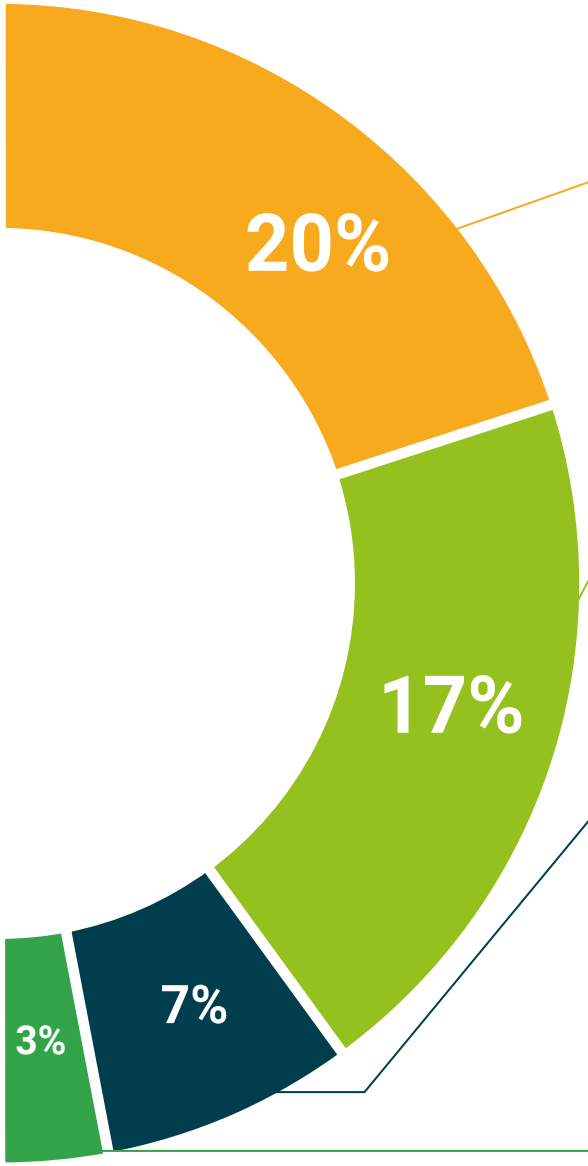
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Melanoma 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 Melanoma** 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 Melanoma**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Melanoma

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

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