Postgraduate Certificate
Infections in Oncohematology

tech *global university*

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Postgraduate Certificate
Infections in Oncohematology

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

Website: **www.techtitute.com/us/medicine/postgraduate-certificate/infections-oncohematology**

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01
Introduction

Cancer and its treatments can weaken the immune system, increasing the risk of infections in oncohematologic patients. For this reason, it is essential that healthcare professionals are updated on the latest trends and advances in the diagnosis and treatment of these infections. In view of this, TECH has created a comprehensive Postgraduate Certificate that offers an expansion of knowledge in this area. It uses the Relearning pedagogical methodology, which provides the flexibility to organize the academic resources according to the needs of the students. This Postgraduate Certificate is 100% online and is designed so that health professionals can improve their clinical skills and provide better care to oncohematological patients.

> *Discover the latest trends and advances in diagnosis and treatment of oncohematological diseases with this Postgraduate Certificate focused on infections"*

Oncohematologic infections are a frequent and serious complication in hematologic cancer patients. For this reason, it is essential to have highly trained professionals in the identification and management of these pathologies.

The Postgraduate Certificate in Infections in Oncohematology provides students with a specialized and updated education in the approach to these infectious complications in patients with blood cancer. The Postgraduate Certificate is designed to offer a complete vision of these diseases, from their diagnosis to their treatment, taking into account the particularities of those suffering from these conditions.

The Postgraduate Certificate has a duration of 150 teaching hours and is 100% online, which allows students to access the didactic material at any time and from anywhere. In addition, the teaching methodology of Relearning is based on the construction of knowledge through the resolution of clinical cases, which allows the student to apply the knowledge acquired in real situations.

Students will be able to access the didactic material asynchronously and follow the learning pace that best suits their needs and time availability. This degree provides comprehensive, up-to-date and flexible learning. Trainees will be ready to offer comprehensive and quality treatment to their patients.

This **Postgraduate Certificate in Infections in Oncohematology** 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 Infections in Oncohematology
- 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

Learn from the best hematology specialists in the national and international medical scene with TECH"

" *Expand your clinical skills and acquire updated knowledge about Infections in Oncohematology with this Postgraduate Certificate"*

The Relearning Method will allow you to organize your academic resources in an efficient and dynamic way.

Access innovative and multimedia didactic material 24 hours a day, 7 days a week.

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

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.
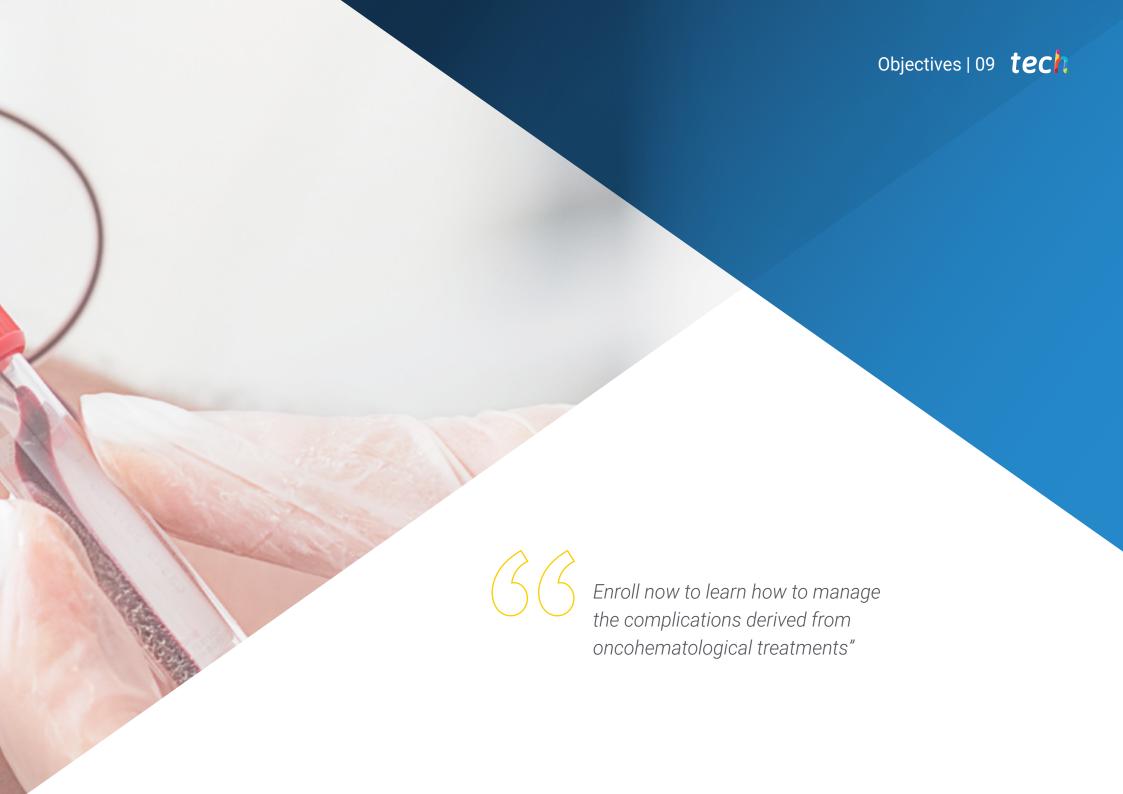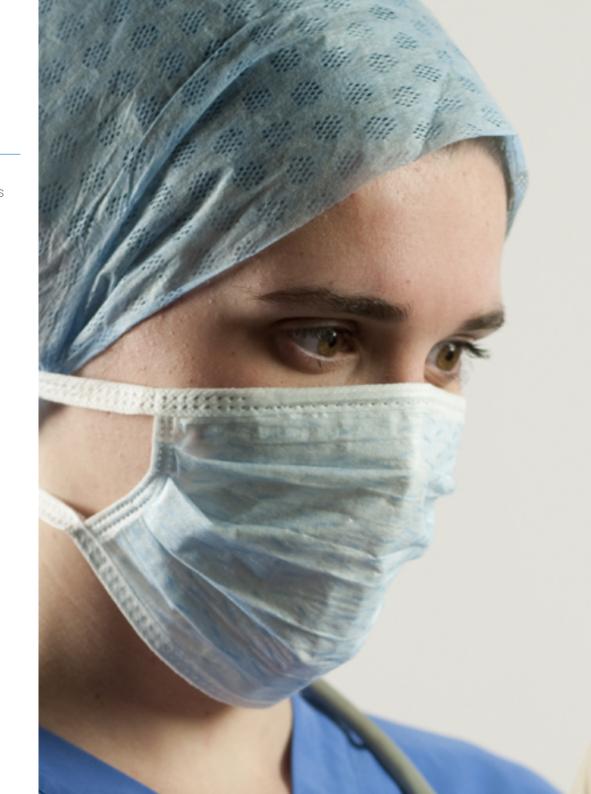
The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

02
Objectives

The Postgraduate Certificate aims to provide the specialist with the most current scientific evidence in the field of oncohematology, which is achieved throughout its 150 teaching hours. The student will have the opportunity to update their knowledge in relation to the new diagnostic classifications for certain treatments for blood pathologies due to cancer. With this Postgraduate CerAtificate, students will have a global and updated vision of the difficulties in the treatment of infections in patients of this type. For this reason, TECH has established a series of general and specific objectives for the satisfaction of future graduates, as follows.

"

Enroll now to learn how to manage the complications derived from oncohematological treatments"

General Objectives

- Delve into the etiopathogenesis, diagnosis and prognosis of myelodysplastic syndromes
- Update the pharmacological knowledge used in Oncohematology
- Investigate the most recent scientific publications on the most appropriate treatments in LAL
- Delve into the growing problem of resistant microorganisms
- Assess the evidence and current recommendations on prophylaxis
- Deepen in the routine care of oncohematological patients affected by SARS-CoV2

A unique, key, and decisive educational experience to boost your professional development"

Specific Objectives

- Optimize the routine management of oncohematological patients, which greatly involves infections
- Deepen in the growing problem of resistant bacteria, the different mechanisms of resistance and their surveillance
- Delve into the role of new antibiotics and a judicious policy in the use of empirical anti-biotherapy
- Point out the importance of de-escalation and good epidemiological management of each center
- Identify the current evidence and recommendations on prophylaxis and the different modalities of antifungal treatment (empirical, anticipatory or targeted)
- Deepen in the novelties regarding prophylaxis and treatment of different viruses, especially CMV, VZV or (of course) SARS-CoV2

03
Structure and Content

The Postgraduate Certificate in Infections in Oncohematology offers comprehensive studies covering the latest trends and advances in the diagnosis and treatment of diseases such as aspergillosis, prophylaxis and invasive candidiasis. With a total of 150 teaching hours, students will have the opportunity to delve into the most current scientific evidence to improve their clinical skills. In addition, the innovative teaching material is available at all times, so that students can access it 24 hours a day, 7 days a week.

"
Update your knowledge on Infections in Oncohematology with our Postgraduate Certificate and become a highly qualified professional"

Module 1. Infections in oncohematology

1.1.   Bacteria
    1.1.1.   Basis of empirical treatment
    1.1.2.   Resistant bacteria management
    1.1.3.   Antibiotic de-escalation
1.2.   Invasive fungal infections. General Aspects
    1.2.1.   Prophylaxis: indications and alternatives
    1.2.2.   Empirical and targeted treatment
    1.2.3.   Possible, probable or proven IFI
1.3.   Invasive aspergillosis
    1.3.1.   Epidemiology. Serial monitoring
    1.3.2.   Treatment choice
    1.3.3.   Primary and Secondary Prophylaxis Surgery
1.4.   Invasive candidiasis
    1.4.1.   Epidemiology, clinical and diagnostic
    1.4.2.   Empirical and targeted treatment. Step-down
    1.4.3.   Prophylaxis Central venous catheter removal
1.5.   Other fungal infections
    1.5.1.   Mucormycosis
    1.5.2.   Fusarium, Scedosporium and Lomentospora
    1.5.3.   Pneumocystis: diagnosis and indications for prophylaxis
1.6.   Cytomegalovirus
    1.6.1.   Epidemiology and Diagnosis
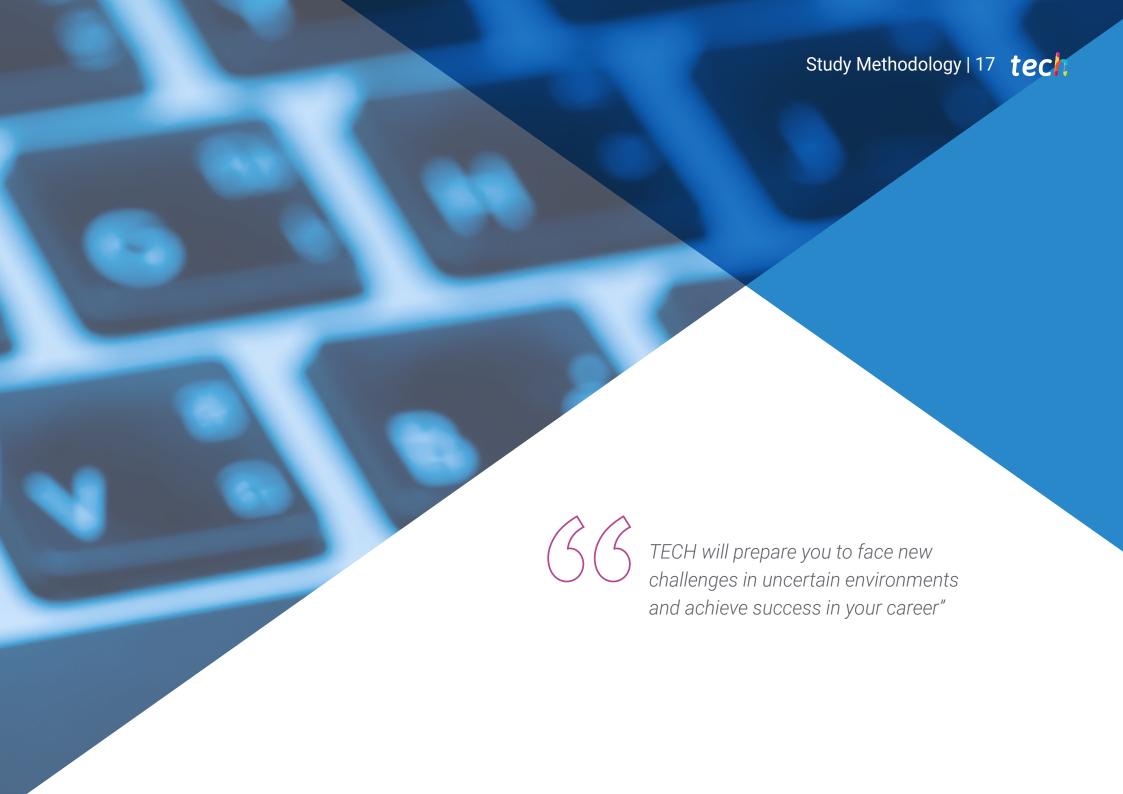   1.6.2.   Prophylaxis: indications and alternatives
    1.6.3.   Treatment

With TECH you will have access to a wide range of multimedia resources to train you in an interactive and innovative way"

05
Study Methodology
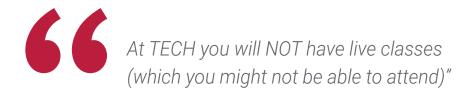
TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

" *At TECH you will NOT have live classes (which you might not be able to attend)"*

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

> *The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"*

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 assess 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

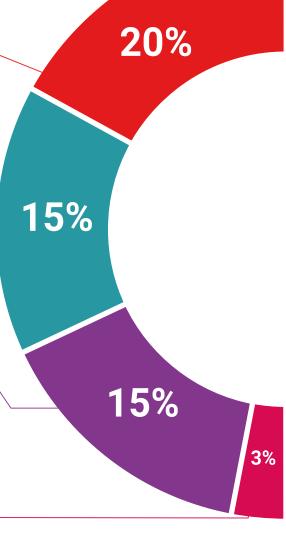### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

Interactive Summaries

We present 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, international guides... In our virtual library you will have access to everything you need to complete your education.

20%

15%

15%

3%

20%

17%

7%

3%

Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.
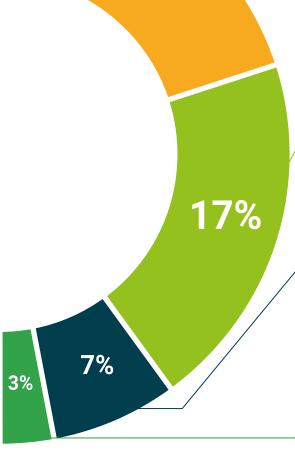
Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence for 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.

Certificate

The Postgraduate Certificate in Infections in Oncohematology 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 private qualification will allow you to obtain a **Postgraduate Certificate in Infections in Oncohematology** 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** private qualification 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 Infections in Oncohematology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

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

Postgraduate Certificate in Infections in Oncohematology

This is a private qualification 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
Dean

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 EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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