

# Postgraduate Diploma

Vasculitis and Other Systemic  
Immune-Mediated Diseases



## Postgraduate Diploma Vasculitis and Other Systemic Immune-Mediated Diseases

Course Modality: Online

Duration: 6 months.

Certificate: TECH Technological University

24 ECTS Credits

Teaching Hours: 600 hours.

Acceso web: [www.techtitute.com/medicine/postgraduate-diploma/postgraduate-diploma-vasculitis-other-systemic-immune-mediated-diseases](http://www.techtitute.com/medicine/postgraduate-diploma/postgraduate-diploma-vasculitis-other-systemic-immune-mediated-diseases)

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01

# Introduction

The affectation of the vascular system caused by diseases require the specialist, a concrete and specific specialization. In this course we offer you the possibility of acquiring the most updated knowledge in this medical area, with the scientific security of a training directed by the best experts in the field.

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*Vasculitis and other systemic immune-mediated diseases in a clear, efficient, convenient, and super-specialized course"*

In clinical practice, diagnosing, monitoring, and treating autoimmune diseases is not a straightforward task. The simultaneous or overlapping involvement of multiple organs and the presence of often vague or confusing symptoms require professionals to have a series of up-to-date and practical skills and knowledge that allow them to make quick and efficient decisions. In these cases, patient care often involves dealing with long-term situations in which the patient needs special, personal, human, and medical attention, both because of the absence of a diagnosis that provides an answer to their situation and because of the exhaustion associated with long-term pathologies. During the training you will get the prepared and experienced vision that this type of disease demands and needs. Reliable and serious: offered by the largest online university in the world.

The content cover, comprehensively and clearly, all aspects of the most relevant Systemic Autoimmune Diseases. From the study of clinical immunology, as a basis for understanding the processes involved in the development of autoimmune pathology, the different aspects of interest of this medical discipline will be explored. A specific and practical approach that will provide medical professionals with in-depth knowledge of the different autoimmune diseases that have been described so far, learning and integrating diagnostic and classification criteria into daily practice.

All of these teaching developments are created with the objective of achieving preparatory efficiency for your students. An approach that focuses on offering professionals the possibility of making their learning compatible with their personal or professional life, in a way that is highly efficient. A postgraduate specialization program that includes highly specialized content, resulting from the latest trends and medical advances: such as the modules in Clinical Immunology, Multidisciplinary Assessment, and Associated Pharmacology.

This objective of continuous training is also maintained after the course has been completed, thanks to the creation of an Online Learning Fund on Patients with Autoimmune Disease. A constantly updated and revised resource to keep you informed of the latest developments in this field.

This Postgraduate Diploma offers you the characteristics of a high-level scientific, teaching, and technological course. These are some of its most notable features:

- ♦ **Latest technology** in online teaching software.
- ♦ Intensely visual **teaching system**, supported by graphic and schematic contents that are easy to assimilate and understand.
- ♦ Development of **case studies** presented by practicing experts.
- ♦ State-of-the-art interactive video systems.
- ♦ Teaching supported by **telepractice**.
- ♦ Continuous **updating and recycling** systems.
- ♦ Self-regulating **learning**: total compatibility with other occupations.
- ♦ Practical exercises for **self** -evaluation and learning verification.
- ♦ **Support groups and** educational synergies: questions to the expert, debate and knowledge forums.
- ♦ **Communication with the teacher** and individual reflection work.
- ♦ **Availability** of the contents from any fixed or portable device with internet connection.
- ♦ Banks of **complementary documentation** permanently available, even after the course.

“*Get updated on the latest medical and scientific advances in HEE and acquire the necessary skills to offer your patients the best specialized care in this area*”

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*Discover a new way to keep your professional update in the line of the medical vanguard, with this online specialization of high teaching demand and take a step further in your specialization"*

Our teaching staff is composed of medical professionals, practicing SAD specialists. This way, we ensure that we provide you with up-to-date knowledge, which is what we are aiming for. A multidisciplinary team of doctors prepared and experienced in different environments, who will develop the theoretical knowledge in an efficient manner, but, above all, will put at the service of the course the practical knowledge derived from their own experience: one of the differential qualities of these studies.

The efficiency of the methodological design of this Postgraduate Diploma, enhances the student's understanding of the subject. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem Based Learning: an approach that conceives learning as an eminently practical process. To achieve this remotely, we will use telepractice: with the help of

an innovative interactive video system, you will be able to acquire the knowledge as if you were facing the scenario you are learning at that moment.

A concept that will allow you to integrate learning in a more realistic and permanent way.

*A methodological design that will take you through different teaching approaches to allow you to learn dynamically and effectively.*

*Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will help you integrate knowledge more quickly and provide you with a much more realistic view of the contents.*



# 02 Objectives

TECH Technological University aims to train highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. The objective, in this **Postgraduate Diploma in Vasculitis and Other Systemic Immune-Mediated Diseases**, is achieved by helping medical professionals to acquire knowledge that will keep them up to date with the latest techniques for the approach, diagnosis and treatment of SAD. But also, by promoting integral patient care. A goal that, in just six months, you will be able to achieve with a highly intensive and precise course.





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*The objective of this specialization is simple:  
to provide you with the keys to quality medical  
intervention in the multidisciplinary approach to  
systemic immune-mediated diseases"*



## General Objectives

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- ♦ Identify the epidemiological, pathogenic, clinical and therapeutic aspects of the main autoinflammatory diseases.
- ♦ To acquire the necessary skills to provide up-to-date, scientific and effective medical care for patients with SAD.
- ♦ Create a constantly revised and updated online learning resource on the AAS patient.
- ♦ Facilitate the relationship between different services and professionals in our country and in Latin America who are dedicated, preferably, to the integral management of patients with AAS.
- ♦ Acquire the necessary knowledge to recognize, interpret and diagnose the alterations of the immune system in the laboratory setting.
- ♦ Learn how to guide and interpret the complementary examinations applicable to the main autoinflammatory diseases.





## Specific Objectives

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### Module 1.

- ♦ Learn the ways to identify the epidemiological, pathogenic, clinical, and therapeutic aspects of the main autoinflammatory diseases..
- ♦ Learn to determine the complementary examinations applicable to the main autoinflammatory diseases..

### Module 2.

- ♦ Understand all epidemiological, pathogenic, clinical, and therapeutic aspects of systemic vasculitis.
- ♦ Learn how to perform or schedule complementary examinations applicable to systemic vasculitis.

### Module 3.

- ♦ Understand all epidemiological, pathogenic, clinical, and therapeutic aspects of other systemic immune-mediated diseases.
- ♦ Learn how to perform or schedule complementary examinations applicable to these immune-mediated diseases.

### Module 4.

- ♦ Learn the applicable therapeutic options for the management of systemic autoimmune diseases.
- ♦ Identify the indications and contraindications of each of the medications used.
- ♦ Know the limitations of each one of them, as well as their correct therapeutic scheme.



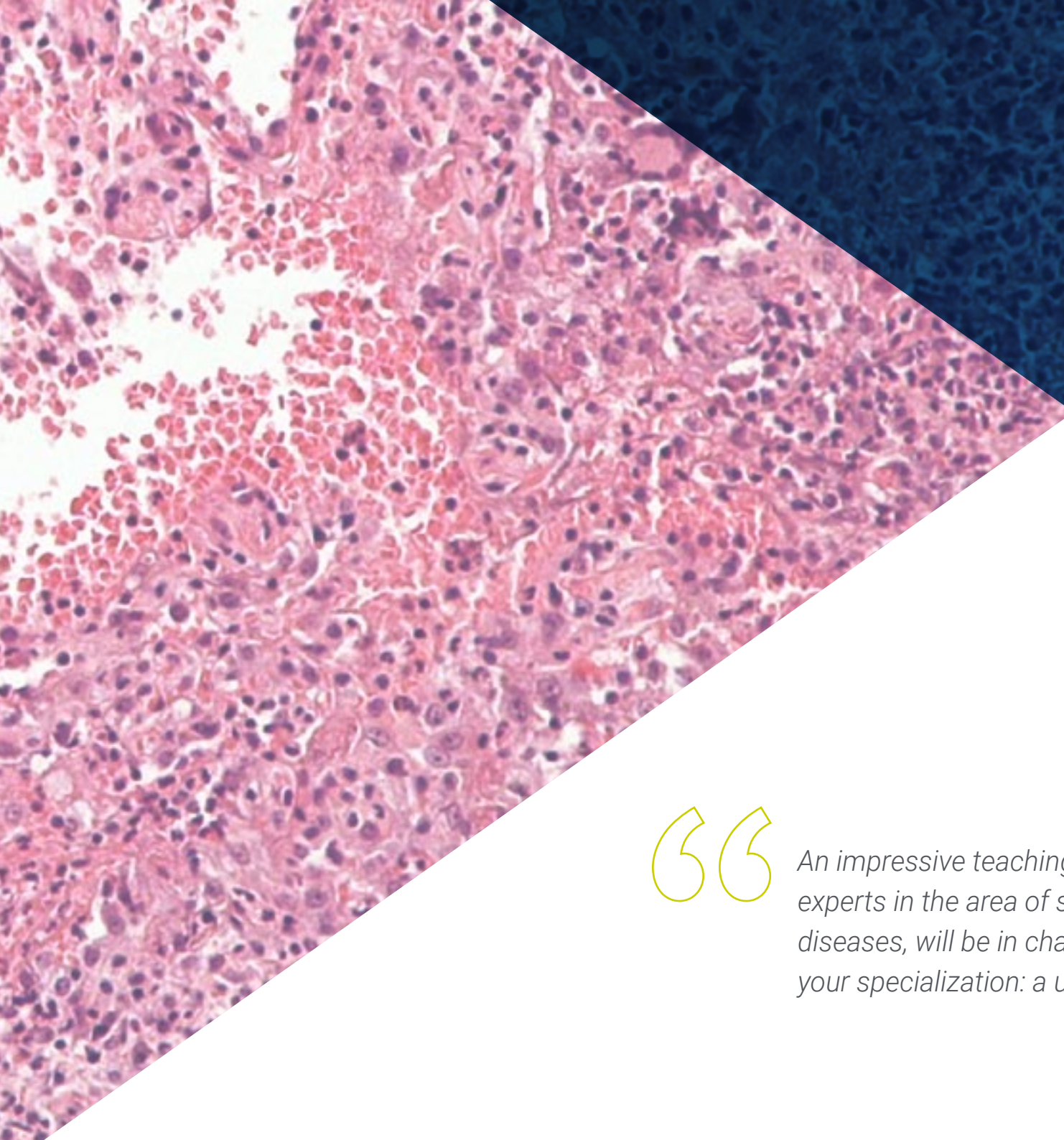
*A complete immersion in the complete approach to autoimmune diseases that will provide you with a broader vision for an efficient approach to this pathology"*

03

# Course Management

For our Postgraduate Diploma to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record in the field of Autoimmune Diseases. A multidisciplinary team, made up of professionals who will contribute their vision and experience to this comprehensive course. A unique opportunity to learn from the best.





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*An impressive teaching staff, prepared by professional experts in the area of systemic immune-mediated diseases, will be in charge of bringing their expertise to your specialization: a unique occasion not to be missed"*

## Management



### Dr. Araújo Loperena, Olga

- Specialist in Internal Medicine
- Autoimmune Disease Consultation
- Head of Specialized Health Training Studies
- Master's Degree in Clinical Management of Patients with Systemic and Autoimmune Diseases. University of Barcelona
- Master's Degree in Advanced Medical Skills, specializing in Autoimmune Diseases. University of Barcelona
- Sant Pau i Santa Tecla Hospital Xarxa Sanitària i Social Santa Tecla. Tarragona



# 04

## Structure and Content

The contents of this **Postgraduate Diploma in Vasculitis and Other Systemic Immune-Mediated Diseases** have been developed by the different experts of this course, with a clear purpose: to ensure that our students acquire each and every one of the skills necessary to become a true expert in this field. Knowledge that will enable you to respond to the needs of patients with SAD, with an approach based on the latest techniques and advances in diagnosis, treatment, and prognosis of these diseases.







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*An intensive tour through systemic immune-mediated diseases, their diagnostic criteria, approach, and follow-up. With all the keys to successful medical approach"*

### Module 1. Clinical Immunology and Autoinflammatory Diseases

- 1.1. The Innate and Adaptive Immune Response.
- 1.2. From Autoimmune Response to Systemic Autoimmune Disease.
- 1.3. Types of Autoimmune Response.
- 1.4. HLA Polymorphism
- 1.5. Autoantibodies in Autoimmune Disease Diagnosis.
- 1.6. Autoinflammatory Diseases - I: IL-1-Mediated Diseases.
- 1.7. Autoinflammatory Diseases - II: Autoinflammation and Autoimmunity.
- 1.8. Interferonopathies.
- 1.9. Autoinflammatory Diseases - III: Autoinflammation and Immunodeficiency.
- 1.10. Autoinflammatory Diseases - IV: Ubiquitinopathies and Other Autoinflammatory Diseases.
- 1.11. Immunomodulatory Therapies.

### Module 2. Systemic Vasculitis

- 2.1. Epidemiology.
- 2.2. Diagnostic Criteria. Classification Criteria.
- 2.3. Monitoring Patients with Systemic Vasculitis.
- 2.4. Giant Cell Arteritis and Polymyalgia Rheumatica.
- 2.5. Takayasu's Arteritis.
- 2.6. Polyarteritis Nodosa and Kawasaki Disease.
- 2.7. ANCA-Associated Vasculitis: Granulomatosis with Polyangiitis (GPA) and Microscopic Polyangiitis (MAP).
- 2.8. ANCA-Associated Vasculitis: Eosinophilic Granulomatosis with Polyangiitis (EGPA).
- 2.9. Immune Complex Vasculitis. Cryoglobulinemic Vasculitis
- 2.10. CNS Vasculitis and Other Localized Vasculitis.

### Module 3. Other Systemic Immune-Mediated Diseases

- 3.1. Relapsing Polychondritis.
- 3.2. Sarcoidosis.
- 3.3. Extrapulmonary Sarcoidosis.
- 3.4. Hemophagocytic Syndrome.
- 3.5. IgG4-Related Autoimmune Disease.
- 3.6. Variable Vessel Vasculitis: Behçet's Disease I
- 3.7. Variable Vessel Vasculitis: Behçet's Disease II
- 3.8. Rheumatoid arthritis.
- 3.9. Other Autoimmune Diseases of the Musculoskeletal System.
- 3.10. Adult Still's Disease.

### Module 4. Medications in Systemic Autoimmune Diseases

- 4.1. Non-Steroidal Anti-Inflammatory Drugs (NSAIDs).
- 4.2. Antimalarials.
- 4.3. Glucocorticoids.
- 4.4. Immunosuppressants.
- 4.5. Immunoglobulins.
- 4.6. Vasodilators.
- 4.7. Anticoagulants.
- 4.8. Biological Treatments Targeting B-Lymphocytes.
- 4.9. Biological Treatments Targeting TNF- $\alpha$ .
- 4.10. Other Biological Treatments.

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*A unique, key, and decisive  
Postgraduate Diploma  
experience to boost your  
professional development”*

05

# Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.



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*Discover Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gervas, 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 potential or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912 at Harvard for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.



*The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

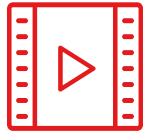
*Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this program you will have access to the best educational material, prepared with you 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.

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.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

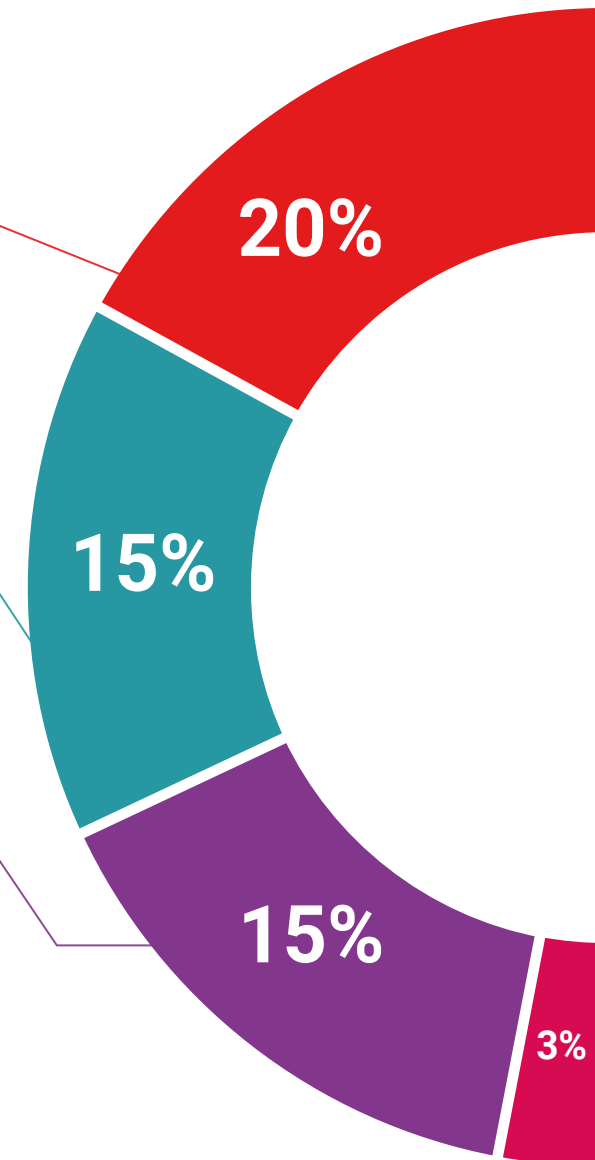
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

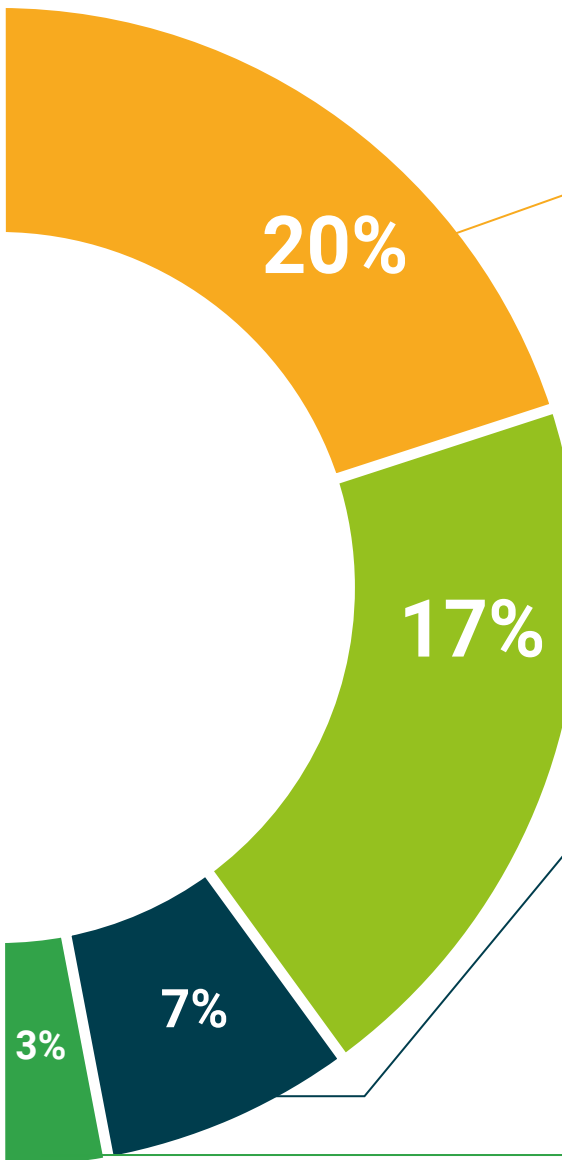
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story"



#### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



#### 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 in our future difficult decisions.



#### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



# 06 Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



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*Include in your specialization the capabilities of a Postgraduate Diploma in Vasculitis and Systemic Immune-Mediated Diseases: a highly qualified added value for any medical professional"*

This **Postgraduate Diploma in Vasculitis and Other Systemic Immune-Mediated Diseases** has the most complete and up-to-date scientific program on the market.

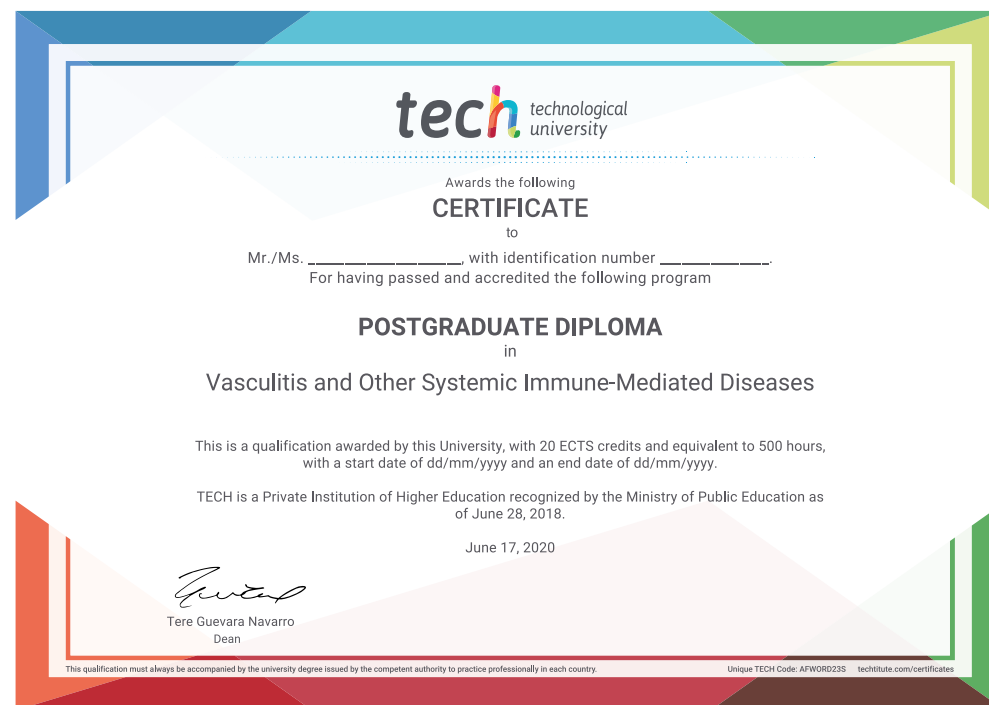
Once the student has passed the evaluations, they will receive by mail with acknowledgement of receipt their corresponding **Postgraduate Diploma** issued by **TECH Technological University**.

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

Title: **Postgraduate Diploma in Vasculitis and Other Systemic Immune-Mediated Diseases**

ECTS: **24**

Official Number of Hours: **600**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

future  
health confidence people  
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guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom



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Mediated Diseases

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Certificate: TECH Technological University

24 ECTS Credits

Teaching Hours: 600 hours.

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Immune-Mediated Diseases