

# Postgraduate Certificate

## Systemic Lupus Erythematosus



## Postgraduate Certificate Systemic Lupus Erythematosus

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Global University
- » Credits: 12 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/systemic-lupus-erythematosus](http://www.techtute.com/us/medicine/postgraduate-certificate/systemic-lupus-erythematosus)

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01

# Introduction

Systemic lupus erythematosus is one of the most common autoimmune diseases in the specialist's office. However, its form of manifestation and its range of involvement mean that its diagnosis and comprehensive approach require highly specialized training from the professional. In this Postgraduate Certificate we offer you the most practical and efficient way to achieve it.





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*Specific knowledge about lupus erythematosus, the most common of the AAS, in just a few weeks of high quality training”*

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 trained 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 these educational developments are created with the objective of achieving training 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 training 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 permanent updating is also maintained at the end of the Course, thanks to the creation of an Online Learning Fund on the Patient with Autoimmune Disease. A constantly updated and revised resource to keep you informed of the latest developments in this field.

This **Postgraduate Certificate in Systemic Lupus Erythematosus** has the most complete and up-to-date scientific program on the market. The most important features of the course are:

- ♦ Latest technology in online teaching software.
- ♦ Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- ♦ Practical cases presented by practising experts.
- ♦ State-of-the-art interactive video systems.
- ♦ Teaching supported by telepractice.
- ♦ Continuous updating and recycling systems.
- ♦ Self-regulating learning: full 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 content from any fixed or portable device with internet connection.
- ♦ Banks of complementary documentation permanently available, even after the course.



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

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*The teachers have been selected based on two criteria: excellence in their medical practice and their proven teaching skills, to offer you the high quality Postgraduate Certificate you need”*

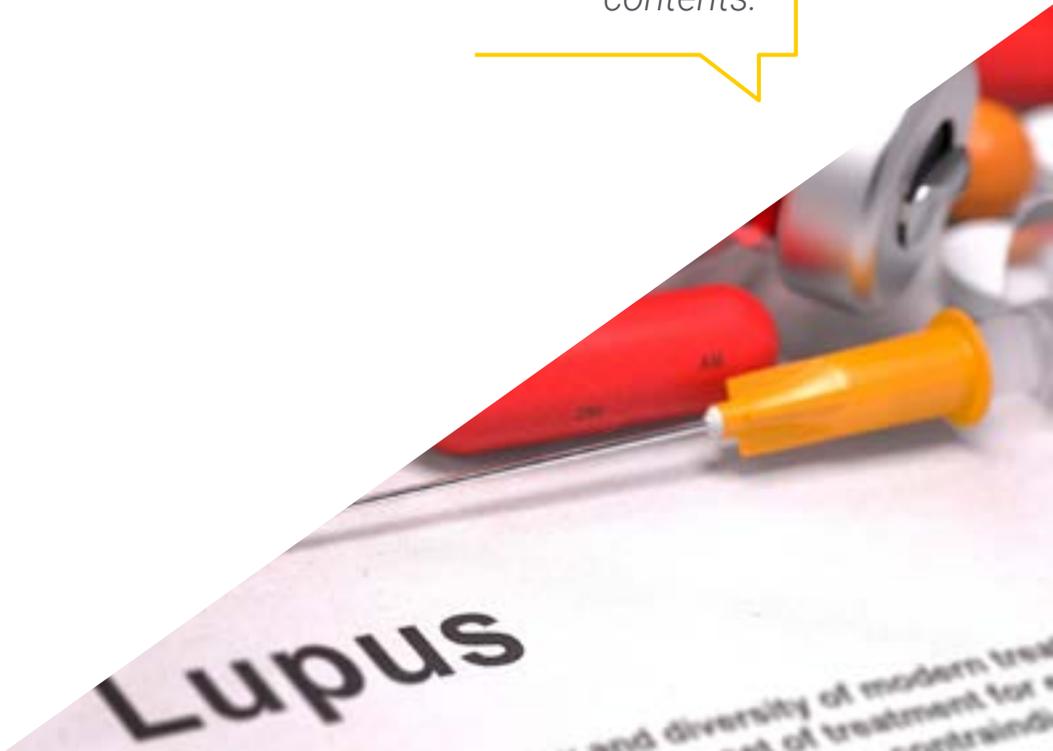
Our teaching staff is composed of medical professionals, practicing SAD specialists. This way, we ensure that we provide you with up-to-date knowledge, which is what we are aiming for. A multidisciplinary team of doctors trained and experienced in different environments, who will develop the theoretical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

The efficiency of the methodological design of this Professional Master's Degree, 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 a highly 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 actually dealing with the scenario you are learning about. 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.*



**Lupus**

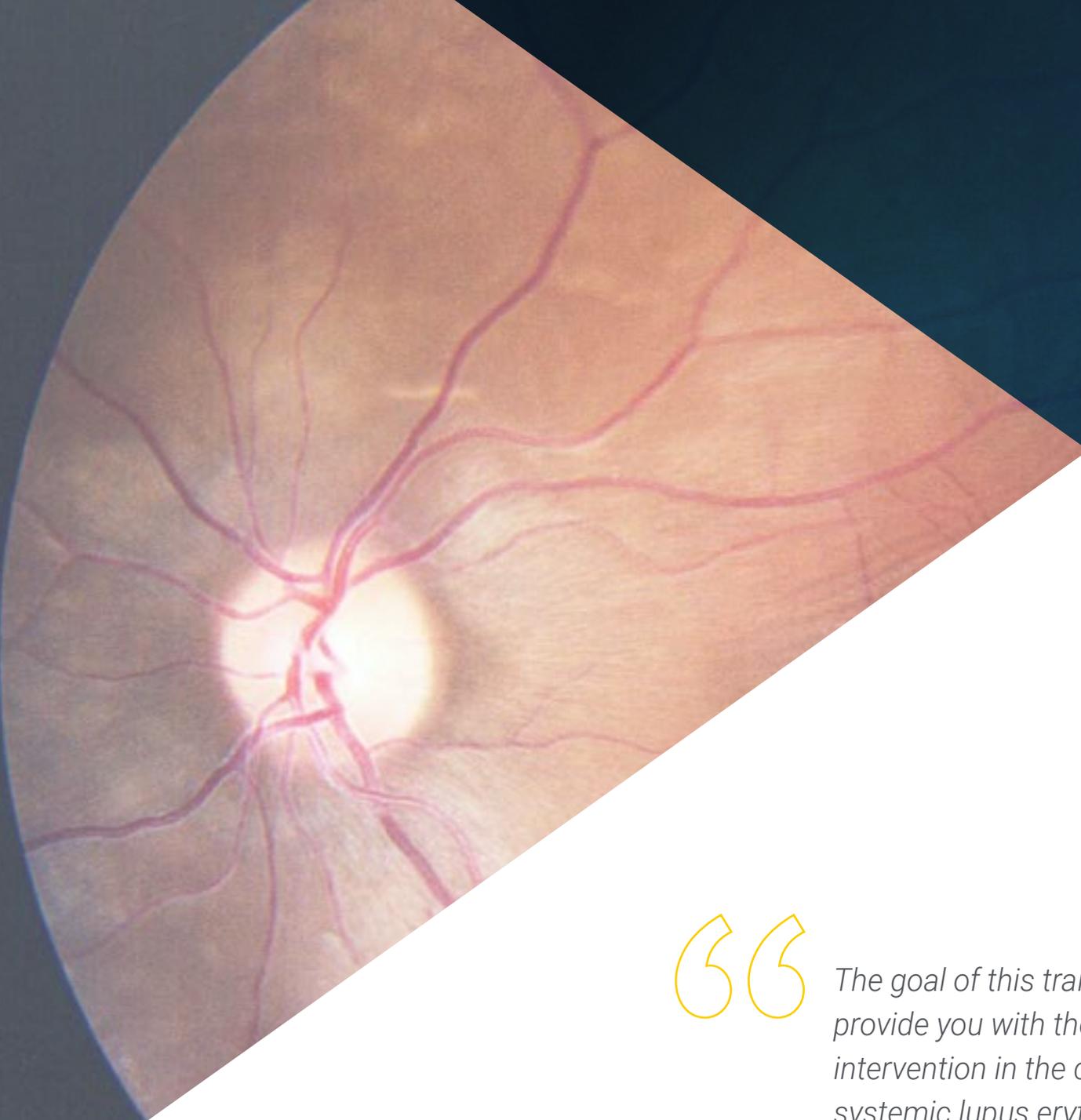
and diversity of modern treat  
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contraindic

02

# Objectives

CEU aims to train highly qualified professionals for the workplace. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is materialized in helping medical professionals to acquire knowledge that will keep them always updated on the latest techniques for approaching, diagnosing and treating AAS. But also, by promoting integral patient care. A goal that, in only six months, you will be able to achieve with a Postgraduate Certificate of high intensity and precision.





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*The goal of this training is simple: to provide you with the keys to quality medical intervention in the care of patients with systemic lupus erythematosus”*



## General Objective

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- ♦ Identify the epidemiological, pathogenic, clinical and therapeutic aspects of the main autoinflammatory diseases.
- ♦ Acquire the necessary competencies to provide up-to-date, scientific and effective medical care for patients with AAS.
- ♦ 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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- ◆ Understand all the epidemiological, pathogenic, clinical, and therapeutic aspects of systemic lupus erythematosus.
- ◆ Learn how to perform or to prescribe the complementary examinations applicable in systemic lupus erythematosus.
- ◆ 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.

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*Specific knowledge, advances and new approaches in the setting of lupus erythematosus”*

03

# Course Management

Within the concept of total quality of our Postgraduate Certificate, we are proud to put at your disposal a teaching staff of the highest level, chosen for their proven experience in the field of Autoimmune Diseases. A multidisciplinary team that will contribute with their vision and experience in this very complete Postgraduate Certificate. A unique opportunity to learn from the best.



A close-up photograph of a person's nose and the surrounding skin. The skin is light-toned and shows a prominent texture of pores and fine hairs. The nose is in the center-right of the frame, and the nostril is visible. The background is a solid blue color that transitions into a white area where the text is located.

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*An impressive teaching staff, made up of professional experts in the field of systemic immune-mediated diseases, will be in charge of bringing their experience to your training: a unique occasion not to be missed"*

## International Guest Director

Dr. Bianca Maria Piraccini is a leading expert in the field of Dermatology and Venereal Diseases. As such, with a prolific career spanning several decades, she has made significant contributions, leaving an indelible mark on the field through her scholarly achievements, leadership and dedication to advancing medical knowledge and patient care.

At the University of Bologna, she has held roles in senior positions, including Director of the School of Specialization in Dermatology, as well as Coordinator of the Doctorate in Surgical Sciences. In addition, she has served as Director of the IRCCS Dermatology Service at S. Orsola, overseeing critical research and patient care initiatives in head and neck diseases.

She has also been Head of the Clinic of Allergology and Adjacent Skin Diseases, a reference in Italy and in the International Community in Nail and Hair Diseases. In fact, it is the only Italian hospital center where nail surgery for neoplastic and non-neoplastic disorders is performed, being the first one equipped with the Mohs microscopic surgery technique.

She has also written more than 240 original articles in national and international journals, gaining recognition for her innovative research on nail and hair biology, fungal infections and the development of innovative diagnostic techniques.

She has also established and directed the Mycology and Parasitology Laboratory, a metropolitan reference for the diagnosis of fungal and parasitic diseases. Not to mention that she has contributed to welfare activities, playing a crucial role in the assistance activities of the UOC of Dermatology of the University of Bologna and the Polyclinic of Sant'Orsola.



## Dr. Piraccini, Bianca Maria

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- Head of the School of Specialization in Dermatology at the University of Bologna, Italy
- Coordinator of the Doctoral Program in Surgical Sciences at the University of Bologna.
- Director of the UOC of Dermatology IRCCS of S. Orsola
- Director of the Specialization School of Dermatology and Venereology at the University of Bologna
- Head of the Clinic of Allergology and Adjacent Skin Diseases
- Head of the Laboratory of Mycology and Parasitology Dermatology
- Coordinator of the Doctoral Program in Surgical Sciences Alma Mater Studiorum at the University of Bologna.
- Course in Medical Mycology at the Mycology Laboratory of St. John's Institute of Dermatology, St. Thomas' Hospital, London.
- Doctorate in Dermatological Sciences at the University of Bologna
- Specialization in Dermatology and Venereology at the University of Bologna
- Degree in Medicine and Surgery from the University of Bologna

Member of:

Italian Society of Dermatology and Sexually Transmitted Diseases (SIDeMaST)  
European Academy of Dermatology and Venereology (EADV)  
American Academy of Dermatology (AAD)  
European Nail Society (ENS)  
European Hair Research Society (EHRS)  
Council on Nail Disorders (CND)  
International Nail Society (INS)

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

## 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 Certificate in Systemic Lupus Erythematosus have been developed by the different experts of this Postgraduate Certificate, 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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*The essential knowledge for the efficient intervention in the patient with lupus erythematosus, along a wide and specific syllabus”*

## Module 1. Systemic Lupus Erythematosus

- 1.1. Epidemiology.
- 1.2. Clinical Manifestations
- 1.3. Diagnostic Criteria. Classification Criteria.
- 1.4. Lupus Nephropathy.
- 1.5. Neurolupus.
- 1.6. Monitoring Patients with Lupus.
- 1.7. Lupus Treatment - I: Conventional Therapy.
- 1.8. Lupus Treatment - II: Immunosuppressive Therapy.
- 1.9. Lupus Treatment - III: Treatment according to the Organ Affected.
- 1.10. Pregnancy and Lupus.



## Module 2. Systemic Lupus Erythematosus

- 2.1. Non-Steroidal Anti-Inflammatory Drugs (NSAIDs).
- 2.2. Antimalarials.
- 2.3. Glucocorticoids.
- 2.4. Immunosuppressants.
- 2.5. Immunoglobulins.
- 2.6. Vasodilators.
- 2.7. Anticoagulants.
- 2.8. Biological Treatments Targeting B-Lymphocytes.
- 2.9. Biological Treatments Targeting TNF- $\alpha$ .
- 2.10. Other Biological Treatments.



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

05

# Methodology

This training program 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 professional medical 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 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 (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

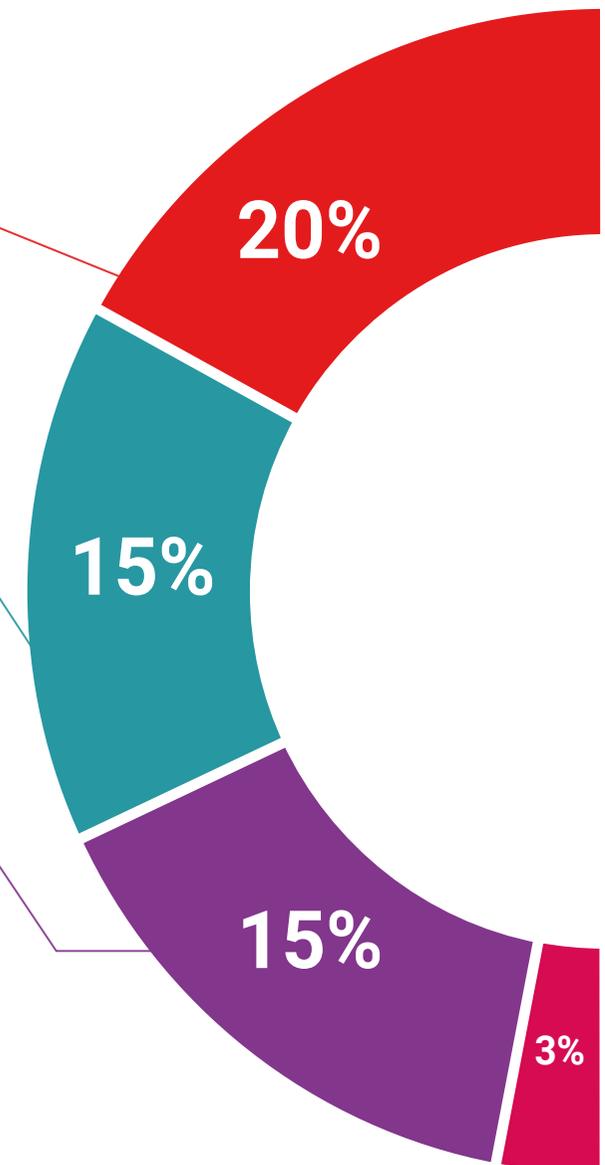
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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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*Become an expert in lupus erythematosus and you will bring to your training an invaluable added value for any level health center”*

This program will allow you to obtain your **Postgraduate Certificate in Systemic Lupus Erythematosus** 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 Systemic Lupus Erythematosus**

Modality: **online**

Duration: **12 weeks**

Accreditation: **12 ECTS**



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



**Postgraduate Certificate**  
Systemic Lupus  
Erythematosus

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