

# Postgraduate Certificate

## Oral Antimicrobials





## Postgraduate Certificate Oral Antimicrobials

Course Modality: Online

Duration: 2 months.

Certificate: TECH Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

Website: [www.techtute.com/us/medicine/postgraduate-certificate/postgraduate-certificate-oral-antimicrobials](http://www.techtute.com/us/medicine/postgraduate-certificate/postgraduate-certificate-oral-antimicrobials)

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# 01

# Introduction

The proliferation of microbes in cases of acne is one of the most common situations to which the professional has to respond. To this end, new approaches and treatments are constantly emerging that can be effective in different scenarios.

This course has been created to provide you with this update in a simple and effective way. Throughout the training you will acquire the skills of a first level professional with the management and mastery of the most advanced procedures and techniques of the current medical panorama.







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*The specific management of acne specifically developed in a highly efficient Postgraduate Certificate, with a practical approach of high format effectiveness"*

Oral antimicrobials are the mainstay of treatment in many moderate to severe cases in which inflammatory lesions are predominant. As with their topical application, the treatment of acne with oral antibiotics is one of the causes of the increase in the rate of bacterial resistance. This is why we must optimize our treatment regimens, combining with other drugs that reduce the risk of resistance and minimizing the duration of cycles.

Each drug has a specific safety profile that we must be aware of in order to avoid potentially serious side effects.

A comprehensive compendium of knowledge that will cover these and other essential issues in the treatment of acne.

This **Postgraduate Certificate in Oral Antimicrobials** is the most comprehensive and up-to-date scientific program on the market. The most important features of the program include:

- ◆ A large number of case studies presented by experts.
- ◆ Graphic, schematic, and highly practical contents.
- ◆ The latest developments and cutting-edge advances in this area
- ◆ Practical exercises where the self-evaluation process can be carried out to improve learning.
- ◆ Innovative and highly efficient 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.



*Improve the quality of care for your patients with this highly scientifically rigorous training"*

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*The latest advances in the field of Acne compiled in a Postgraduate Certificate with high format efficiency, which will optimize your effort with the best results"*

The Development of this Course is Focused on the Practice of the Proposed Theoretical Learning Through the most effective teaching systems, proven methods imported from the most prestigious universities in the world, you will be able to acquire new knowledge in a practical way. In this way, we strive to convert your efforts into real and immediate skills.

Our Online System is Another of the Strengths of our format Proposal With an interactive platform that has the advantages of the latest technological developments, we put the most interactive digital tools at your service. This way, we can offer you a learning method that can be completely adapted to your needs, so that you can perfectly combine this training program with your personal or professional life.

*All the necessary methodology for an effective approach in the field of Acne, in a specific and concrete Postgraduate Certificate.*

*A training program created to allow you to implement your acquired knowledge into your daily practice in an almost immediate way.*



# 02 Objectives

The objective of this Postgraduate Certificate in Oral Antimicrobials is to offer medical professionals a complete program for acquiring knowledge, competence and skills for routine clinical practice, or to update your knowledge on the latest advances in this area of intervention. A practical and effective way to keep you at the forefront of a constantly evolving profession.





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*Our objective is simple: help you to achieve the most complete up-to-date knowledge in the field of Acne Treatment in a Postgraduate Certificate which is totally compatible with your personal and work commitments”*



## General Objectives

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- ◆ Gain a fully up-to-date knowledge of the different therapeutic options available for the treatment of acne.
- ◆ Diagnose those cases of acne secondary to systemic pathologies or external agents that require specific management.
- ◆ Know and be able to indicate and apply the different modalities of available physical therapies.
- ◆ Know the paths of research and possible future directions of treatment.
- ◆ Know how to treat obstinate cases resistant to the usual therapies.
- ◆ Detect and anticipate possible complications and side effects of each treatment.





## Specific Objectives

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- ◆ Know the action mechanisms, recommended guidelines, side effects and precautions to be taken with topical and oral retinoids in acne.

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*An opportunity created for professionals who are looking for an intensive and effective course, with which to take a significant step in the practice of their profession"*



03

# Course Management

This comprehensive Postgraduate Certificate is presented by specialists in this field of work. Trained in different fields of clinical care and practice, all of them experienced in teaching and research in different areas of medicine and with the necessary management knowledge to provide a broad, systematic and realistic vision within the complexity of this area of medicine, this group of professionals will accompany you throughout the training, putting their real and updated experience at your service.







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*Learn from reference professionals, the latest advances in procedures in the field of acne treatment”*

## International Guest Director

Dr. Joshua Zeichner is an international eminence in the field of Dermatology and Cosmetic Medicine. In both fields he has based his professional career, acquiring the most advanced skills in care and for the development of empirical studies. Based on these skills of excellence, the expert has taken on challenges such as the position of Director of Cosmetic and Clinical Research in the Department of Dermatology at Mount Sinai Hospital in the United States.

He has also been awarded the prestigious Skin Genius Award by Elle magazine for his innovative approaches to the treatment of aging skin and faces. In turn, his peers have voted for his name to fill New York Magazine's Best Doctors lists since 2018. Also, he has had rankings as one of the Top Doctors in the New York Metropolitan Area by Castle Connolly and New York City Super Doctors, renowned catalogs that evidence Dr. Zeichner's dedication to his patients.

In addition to his medical knowledge and practice, often focused on Acne, this expert has therapeutically addressed other pathologies and general skin conditions. Among them, he has stood out for his comprehensive management of Eczema, Rosacea, Psoriasis and Cancer in different areas of the epidermis. At the same time, he has mastered the use of Botox and dermal fillers, as well as Laser and Chemical Peels.

Dr. Zeichner's opinion is also frequently used by the media. For this reason, his name has been mentioned many times in reports published by magazines and newspapers such as Allure, Vogue, Cosmopolitan, Elle, Glamour and The New York Times. Likewise, he regularly participates in congresses and lectures on Dermatology around the world.



## Dr. Zeichner, Joshua

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- Director of Cosmetic and Clinical Research in Dermatology at Mount Sinai Hospital
- Specialist in Dermatologic Cosmetics, Acne Treatment and Anti-Aging Skin.
- Physician Consultant at Mount Sinai Beth Israel, Mount Sinai Brooklyn, Mount Sinai Queens and Mount Sinai West hospitals
- Officially Board Certified by the American Board of Dermatology
- Specialist Practitioner at St. Vincent Brooklyn Queens Catholic Medical Center
- John Hopkins University, M.D.
- Dermatology Residency and Dermopharmacology Fellowship at The Mount Sinai Hospital
- Graduate of the University of Pennsylvania

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

## Management



### Dr. Leis Dosil, Vicente Manuel

- ◆ Degree in Medicine and Surgery. Faculty of Medicine and Dentistry (University of Santiago de Compostela)
- ◆ Doctorate in Dermatology from Complutense University of Madrid..
- ◆ University Expert degree in Health Services evaluation and research through the UNED
- ◆ University Expert's Degree in Clinical Surgical Dermatology and Oncology from the University of Alcalá de Henares
- ◆ Associate Professor of Dermatology at Madrid's European Hospital, at Infanta Sofía University Hospital.
- ◆ Area Specialist, Dermatology Section, H. U. Infanta Sofía, San Sebastián de los Reyes, Madrid
- ◆ Dermatologist in the Dermatology Unit of Hospital Moncloa, Madrid.

## Professors

### Iglesias Pena, Nicolás

- ◆ Degree in Medicine and specialist in Medical-Surgical Dermatology and Venereology.
- ◆ Dermatologist at the Lucas August university hospital (Lugo).
- ◆ Degree in Medicine from the Faculty of Medicine (Santiago de Compostela university).
- ◆ International Master's Degree in Esthetic Dermatology at the University of Alcalá de Henares (Madrid).
- ◆ Member of the Spanish Academy of Dermatology and Venereology





# 04

# Structure and Content

The structure and contents of this program has been designed by a team of professionals who are aware of the relevance of up to date training to be able to progress in the labor market with security and competitiveness, and to provide professional practice with the excellence that is only possible with the best training.





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*This Postgraduate Certificate contains the most complete and up-to-date scientific program on the market"*

## Module 1. Oral Antimicrobials

- 1.1. Tetracyclines:
  - 1.1.1. Doxycycline
  - 1.1.2. Minocycline
- 1.2. Azithromycin
- 1.3. Erythromycin
- 1.4. Clindamycin
- 1.5. Cotrimoxazol
- 1.6. Amoxicillin and Cephalosporins
- 1.7. Sulfone
- 1.8. Antibiotic Resistance
- 1.9. Optimization of the Guidelines
- 1.10. Treatment Combinations







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*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. 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 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

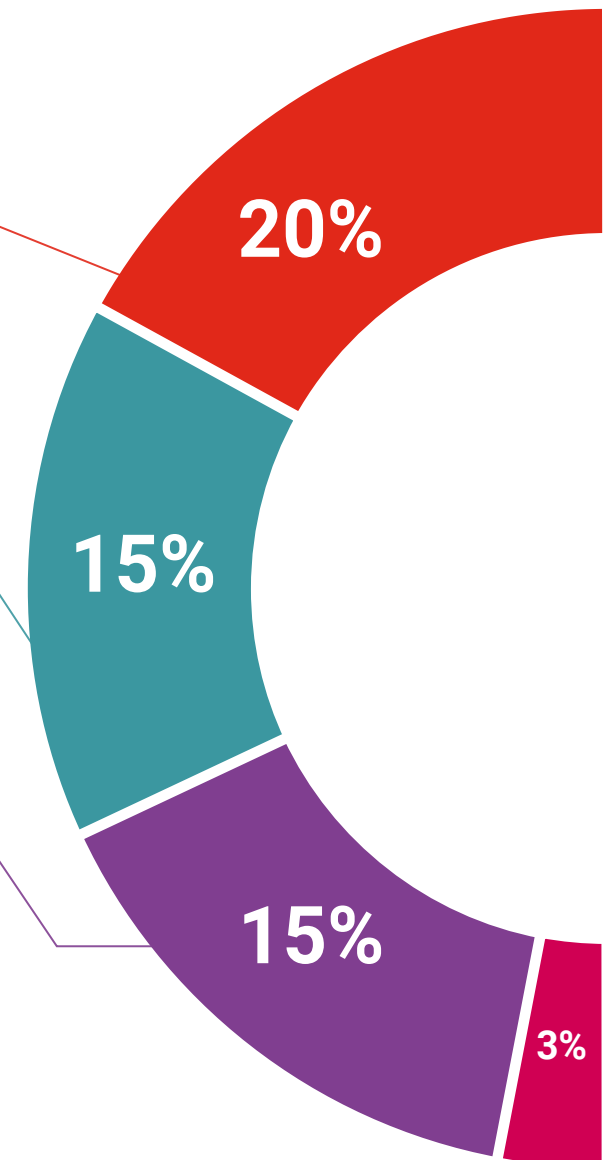
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

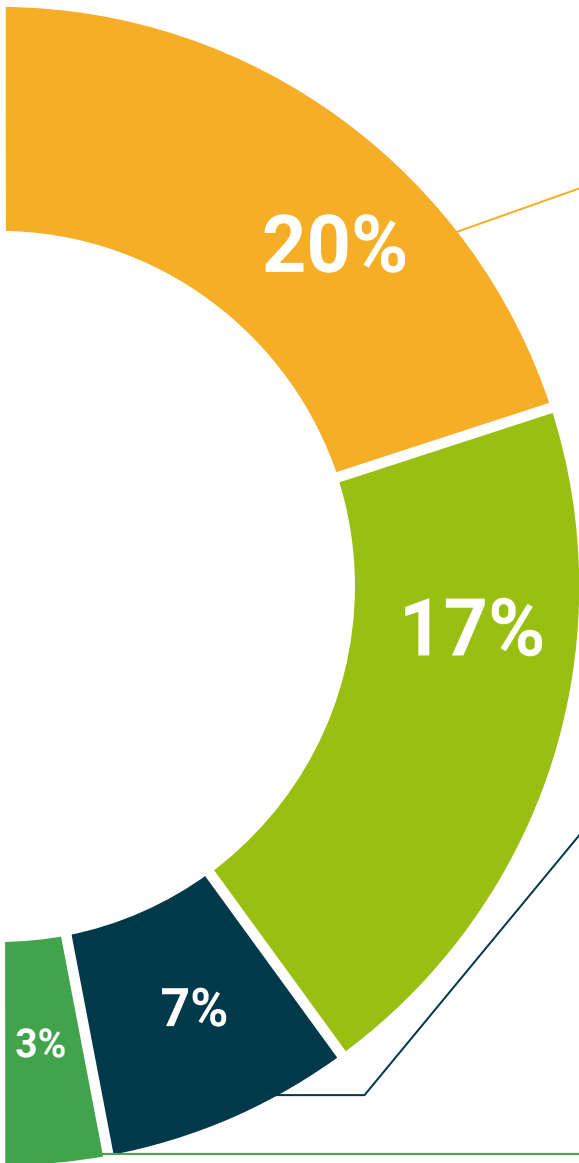


#### Additional Reading

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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*Include in your training a Postgraduate Certificate in Oral Antimicrobials: a highly qualified added value for any professional in the field of education"*

This **Postgraduate Certificate in Oral Antimicrobials** is the most comprehensive and up-to-date scientific program on the market.

After students have passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery.

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

**Title: Postgraduate Certificate in Oral Antimicrobials**

**ECTS: 6**

**Official Number of Hours: 150**



\*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.



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



**Postgraduate Certificate**  
**Oral Antimicrobials**

Course Modality: Online  
Duration: 2 months.  
Certificate: TECH Technological University  
6 ECTS Credits  
Teaching Hours: 150 hours.

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## Oral Antimicrobials

