Postgraduate Certificate

Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room

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Postgraduate Certificate

Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Global University**
- Accreditation: **5 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/medicine/postgraduate-certificate/osteoarticular-skin-soft-tissue-infections-emergency-room

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01

Introduction

Infectious osteoarticular, skin and soft tissue diseases can present serious symptoms that require rapid action by the physician to be successfully treated, improving the patient's health. In order to specialize in this field we offer you this high academic level training, developed by the best professionals of the moment, with years of experience in both health and teaching.

Specialize in osteoarticular, skin and soft tissue infections thanks to this course in which you will find the most relevant and complete information on this subject"

Infectious diseases can pose a risk to people's health. Therefore, early and successful diagnosis and effective treatment is essential to achieve rapid and uncomplicated improvement in patients. The objective of this Postgraduate Certificate in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room is to help physicians acquire the necessary skills to work with and care for patients with these pathologies throughout their stay in the Emergency Room so that they can provide them with the most appropriate care.

Thus, this very complete training, which has been developed by a team of specialists in the field, will help students to improve their professional skills, obtaining a superior training that will allow them to achieve professional success. Specifically, the program includes the classic aspects in the management of infectious pathology by apparatus or organs, with new and essential items for the correct management of infectious diseases in the current scenario of health globalization.

Thus, we will deal with the management of infectious diseases in the Emergency Room from the point of view of early diagnosis and treatment, often empirical, but we will also include an update on imported pathology, especially in those entities that require urgent action and/or present a potential transmission capacity in our environment.

In addition, it has the advantages of that as it is a 100% online training, the professional will be able to decide when and from where to study, without commitments or obligations, thus being able to combine his or her study time with the rest of his or her daily obligations.

This **Postgraduate Certificate in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room** contains the most complete and up-to-date scientific program on the market. The most important features of the course are:

- Clinical symptom cases presented by experts in the field
- The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- Therapeutic developments on intervention in infectious diseases.
- Practical exercises where the self-assessment process can be carried out to improve learning
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- Special emphasis on research 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

We offer you high-level training that will enable you to improve your daily performance and achieve professional success"

This Postgraduate Certificate is the best investment you can make in selecting a refresher program for two reasons: in addition to updating your knowledge in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room, you will obtain a certificate from the leading online university in Spanish: TECH"

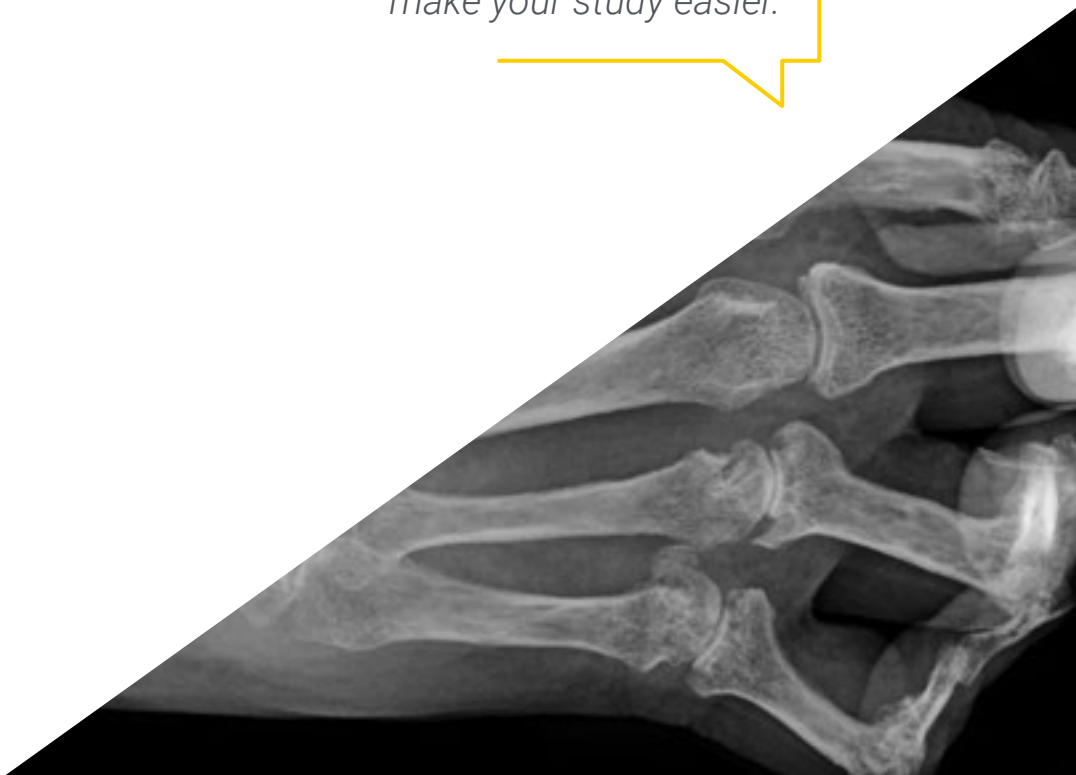
Increase your decision-making confidence by updating your knowledge through this program.

We offer you the best teaching methodology and a multitude of practical cases that will make your study easier.

Its teaching staff includes a professionals from the field of medicine, who bring the experience of their work to this training, as well as recognised specialists from leading scientific societies.

The 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 training experience designed to train for real-life situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned experts in the field of osteoarticular, skin and soft tissue infections, with extensive teaching experience.



02

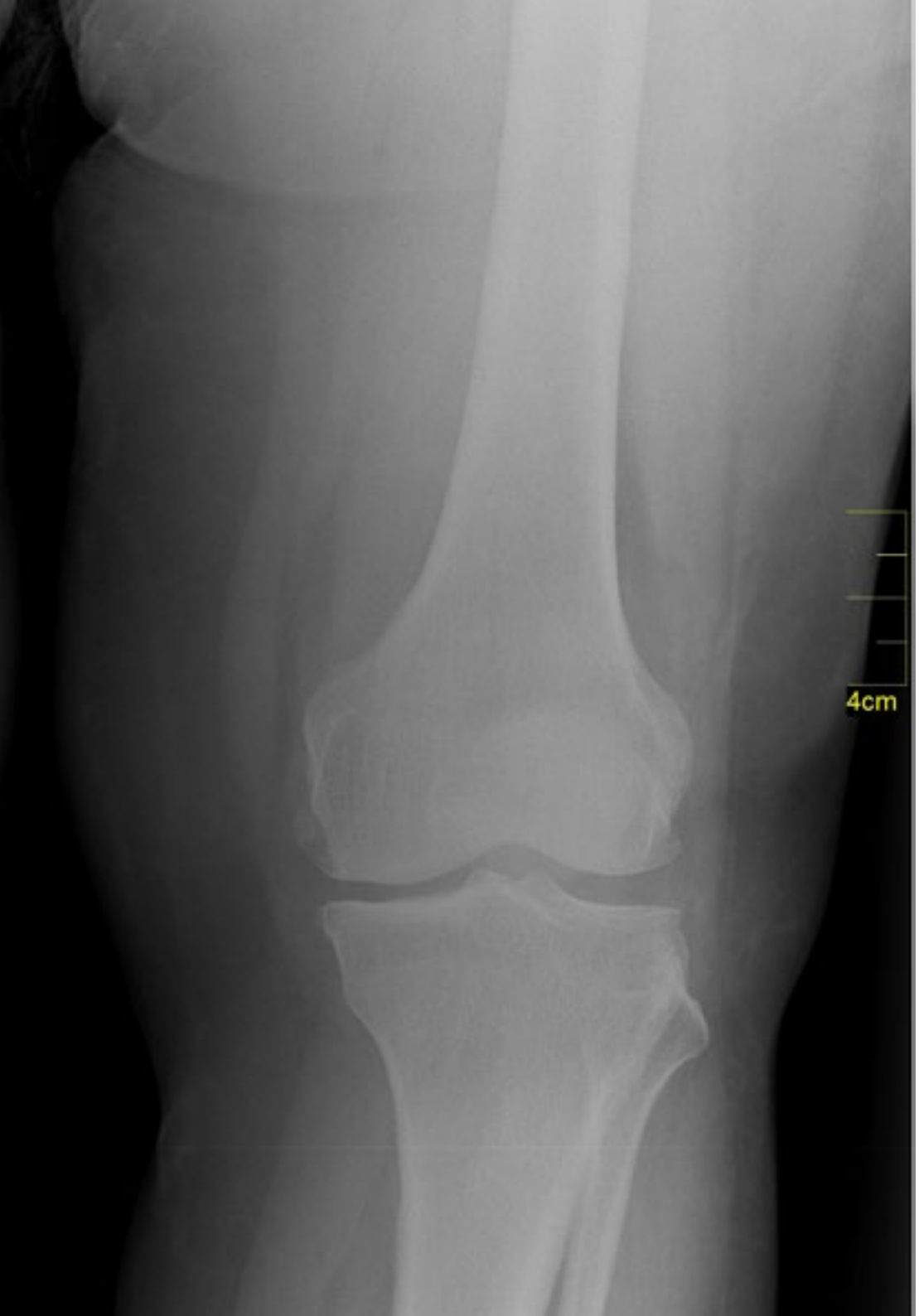
Objectives

The Postgraduate Certificate in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room is oriented to facilitate the performance of Nurse dedicated to the treatment of urgent infectious pathology in all areas but above all, in the emergency room.

Get trained using the latest educational technology, to contribute with quality and safety to decision making and patient care"

General Objectives

- Provide the theoretical knowledge necessary to understand the environment in which professional care is given to patients with infectious diseases
- Provide the appropriate treatment in the different cases of infectious diseases
- Gain in-depth understanding of the areas in which professionals must be trained, in order for them to be able to provide the best practice when treating infectious diseases



Specific Objectives

- Explain the diagnosis and treatment of cellulitis and superficial infections in the emergency room
- Explain the diagnosis and treatment of myositis in the emergency room
- Explain the diagnosis and treatment of plantar fasciitis in the emergency room
- Explain the diagnosis and treatment of gangrene in the emergency room
- Explain the diagnosis and treatment of diabetic foot in the emergency room
- Explain the diagnosis and treatment of pressure ulcers in the emergency room
- Explain the diagnosis and treatment of septic arthritis in the emergency room
- Explain the diagnosis and treatment of osteomyelitis in the emergency room
- Explain the diagnosis and treatment of spondylodiscitis in the emergency room
- Explain the diagnosis and treatment of infection of joint prostheses and osteosynthesis material in the emergency room

03

Course Management

The program includes in its teaching staff reference specialists in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room and other related areas, who bring to this training the experience of their work. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.

We have the best professionals of the moment on infectious diseases. Don't miss the opportunity to learn with them"

Management

Dr. García Deltoro, Miguel

- PhD in Medicine from the University of Valencia
- Head of the Infectious Diseases Service at the Consortium General University Hospital in Valencia.
- 50 national and international publications in journals and books, 33 of them indexed in Pubmed and/or Scopus.
- President Congress of the National Group for the Study of Hepatitis of the Society for Infectious Diseases and Clinical Microbiology 2017
- More than 200 communications to National and International Congresses in the specialty of Infectious Diseases, HIV and Viral Hepatitis.
- Principal Investigator of some thirty Clinical Trials and/or Research Projects and collaborating researcher.

Dr. García Rodríguez, Magdalena

- Degree in Medicine and Surgery
- Specialist in Internal Medicine
- Attending Physician in the Infectious Diseases Unit and the Consorcio General Hospital Valencia
- Head of the International Health and Travel Advice Section
- Author of several publication and research projects
- Founding member and advisor of the Chagas Disease Association of the Valencian Community
- Member of a vaccine study group for the Spanish Society of Infectious Diseases and Clinical Microbiology.
- Member of a Malaria study group for the Spanish Society of Infectious Diseases and Clinical Microbiology.

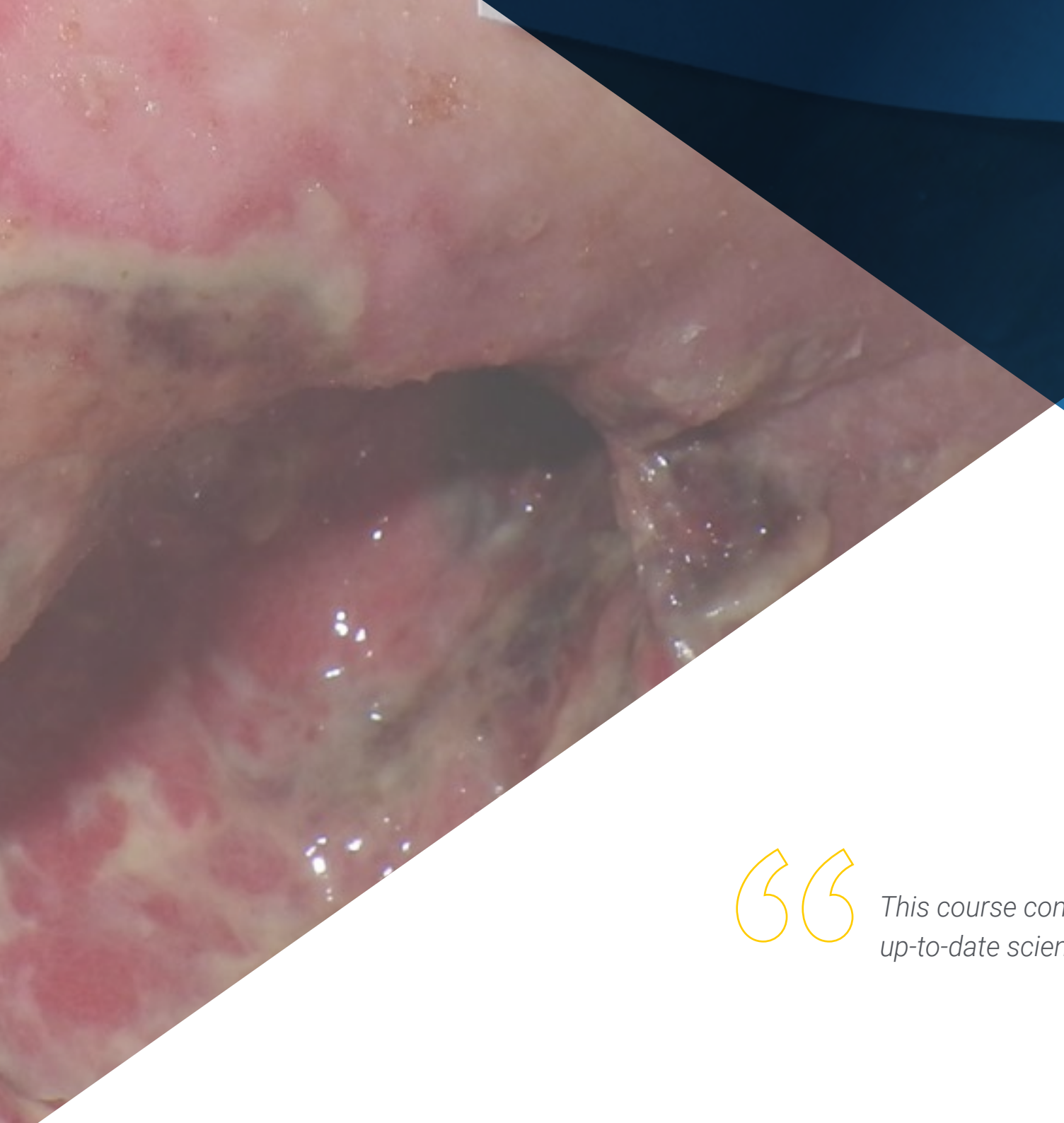
Dr. Ricart Olmos, María del Carmen

- Degree in Medicine and Surgery
- Specialist in Internal Medicine
- Attending Physician in the Infectious Diseases Unit and the Consorcio General University Hospital, Valencia
- Author of several publication and research projects
- Editor of the Consensus Document on Age and Human Immunodeficiency Virus Infection Expert Group of the Secretariat of the National AIDS Plan (SPNS), Spanish Society of Geriatrics and Gerontology (SEGG).
- Master's Degree in Infectious Diseases in Intensive Care

04

Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities in the country, aware of the relevance of current training to intervene in the diagnosis, treatment and monitoring of infectious diseases in the emergency room and committed to quality teaching through new educational technologies.



This course contains the most complete and up-to-date scientific program on the market"

Module 1. Infections of Organs and Apparatus: Skin, Soft and Osteoarticular

1.1. Cellulitis and Superficial Infections
- 1.1.1. Clinical Presentation
- 1.1.2. Diagnosis
- 1.1.3. Treatment

1.2. Deep Infections
- 1.2.1. Necrotizing Fasciitis
- 1.2.2. Fournier's Gangrene
- 1.2.3. Infectious Myositis

1.3. Diabetic Foot
- 1.3.1. Etiopathogenesis
- 1.3.2. Clinical Presentation
- 1.3.3. Staging Classification of Ulcers of Infected Diabetic Foot.
- 1.3.4. Etiology
- 1.3.5. Diagnosis. Complementary Evaluations
- 1.3.6. Treatment

1.4. Pressure Ulcers
- 1.4.1. Etiopathogenesis
- 1.4.2. Risk Factors
- 1.4.3. Clinical Assessment
- 1.4.4. Complications
- 1.4.5. Treatment
- 1.4.6. Infection of Pressure Lesions

1.5. Septic Arthritis.
- 1.5.1. Epidemiology
- 1.5.2. Pathophysiology.
- 1.5.3. Etiology.
- 1.5.4. Clinical Presentation.
- 1.5.5. Diagnosis.
- 1.5.6. Differential Diagnosis.
- 1.5.7. Treatment.
- 1.5.8. Prognosis.

1.6. Osteomyelitis
- 1.6.1. Classification.
- 1.6.2. Etiology and Clinical Characteristics.
- 1.6.3. Diagnosis.
- 1.6.4. Treatment.

1.7. Spondylodiscitis
- 1.7.1. Etiopathogenesis and Microbiology.
- 1.7.2. Clinical Manifestations.
- 1.7.3. Diagnosis.
- 1.7.4. Treatment.
- 1.7.5. Prognosis.

1.8. Infection of Joint Prostheses and Osteosynthesis Material.
- 1.8.1. Etiopathogenesis.
- 1.8.2. Diagnostic Approximation.
- 1.8.3. Treatment Management.

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

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.

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.

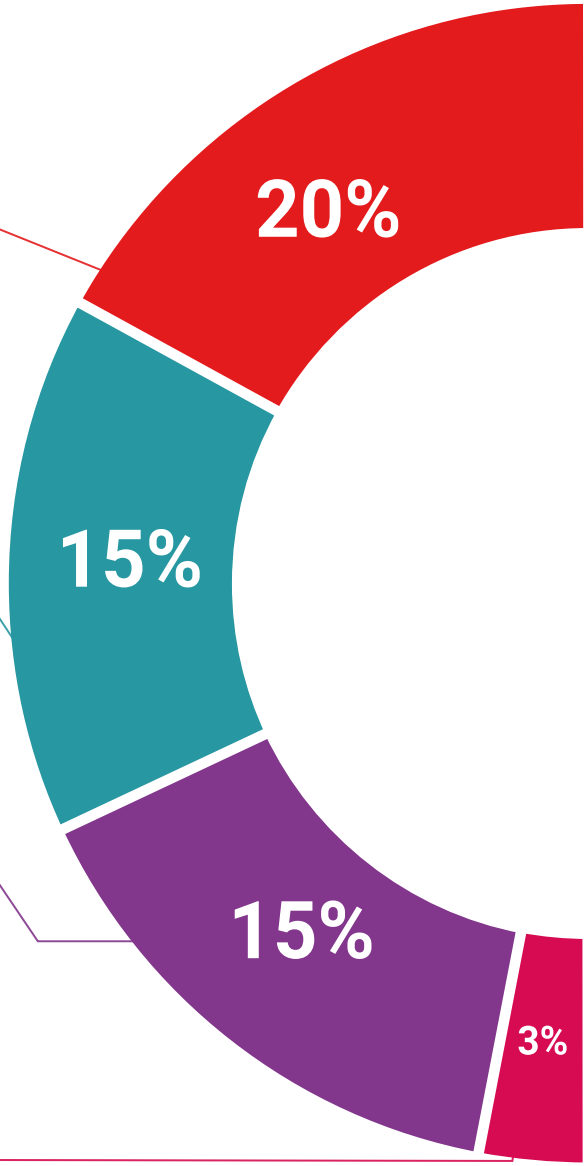
Interactive Summaries

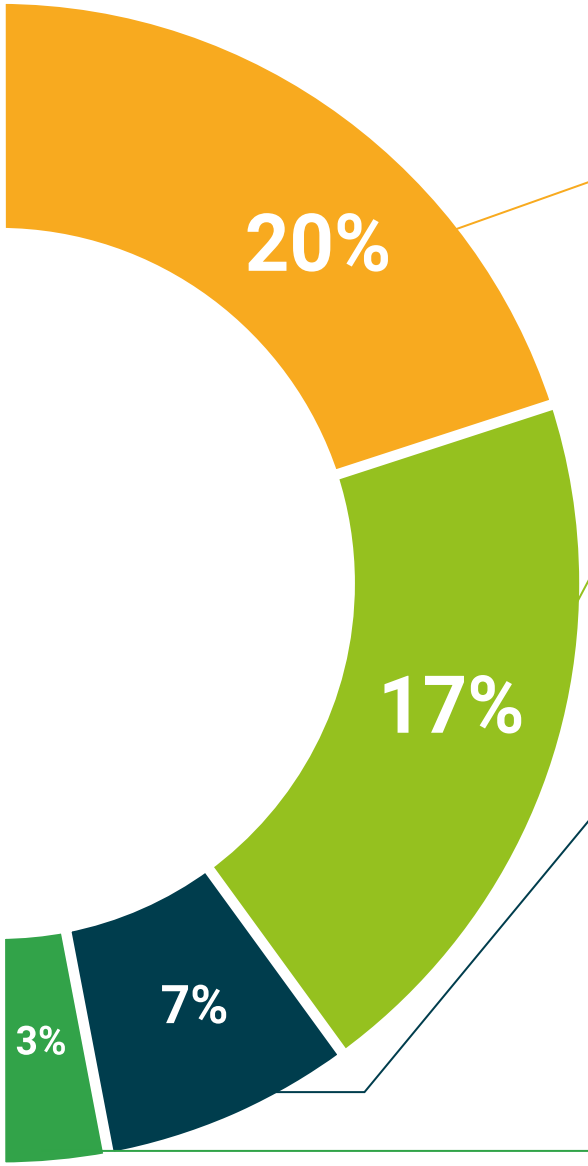
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.





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.

06

Certificate

The Postgraduate Certificate in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.

Successfully complete this training and receive your Certificate without the hassle of travel or paperwork"

This private qualification will allow you to obtain a **Postgraduate Certificate in Nombre del Programa** 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 Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room**

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 ECTS**

tech global university

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

Postgraduate Certificate in Osteoarticular, Skin and Soft Tissue Infections in the Emergency Room

This is a private qualification of 150 hours of duration equivalent to 5 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

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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- Modality: **online**
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- Exams: **online**

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