

Postgraduate Diploma

Fracture Fixation Methods





Postgraduate Diploma

Fracture Fixation Methods

- » Modality: Online
- » Duration: 6 months.
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-fracture-fixation-methods

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01

Introduction

The methods of fracture fixation in animals have improved in recent years. There are several ways to perform this practice, so it is important that veterinary professionals update their knowledge with the latest developments in the field.



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This program is the best option you can find to specialize in Fracture Fixation Methods”

The teaching team of this Postgraduate Diploma in Fracture Fixation Methods has made a careful selection of the different state-of-the-art techniques for experienced professionals working in the veterinary field. Specifically, this specialization focuses on the study of skeletal external fixators and circular fixators, intramedullary nailing, and bone plates and screws.

External fixation of fractures is the use of a rigid brace placed outside the body and connected to the bone by needles through the skin (transcutaneous). The technique of placement with respect to other methods of internal osteosynthesis shows that external fixation improves the biological environment preserves soft tissue and irrigation, accelerates healing, decreases the risk of infection and reduces surgical time.

The external fixator provides stable fixation of the bony ends without the need for implants in the fracture line or immobilization of neighboring joints, therefore, it is especially indicated for open, exposed or infected fractures. It enables the compression, neutralization or distraction of the bony strands depending on the need of the pathology.

Fracture fixation with intramedullary (IM) pins in dogs and cats began in the 1940s. Its popularity increased due to advances in anesthesia, aseptic techniques, antibiotics and the awareness on the part of veterinarians and animal owners that, in most treated cases, there was a satisfactory repair.

Therefore, the intramedullary nail, for a long time, has been the most used implant in veterinary medicine because it is placed in the medullary cavity and becomes resistant to bending in all directions. Its strength is related to its diameter and its ability to restrict the movement of the fractured bone fragments. It is the most commonly used fixation system in dogs and cats.

In the last 20 years, fracture fixation with the use of rigid internal fixation implants, such as plates, has evolved enormously. It is possible to speak of eight or nine different systems of fracture fixation, the most widely recognized, using plates. In this case, the specialization will focus on the most widely used worldwide.

This **Postgraduate Diploma in Fracture Fixation Methods** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- ♦ The development of practical case studies presented by experts in Fracture Fixation Methods
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ New developments in fracture fixation methods
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies in fracture fixation methods
- ♦ 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



Don't miss the opportunity to take this Postgraduate Diploma in Fracture Fixation Methods with us - it's the perfect opportunity to advance your career"

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This Postgraduate Diploma is the best investment you can make in selecting a refresher program to update your knowledge in Fracture Fixation Methods”

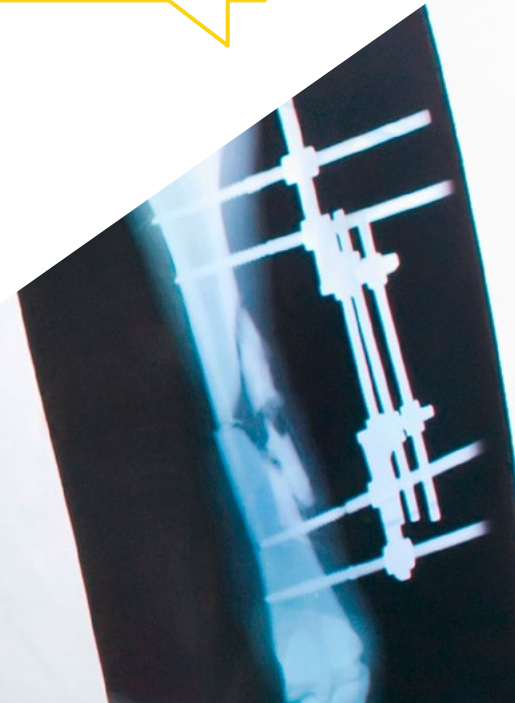
Its teaching staff includes professionals belonging to the veterinary field who contribute their work experience to this program, in addition to recognized specialists from prestigious reference societies and universities.

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 immersive learning programmed to study in real situations.

This program is designed around Problem-Based Learning, whereby the specialist must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Fracture Fixation Methods.

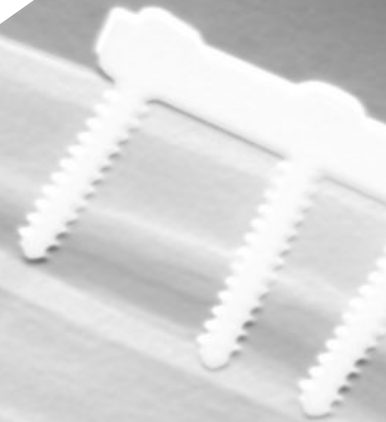
This specialization comes with the best teaching material, providing you with a contextual approach that will facilitate your learning.

Incorporate the latest developments in Traumatology and Orthopedic Surgery in your daily practice, with this specialization of high scientific rigor.



02 Objectives

The Postgraduate Diploma in Fracture Fixation Methods is oriented to facilitate the performance of the veterinary professional with the latest advances and newest treatments in the sector.





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You will learn to analyze the biomechanics and forces that control the intramedullary nail in long bone fractures in dogs and cats, from the hand of professionals in the sector”



General Objectives

- Compile the different configurations of the Kirschner-Ehmer external tutor
- Analyze the advantages and disadvantages of using external fixators
- Establish post-surgical care for external tutors
- Develop a discussion regarding nailing technique
- Identify and apply the basic principles in the use of the intramedullary and locked nails used in fractures in dogs and cats
- Analyze the biomechanics and forces controlling the intramedullary nail in long bone fractures in dogs and cats
- Establish the methods of insertion, types and sizes of intramedullary nails used in fractures in dogs and cats
- Identify the advantages, disadvantages and complications of the use of the intramedullary nail in fractures in dogs and cats
- Analyze and understand the principles and uses of the locking nail in long bone fractures in dogs and cats
- Identify other uses of the intramedullary nail and ancillary methods applied to bone fractures in dogs and cats
- Examine the evolution of internal fixation with plates over the last 50 years
- Determine the characteristics of each of the most important systems used in the world
- Classify the different plate fixation systems for osteosynthesis in dogs and cats, in terms of form, size and function





Specific Objectives

Module 1. Skeletal External Fixators and Circular Fixators

- ♦ Analyze the behavior of different configurations of linear, hybrid and circular stakes
- ♦ Compile the use of external tutors in cases of non-unions
- ♦ Propose the use of external fixation as the first option for tibia and radius fractures
- ♦ Concretize the use of tutors as a first option for open or infected fractures
- ♦ Demonstrate that external tutors can be used in felines
- ♦ Establish guidelines for the choice of use of each of the configurations
- ♦ Assess the importance of the quality of materials
- ♦ Examine the behaviour of the use of acrylic for long bone fractures
- ♦ Justify the advantages of the use of circular arthrodesis tutors
- ♦ Generate curiosity about the use of external tutors

Module 2. Intramedullary Nailing

- ♦ Establish the uses of intramedullary and locking nail applications in fractures of the femur, tibia and humerus
- ♦ Define the biomechanics and rotational stability of the intramedullary nail applied to the long bones of the dog and cat
- ♦ Identify the normograde and retrograde insertion forms for intramedullary nailing of long bones in dogs and cats
- ♦ Identify the use of intramedullary nailing and auxiliary fixation as cerclages and external fixators in fractures in dogs and cats
- ♦ Establish fracture repair times, radiographic follow-up and removal of intramedullary nails and ancillary methods used in fractures in dogs and cats
- ♦ Identify the use of the tension band applied to avulsion fractures in dogs and cats
- ♦ Evaluate the use of cross pins in metaphyseal, supracondylar and physal fractures of the long bones of dogs and cats

Module 3. Bone Plates and Screws

- ♦ Develop specialist judgment in the use of any of the systems covered in this module to decide which is the optimal fracture verification system for daily practice in dogs and cats
- ♦ Identify the main advantages and disadvantages of each of the plate fixation methods
- ♦ Evaluate the rope or conical locking systems in each of the plate fastening systems
- ♦ Determine the instrumentation required for the application of each implant.
- ♦ Make the best decision for each of the most common fractures on the best plate fixation system
- ♦ Decide on the optimal system to be used for different developmental conditions that cause angulations or abnormalities of bones and joints

03

Course Management

The program's teaching staff includes leading experts in Fracture Fixation Methods who contribute their vast work experience to this program. They are world-renowned doctors from different countries with proven theoretical and practical professional experience.



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Our teaching team, experts in Fracture Fixation Methods, will help you achieve success in your profession”

Management



Dr. Soutullo Esperón, Ángel

- Veterinarian Specialist in Animal Traumatology
- Responsible for the Orthopedic Surgery Service in the Hospitals Fuente el Saz, Prívet, Alcor, Velázquez, Valdemoro and Felino Gattos
- Owner of ITECA Veterinary Clinic
- Degree in Veterinary Medicine from the Complutense University of Madrid
- Master's Degree in Surgery and Traumatology from the Complutense University of Madrid
- Diploma of advanced studies in Veterinary Medicine from the Complutense University of Madrid
- Member of GEVO and AVEPA Scientific Committee
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Professors

Dr. Borja Vega, Alonso

- ♦ Head of the Surgery and Ophthalmology Department at Vet 2.0 Veterinary Clinic
Founder of Vet 2.0 Veterinary Clinic
- ♦ Degree in Veterinary Medicine from the Alfonso X El Sabio University
- ♦ Master's Degree in Veterinary Ophthalmology, UAB
- ♦ Advanced General Practitioner Certificate (GPAdvCert) in Small Animal Orthopedic Surgery
Practical initiation course in Osteosynthesis, SETOV

Dr. García Montero, Javier

- ♦ Surgeon in the Traumatology and Orthopedics Service at the Cruz Verde Vetsum Veterinary Hospital
Veterinary specialist at El Pinar Veterinary Clinic
- ♦ Degree in Veterinary Medicine from the University of Cordoba
Postgraduate Degree in Traumatology and Orthopedics in Small Animals at the Complutense University of Madrid
- ♦ Postgraduate Degree in Surgery and Anesthesia at the Autonomous University of Barcelona
Member of AO VET Foundation

Dr. Guerrero Campuzano, María Luisa

- ♦ Director of the Veterinary Clinic Petiberia
Bird Veterinarian at Puy du Fou Spain
Veterinarian at Oasis Wildlife Fuerteventura Zoo
- ♦ Animal Technician at the Spanish National Cancer Research Center (CNIO)
Volunteer in the Feline Colony Spay/Neuter Campaign at ALBA Animal Protection Society
Co-author of clinical trials and scientific knowledge pills
- ♦ Degree in Veterinary Medicine from the University Alfonso X El Sabio
Master's Degree in Soft Tissue Surgery and Anesthesia in Small Animals from the Autonomous University of Barcelona

Master's Degree in Exotic and Wild Animal Medicine and Surgery from the Complutense University of Madrid

Member of AVEPA and GMCAE

Dr. Monje Salvador, Carlos Alberto

- ♦ Head of Endoscopy and Minimally Invasive Surgery Service at ECCOA Veterinary Diagnostics
Veterinary Surgeon in Dopplervet
Responsible for Surgery and Diagnostic Imaging at Gattos Feline Clinical Center
- ♦ Veterinarian at Openvet Veterinary Hospital
Veterinary Surgeon at Unzeta Veterinary Clinic
Degree in Veterinary Medicine from the University of Santiago de Compostela
- ♦ Master's Degree in Endoscopy and Minimally Invasive Surgery in Small Animals from the University of Extremadura
Postgraduate Degree in Small Animal Surgery from the Autonomous University of Barcelona
Member of the Association of Veterinarians Specialists in Small Animals (AVEPA), the Group of Specialists in Feline Medicine AVEPA (GEMFE) and the Group of Veterinary Specialists in Traumatology and Orthopedics (GEVO)

Dr. Flores Galán, José Antonio

- ♦ Head of the Traumatology, Orthopedics and Neurosurgery Service at the Privet Veterinary Hospitals
- ♦ Doctor by the Complutense University of Madrid
- ♦ Degree in Veterinary Medicine from the Complutense University of Madrid
- ♦ Specialist in Traumatology and Orthopedic Surgery in Companion Animals by the Complutense University of Madrid

04

Structure and Content

The structure of the content has been designed by the best professionals in Veterinary Traumatology and Orthopedic Surgery sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to veterinary.



“

This Postgraduate Diploma in Fracture Fixation Methods contains the most complete and up-to-date scientific program on the market”

Module 1. Skeletal External Fixators and Circular Fixators

- 1.1. External Fixators
 - 1.1.1. History of the External Skeletal Fixator
 - 1.1.2. Description of the External Fixator
- 1.2. Parts Constituting the Kirschner-Ehmer Apparatus
 - 1.2.1. Nails
 - 1.2.1.1. Fixators
 - 1.2.2. Connecting Bar
- 1.3. Settings of the External Skeletal Fixator
 - 1.3.1. Half Skeletal Fixation Device
 - 1.3.2. Standard Kirschner-Ehmer Apparatus
 - 1.3.3. Modified Kirschner-Ehmer Apparatus
 - 1.3.4. Bilateral External Fixator Model
- 1.4. Mixed Skeletal Fixator Apparatus
- 1.5. Methods of Application of the Kirschner-Ehmer Apparatus
 - 1.5.1. Standard Method
 - 1.5.2. Modified Method
- 1.6. External Fixators with Acrylic
 - 1.6.1. The Use of Epoxy Resin
 - 1.6.2. The Use of Dental Acrylics
 - 1.6.2.1. Preparation of Acrylics
 - 1.6.2.2. Application and Setting Time
 - 1.6.2.3. Post-Surgery Care
 - 1.6.2.4. Implant Removal
 - 1.6.3. Acquisition of Acrylic Material
 - 1.6.4. Care in the Application of Acrylics
 - 1.6.5. Toxicity of Acrylic
 - 1.6.6. Bone Cement for Use in Fractures

- 1.7. Indications and Uses of External Fixators
 - 1.7.1. Anterior Limb
 - 1.7.2. Posterior Limb
 - 1.7.3. Other Areas
- 1.8. Advantages and Disadvantages of Using External Fixators
- 1.9. Post-Surgical Care and Complications
 - 1.9.1. Cleaning the Fixator
 - 1.9.2. Post-Operative Radiographic Studies
 - 1.9.3. Implant Removal
 - 1.9.4. Repositioning a Fixator
- 1.10. Fixators in Exotic Species
 - 1.10.1. Birds
 - 1.10.2. Reptiles
 - 1.10.3. Small Mammals

Module 2. Intramedullary Nailing

- 2.1. History
 - 2.1.1. Kuntcher's Nail
 - 2.1.2. The First Canine Patient with an Intramedullary Nail
 - 2.1.3. The Use of the Steinmann Nail in the 1970s
 - 2.1.4. The Use of the Steinmann Nail Today
- 2.2. Principles of Intramedullary Nail Application
 - 2.2.1. Type of Fractures in which It Can Be Exclusively Placed
 - 2.2.2. Rotational Instability
 - 2.2.3. Length, Tip and Rope
 - 2.2.4. Nail to Medullary Canal Diameter Ratio
 - 2.2.5. Principle of the 3 Points of the Cortex
 - 2.2.6. Behavior of the Bone and Its Irrigation after Intramedullary Nail Fixation

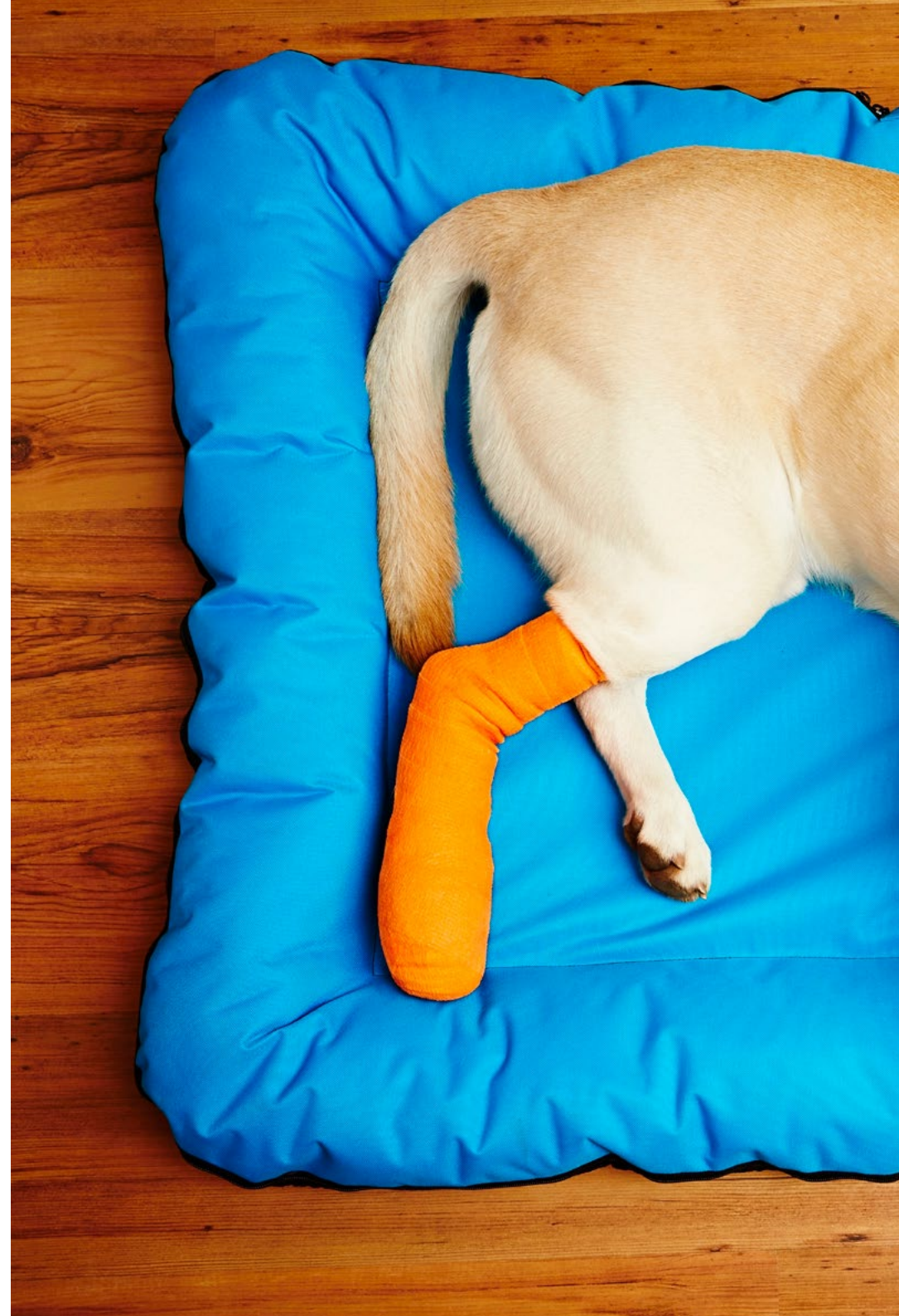
- 2.3. The Use of Locks with the Steinmann Intramedullary Nail
 - 2.3.1. Principles of Application of Fastenings and Lashings
 - 2.3.1.1. Barrel Principle
 - 2.3.1.2. Type of Fracture Line
- 2.4. Principles of Application of the Tension Band
 - 2.4.1. Pawel's or Brace Principle
 - 2.4.2. Application of Engineering to Orthopedics
 - 2.4.3. Bone Structures where the Tension Band Is to Be Applied
- 2.5. Method of Normograde and Retrograde Application of the Steinmann Nail
 - 2.5.1. Proximal and Distal Normograde
 - 2.5.2. Proximal and Distal Retrograde
- 2.6. Femur
 - 2.6.1. Proximal Femoral Fractures
 - 2.6.2. Fractures of the Medium Third of the Femur
 - 2.6.3. Fractures of the Distal Third of the Femur
- 2.7. Tibia
 - 2.7.1. Fractures of the Proximal Third
 - 2.7.2. Fractures of the Middle Third of the Tibia
 - 2.7.3. Fractures of the Distal Third of the Tibia
 - 2.7.4. Fractures of the Tibial Malleoli
- 2.8. Anterior Member
 - 2.8.1. Intramedullary Nail in the Humerus
 - 2.8.2. Intramedullary Nail in the Ulna
 - 2.8.3. Steinmann Intramedullary Nail Fixation
 - 2.8.4. Steinmann Intramedullary Nail and Auxiliary Fixation
 - 2.8.5. Acromion
- 2.9. Intramedullary and Proximal Nailing in Exotic Animals
 - 2.9.1. X-Ray Monitoring
 - 2.9.2. Bone Callus Formation
 - 2.9.3. Consolidation Behavior of the Different Species

- 2.10. Centromedullary Steel Nail
 - 2.10.1. History
 - 2.10.2. Components
 - 2.10.3. Structure
 - 2.10.4. Application
 - 2.10.5. Advantages and Disadvantages

Module 3. Bone Plates and Screws

- 3.1. History of Metal Plates in Internal Fixing
 - 3.1.1. The Initiation of Plates for Fracture Fixation
 - 3.1.2. The World Association of Orthopedic Manufacturers (AO/ASIF)
 - 3.1.3. Sherman and Lane Plates
 - 3.1.4. Steel Plates
 - 3.1.5. Titanium Plates
 - 3.1.6. Plates of Other Materials
 - 3.1.7. Combination of Metals for New Plate Systems
- 3.2. Different Fixing Systems with Plate 8 (AO/ASIF, ALPS, FIXIN)
 - 3.2.1. AO/ASIF Plates
 - 3.2.2. Advanced Locked Plate System. (ALPS)
 - 3.2.3. FIXIN and Its Conical Block
- 3.3. Instrument Care
 - 3.3.1. Cleaning and Disinfection
 - 3.3.2. Washing
 - 3.3.3. Drying
 - 3.3.4. Lubrication
 - 3.3.5. Organization

- 3.4. Instruments Used for the Fixation of Plates and Screws
 - 3.4.1. Self-Tapping Screws and Tap Removal
 - 3.4.2. Depth Gages
 - 3.4.3. Drilling Guides
 - 3.4.4. Plate Benders and Plate Twisters
 - 3.4.5. Screw Heads
 - 3.4.6. Screws/Bolts
- 3.5. Use and Classification of Screws
 - 3.5.1. Cancellous Bone Screws
 - 3.5.2. Cortical Bone Screws
 - 3.5.3. Locked Screws/Bolts
 - 3.5.4. Fastening Screws
 - 3.5.4.1. Use of the Drill
 - 3.5.4.2. Use of the Countersink
 - 3.5.4.3. Borehole Depth Measurement
 - 3.5.4.4. Use of the Tap
 - 3.5.4.5. Introduction to Screws
- 3.6. Technical Classification of Screws
 - 3.6.1. Big Screws
 - 3.6.2. Small Screws
 - 3.6.3. Minifragments
- 3.7. Classification of Screws According to Their Function
 - 3.7.1 Screw with Interfragmentary Compression Effect
 - 3.7.2 The Cortical Bone Screw with Interfragmentary Compression Effect
 - 3.7.3. Screw Reduction and Fixation Techniques with Interfragmentary Compression Effect
 - 3.7.4. Locked System





- 3.8. Bone Plates
 - 3.8.1. Bases for Fixing with Plates
 - 3.8.1.1. Classification of Plates According to Their Shape
 - 3.8.1.2. Classification of Plates According to Their Function
 - 3.8.1.2.1. Compression Plate
 - 3.8.1.2.2. Neutralization Plate
 - 3.8.1.2.3. Bridge Plate
 - 3.8.1.3. Dynamic Compression Plates
 - 3.8.1.3.1. Mode of Action
 - 3.8.1.3.2. Fixing Technique
 - 3.8.1.3.3. Advantages and Disadvantages
 - 3.8.1.4. Blocked Plates
 - 3.8.1.4.1. Advantages and Disadvantages
 - 3.8.1.4.2. Block Types
 - 3.8.1.4.3. Mode of Action
 - 3.8.1.4.4. Techniques, Instrumental
 - 3.8.1.5. Minimum Contact Plates
 - 3.8.1.6. Mini Plates
 - 3.8.1.7. Special Plates
- 3.9. How to Select an Implant
 - 3.9.1. Biological Factors
 - 3.9.2. Physical Factors
 - 3.9.3. Collaboration of the Owner in the Treatment
 - 3.9.4. Table of Implant Size According to Patient Weight
- 3.10. When to Remove a Plate
 - 3.10.1. Fulfilled Clinical Function
 - 3.10.2. Implant Ruptures
 - 3.10.3. Implant Bends
 - 3.10.4. Implant Migrates
 - 3.10.5. Rejection
 - 3.10.6. Infections
 - 3.10.7. Thermal Interference

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.



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*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

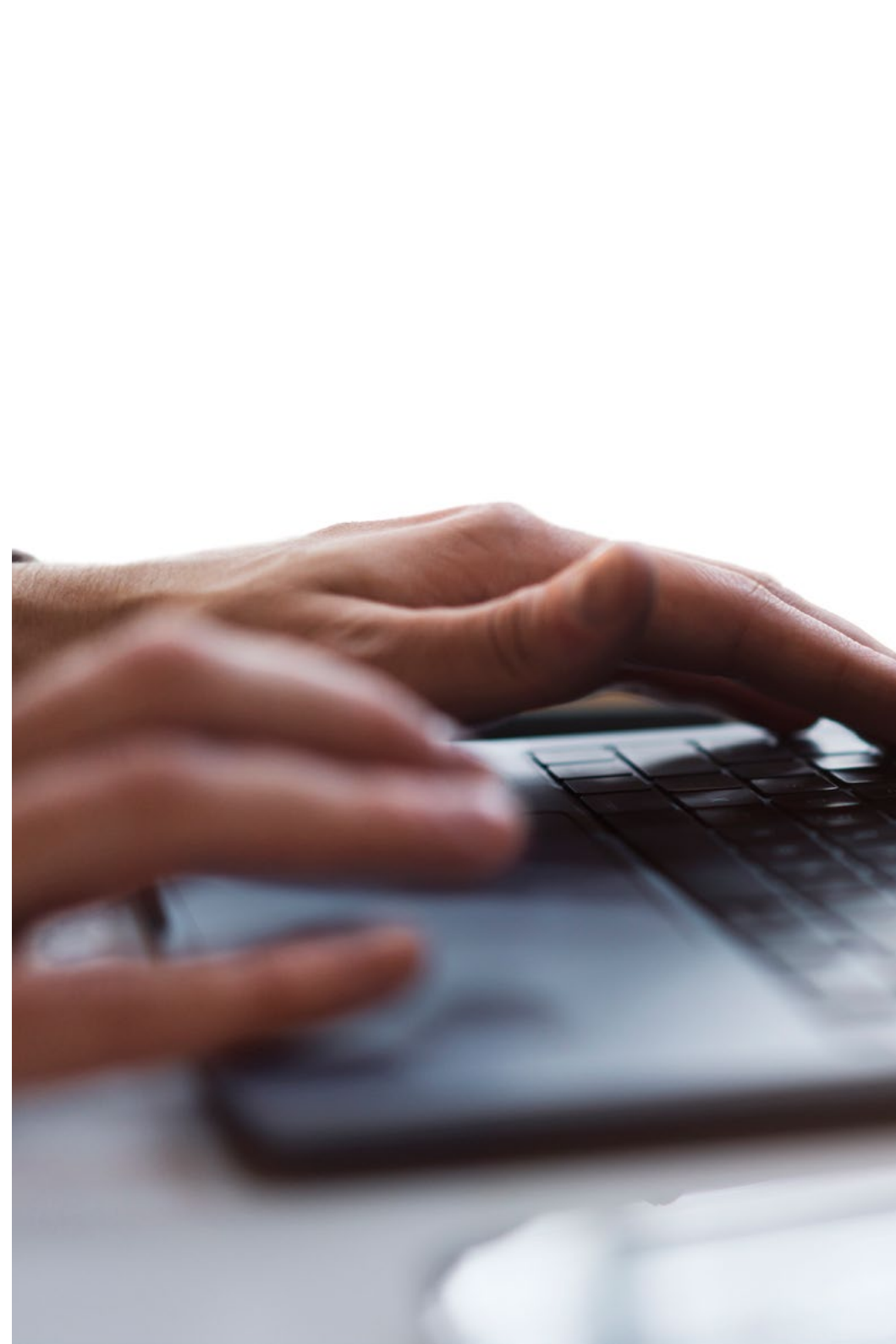
In TECH's study methodology, the student is the main protagonist.

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.

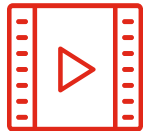
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

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

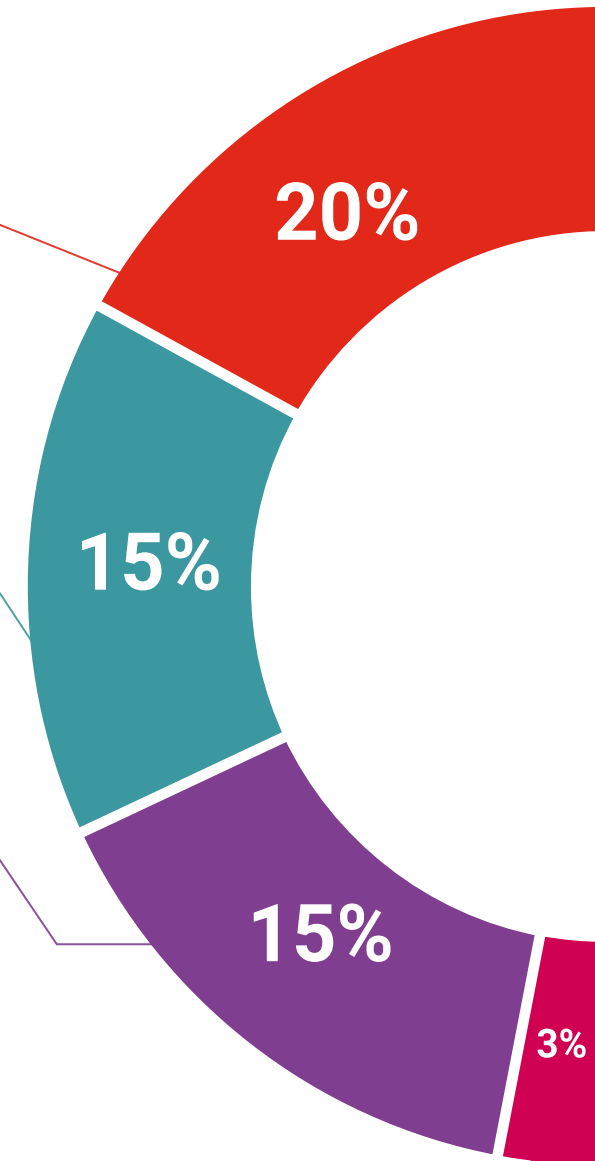
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

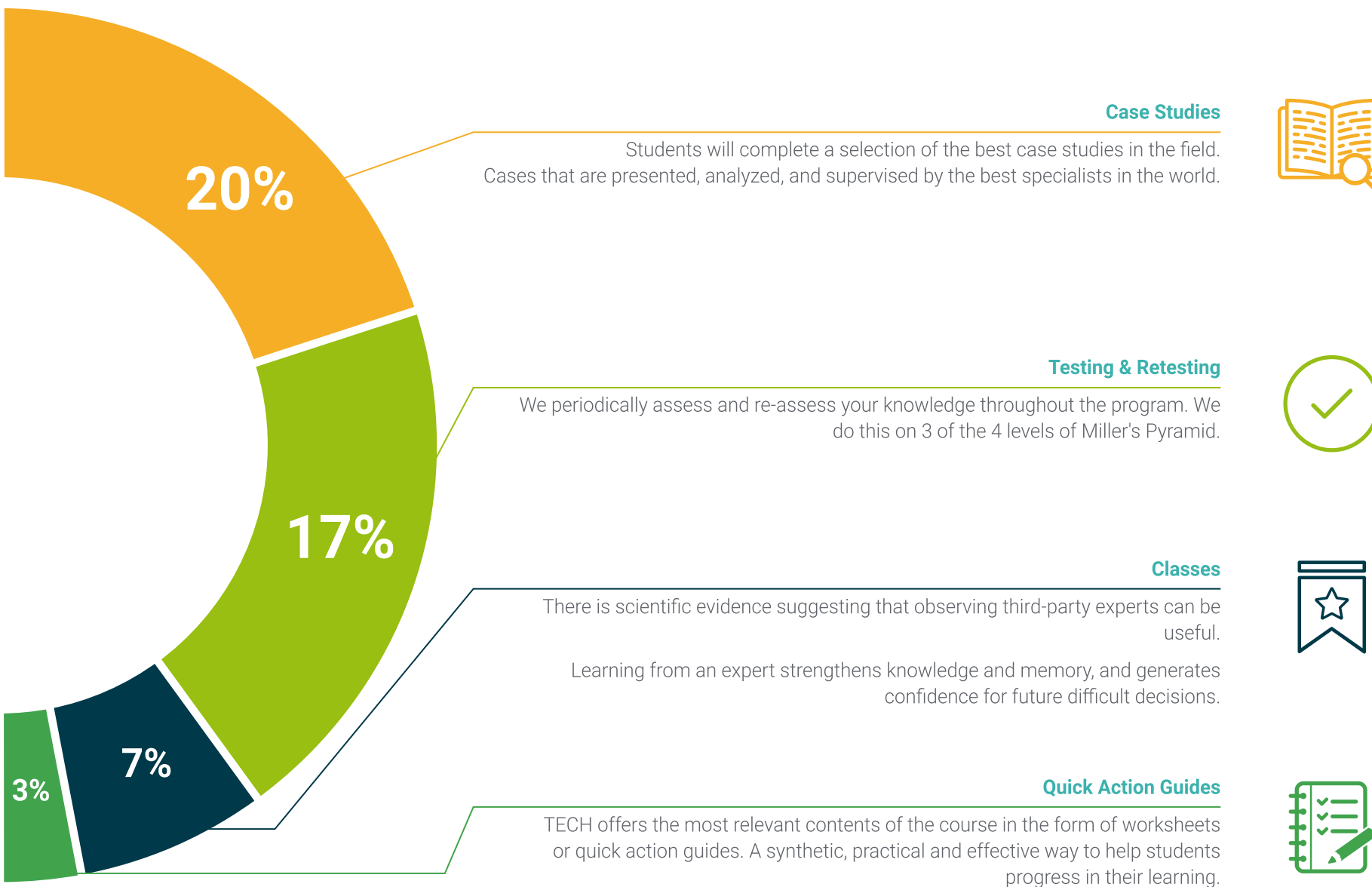
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06 Certificate

The Postgraduate Diploma in in Fracture Fixation Methods guarantees students, in addition to the most rigorous and up-to-date education program, access to a Postgraduate Diploma issued by TECH Global University.



“

*Successfully complete this program
and receive your university qualification
without having to travel or fill out laborious
paperwork”*

This private qualification will allow you to obtain a **Postgraduate Diploma in Fracture Fixation Methods** 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.

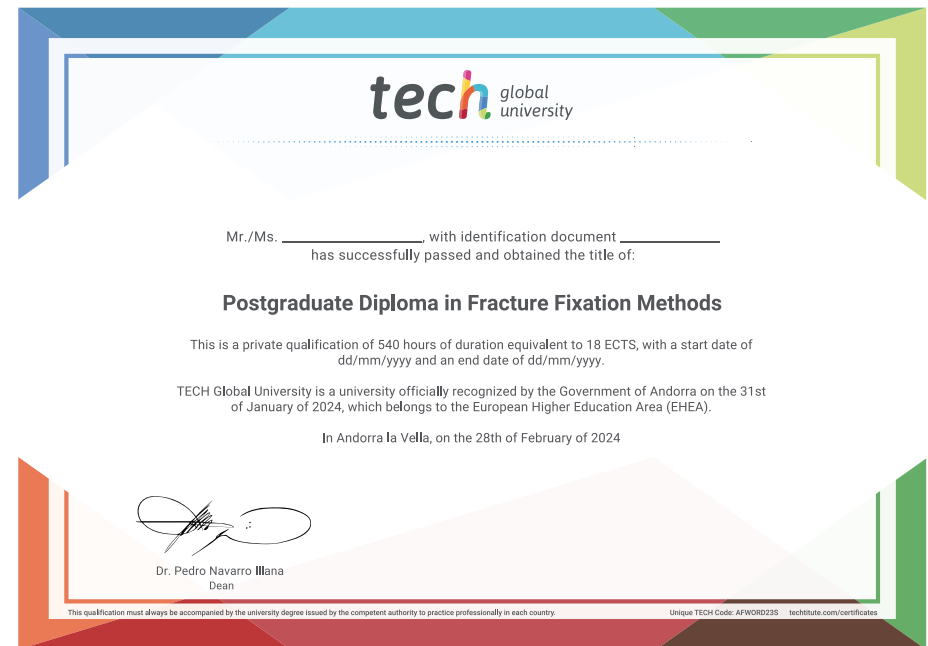
This **TECH Global University private qualification**, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Fracture Fixation Methods**

Modality: **online**

Duration: **6 months**.

Accreditation: **18 ECTS**





Postgraduate Diploma

Fracture Fixation Methods

- » Modality: Online
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- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Fracture Fixation Methods

