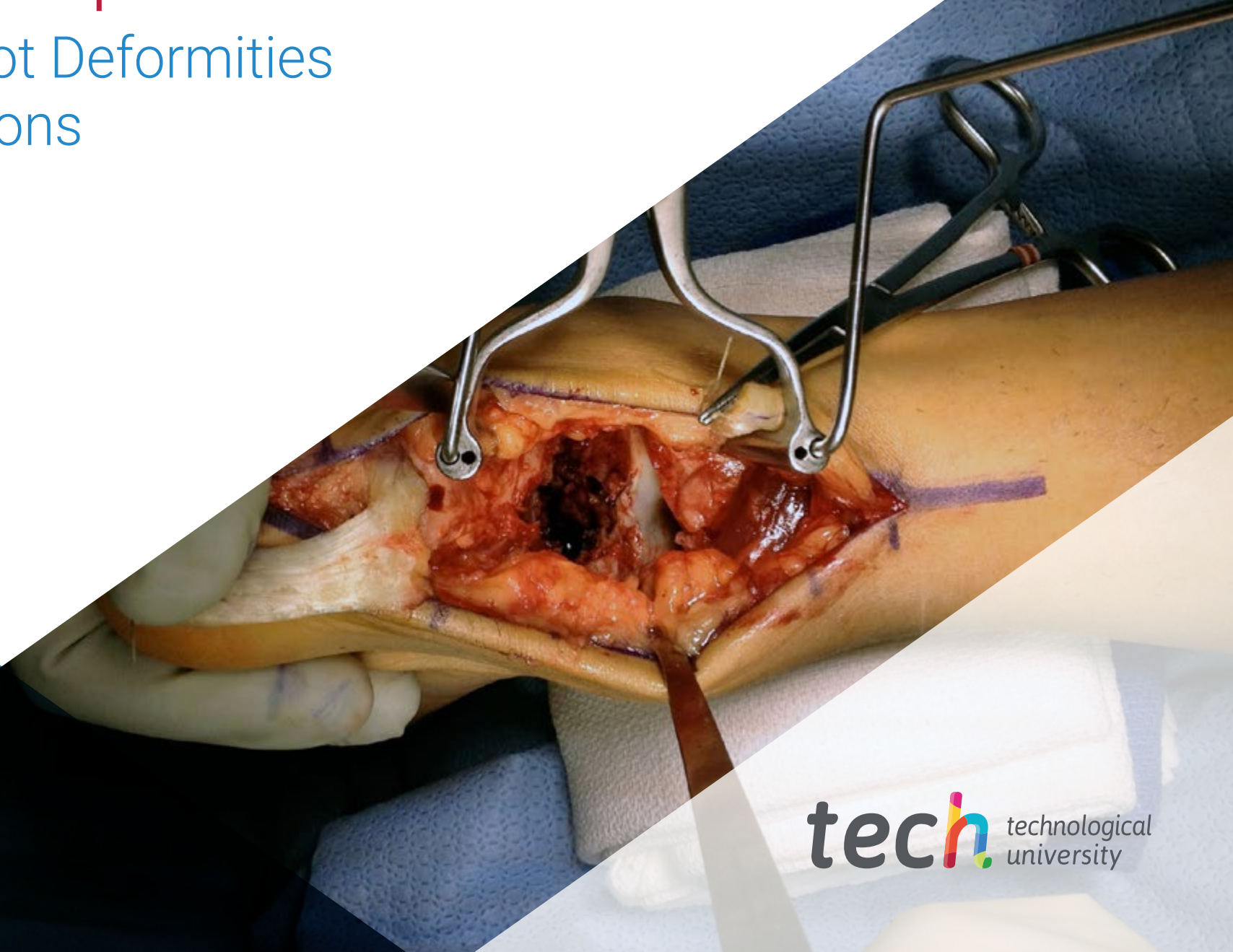


Postgraduate Diploma

Complex Foot Deformities and Corrections





Postgraduate Diploma Complex Foot Deformities and Corrections

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-complex-foot-deformities-corrections

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01

Introduction

The current lifestyle and type of footwear cause specific pathologies in the foot, which considerably affect the patient's daily life. However, thanks to technological advances, both the diagnostic tests and the techniques used have improved, and even minimally invasive surgeries have been perfected. These advances require medical professionals to constantly update their knowledge in this field. That is why this program was created, which provides the most advanced and comprehensive information on forefoot and midfoot pathologies and their current clinical approach. All this, in a qualification with a 100% online teaching format and high-quality multimedia content, developed by a team of specialists in this health field.





“

With this 100% online Postgraduate Diploma you will obtain the most relevant and recent information on Complex Foot Deformities and Corrections"

Medical professionals are increasingly noticing how the type of footwear used, especially in the West, influences the appearance of pathologies, which sometimes require surgical intervention due to their severity or their effect on the patient's health and well-being. The increase in consultations for radial foot or midfoot deformity problems has helped to improve the technique through scientific evidence and the daily management of patients with such complications.

In this scenario, technology has greatly favored both diagnosis and the instruments and equipment used in surgical interventions. The specialist cannot remain oblivious to these new developments, and is obliged to constantly update their knowledge. For this reason, TECH has created this Postgraduate Diploma in Complex Foot Deformities and Corrections, where it offers the latest information in this subspecialty, through a specialized teaching team and reference in this field.

The professional is faced with a university program taught exclusively online, whose content is characterized by innovation and dynamism. In this way, through video summaries, detailed videos, case studies and essential readings they will be able to delve into the Hallux Valgus deformity or bunion, the problem of Hallux Rigidus or arthropathy of the first metatarsophalangeal joint, the deformity of Hallux Varus and the problems of the sesamoid system or sesamoid complex.

In addition, with the Relearning method, based on content reiteration, they will be able to more effectively cement the concepts that address the specific pathology affecting the triphalangeal toes, metatarsalgia and triphalangeal toe problems, which are among the most common problems in foot and ankle pathology. The type of footwear and lifestyle of Western society are an important cause of this problem and less frequent pathologies such as Müller Weiss, with which the tennis laureate Rafael Nadal was diagnosed.

The professionals have before them a flexible Postgraduate Diploma that can be taken comfortably, whenever and wherever they wish. It only requires an electronic device with internet connection to access the content hosted on the virtual campus. It also offers the possibility of being able to distribute the teaching load according to their needs. Undoubtedly, an ideal educational option for specialists who wish to balance their most demanding responsibilities with a quality university qualification.

This **Postgraduate Diploma in Complex Foot Deformities and Corrections** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in medicine
- ♦ 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
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative 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



Achieve your goals of updating your knowledge through a program, which is at the academic forefront"

“

A university qualification that provides you with the latest scientific evidence on the use of complementary tests for the determination and staging of metatarsalgia and triphalangeal toes"

The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious 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 education programmed to learn in real situations.

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

The multimedia resources will lead you to delve in a much more attractive way in the different pathologies between Hallux Valgus, Hallux Varus, Hallux Rígidus.

You are facing a 100% online program, flexible and that you can access comfortably, whenever and wherever you want.



02 Objectives

In the course of this Postgraduate Diploma, the medical professional will acquire an update of their knowledge on Complex Foot Deformities and Corrections. As a result, they will be able to learn about the main surgical techniques, the material used, as well as the most frequently used methodologies in the resolution of complications. For this purpose, detailed videos and clinical cases elaborated by a teaching team integrated by specialists in this health area are available.



“

This university program will allow you to get up to date on the ideal treatments and their therapeutic algorithm to address complex foot corrections"



General Objectives

- ♦ Determine the ideal conservative or surgical treatment options and know how to establish a therapeutic algorithm
- ♦ Gain knowledge about the most frequent complications and how to avoid them
- ♦ Develop the main surgical techniques, material used and tips & tricks



You will learn about midfoot and forefoot pathologies and their approach through minimally invasive surgeries"





Specific Objectives

Module 1. Forefoot: Pathologies of the First Radius

- ◆ Develop the anatomical and pathophysiological principles of the problems affecting the first radius of the forefoot
- ◆ Examine the best and specific surgical techniques for each problem affecting the first radius and evaluate the pros and cons of each surgical option

Module 2. Forefoot: Pathologies of Triphalangeal and Metatarsal Toes

- ◆ Examine the anatomical and pathophysiological basis of the problems affecting metatarsalgia and triphalangeal toes
- ◆ Assess the different complementary tests for the determination and staging of metatarsalgia and triphalangeal toes

Module 3. Midfoot Pathologies

- ◆ Compile the topographic anatomy, as well as the osteoarticular anatomy for correct anamnesis
- ◆ Establish contraindications as well as special situations
- ◆ Review the main approaches used in open surgery as well as minimally invasive surgery



03

Course Management

TECH in its quest to offer all its students a quality education in accordance with current educational times, has gathered an excellent teaching team made up of specialists in surgery, orthopedics and traumatology. Their extensive professional experience is a guarantee in the objective of updating knowledge on the part of the physician, who enters this qualification. Also, thanks to their proximity, you will be able to resolve any questions you may have about the content of this program's syllabus.





“

You will undoubtedly have an excellent team of professionals specialized in orthopedics, traumatology and surgery”

Management



Dr. Pacheco Gutiérrez, Victor Alexander

- ◆ Specialist in Orthopedics and Sports Medicine, Dr. Sulaiman Al Habib Hospital
- ◆ Medical Advisor, Venezuelan Cycling Federation
- ◆ Specialist, Department of Shoulder and Elbow Orthopedics and Sports Medicine, La Isabelica Clinical Center
- ◆ Medical advisor to several baseball clubs and to the Carabobo Boxing Association
- ◆ Degree in Medicine, University of Carabobo
- ◆ Specialty in Orthopedics and Traumatology, Dr. Enrique Tejera Hospital City



Professors

Dr. Ballester Alomar, Manel

- ◆ Head of Orthopedic Surgery and Traumatology at Hospital Mataró, Barcelona
- ◆ Coordinator of the Traumatology Group of Creu Blanca Clinic
- ◆ Head of the Foot/ankle pathology and surgery and sports traumatology unit
- ◆ at Creu Blanca Clinic
- ◆ Responsible and Coordinator of the Emergency Department of Creu Blanca Clinic
- ◆ Medical Coordinator of the surgical area of Creu Blanca Clinic
- ◆ Degree in Medicine and Surgery from the Autonomous University of Barcelona
- ◆ Specialist in Orthopedic Surgery and Traumatology at the Mataró Hospital
- ◆ Fellowship in the Department of Foot and Ankle Surgery at the University Hospital Balgrist Klinik in Zurich, Switzerland

Dr. Lucar López, Gustavo

- ◆ Specialist in the Foot and Ankle Unit and Sports Traumatology at Creu Blanca Clinic
- ◆ Head of the Foot and Ankle Unit at Mataró Hospital
- ◆ Graduated in Medicine and Surgery at the University of Carabobo
- ◆ Specialist in Orthopedic Surgery and Traumatology at the Mataró Hospital

04

Structure and Content

Undoubtedly the need to be up to date in the treatment and management of patients with forefoot and midfoot pathologies is answered in the study plan of this Postgraduate Diploma. A syllabus that will lead the professional to delve into the different pathologies, the approach to the patient according to the injury, as well as the news about the surgical technique used. This will also be possible thanks to a library of multimedia resources made up of innovative material: video summaries, in-focus videos, essential readings and case studies.





“

A syllabus designed to offer the professional the most recent advances in diagnosis and treatment of forefoot and midfoot pathologies”

Module 1. Forefoot: Pathologies of the First Radius

- 1.1. Anatomy
 - 1.1.1. Topographic Anatomy
 - 1.1.2. Osteoarticular and Ligament Anatomy
 - 1.1.3. Basic Biomechanics of the First Radius
- 1.2. Diagnostic Imaging
 - 1.2.1. Radiographic Anatomy
 - 1.2.2. Value of CT in the Pathologies of the First Radius
 - 1.2.3. Benefits of Magnetic Resonance in the Pathologies of the First Radius
- 1.3. Treatment Update
 - 1.3.1. Associated Problems in the First Radius
 - 1.3.2. Differentiating *Hallux Valgus*, *Hallux Varus*, *Hallux Rigidus*
 - 1.3.3. Problems Associated with the Sesamoid Complex
 - 1.3.4. Treatment Update on *Hallux Valgus*, *Hallux Varus*, *Hallux Rigidus*, and Sesamoid Complex Problems
 - 1.3.5. Current Controversies
- 1.4. Indications
 - 1.4.1. Assessment of *Hallux Valgus*
 - 1.4.2. Assessment of *Hallux Rigidus*
 - 1.4.3. Assessment of *Hallux Varus*
 - 1.4.4. Assessment of Sesamoid Problems
 - 1.4.5. Treatment Update on *Hallux* Problems
 - 1.4.6. Controversies
- 1.5. Contraindications
 - 1.5.1. Absolute Contra-indications
 - 1.5.2. Relative Contra-indications
 - 1.5.3. Multidisciplinary Control
- 1.6. Preoperative Planning
 - 1.6.1. Patient Optimization
 - 1.6.2. Preoperative Measures to Improve Results
 - 1.6.3. Multidisciplinary Management

- 1.7. Boarding Routes
 - 1.7.1. Medial Approach for First Radius Pathology
 - 1.7.2. Dorsal Approach for First Radius Pathology
 - 1.7.3. Minimally Invasive Approach to First Radius Problems
- 1.8. Surgical Technique
 - 1.8.1. Surgical Techniques for the Treatment of *Hallux Valgus*
 - 1.8.2. Surgical Techniques for the Treatment of *Hallux Rigidus*
 - 1.8.3. Surgical Techniques for the Treatment of *Hallux Varus*
 - 1.8.4. Surgical Techniques for the Treatment of Problems of the Sesamoid Complex
- 1.9. Complications
 - 1.9.1. Most Common Problems in the Treatment of *Hallux Valgus* and *Hallux Varus*
 - 1.9.2. Most Common Problems in the Treatment of *Hallux Rigidus*
 - 1.9.3. Most Common Problems in the Treatment of Sesamoid Problems
 - 1.9.4. Surgical Rescue Techniques for First Radius Problems
 - 1.9.5. Post-Surgical Infections and Treatment Options
 - 1.9.6. Other Complications
- 1.10. Post-Operative Care
 - 1.10.1. Postoperative Guidelines for First Radius Surgery
 - 1.10.2. Controls and Follow-Up after First Radius Surgery
 - 1.10.3. Follow-up Discharge

Module 2. Forefoot: Pathologies of Triphalangeal and Metatarsal Toes

- 2.1. Anatomy
 - 2.1.1. Topographic Anatomy
 - 2.1.2. Osteoarticular, Ligamentous and Muscular Anatomy
 - 2.1.3. Basic Biomechanics of the Metatarsal and Triphalangeal Toes
- 2.2. Diagnostic Imaging
 - 2.2.1. Radiographic Anatomy
 - 2.2.2. Value of CT in the Pathologies of the Metatarsal and Triphalangeal Toes
 - 2.2.3. Value of Magnetic Resonance Imaging in the Pathology of the Metatarsal and Triphalangeal Toes

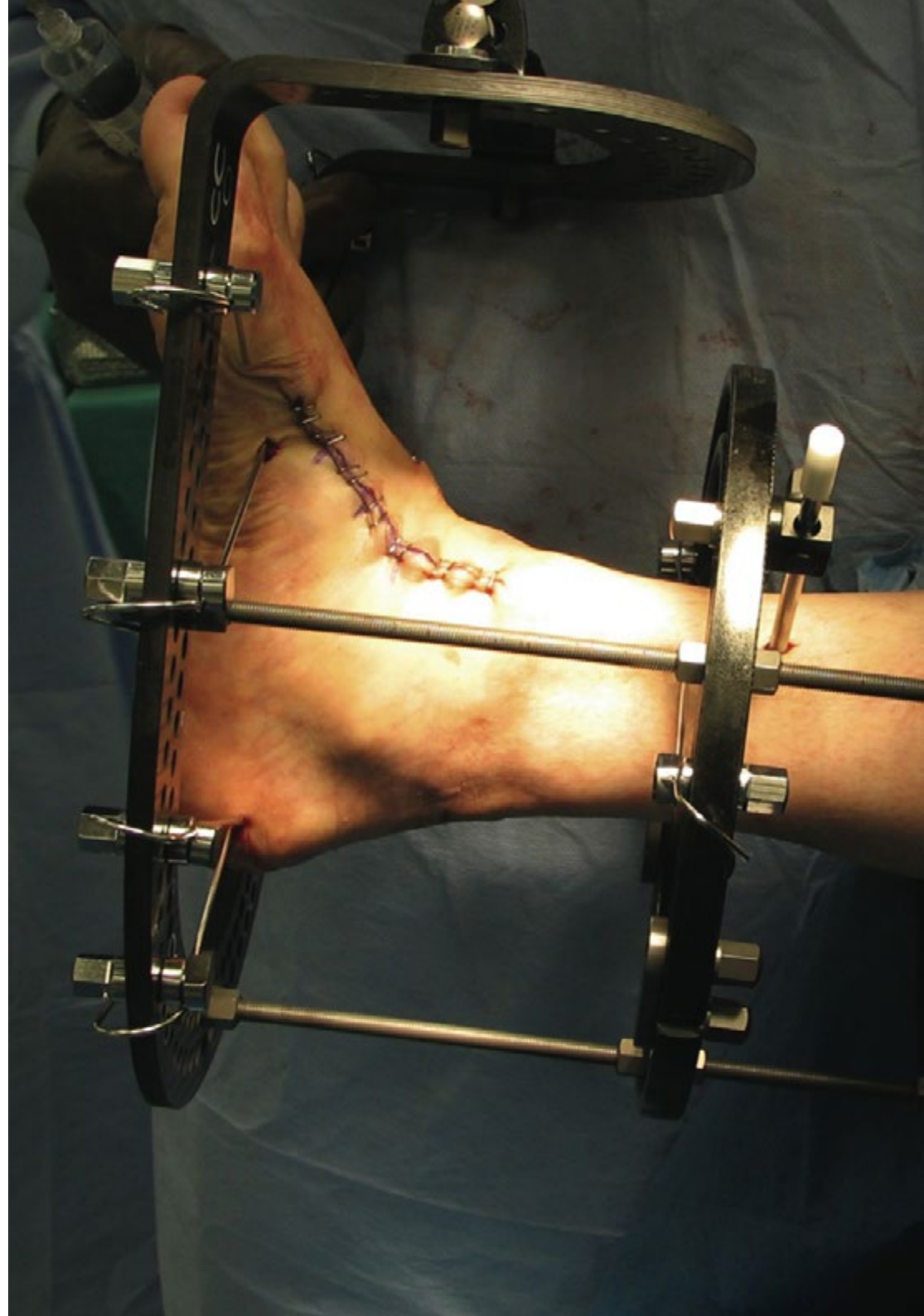


- 2.3. Problems Associated with Metatarsalgia and Triphalangeal Toes
 - 2.3.1. Concepts on the Associated Problems of Metatarsalgia and Triphalangeal Toes
 - 2.3.2. Types of Metatarsalgia and Metatarsophalangeal Complex Problems
 - 2.3.3. Problems Associated with Triphalangeal Toes
 - 2.3.4. Treatment Update on Metatarsalgia and Triphalangeal Toes
 - 2.3.5. Current Controversies
- 2.4. Indications to Problems Associated with Metatarsalgia and Triphalangeal Toes
 - 2.4.1. Assessment of Metatarsalgia and Metatarsophalangeal Complex Problems
 - 2.4.2. Assessment of Triphalangeal Toes
 - 2.4.3. Assessment of Fifth Radius or Toe Problems
 - 2.4.4. Treatment Update on Metatarsalgia and Metatarsophalangeal Complex Problems
 - 2.4.5. Current Controversies
- 2.5. Contraindications
 - 2.5.1. Absolute Contra-indications
 - 2.5.2. Relative Contra-indications
 - 2.5.3. Multidisciplinary Control
- 2.6. Preoperative Planning
 - 2.6.1. Patient Optimization
 - 2.6.2. Preoperative Measures to Improve Results
 - 2.6.3. Multidisciplinary Management
- 2.7. Boarding Routes
 - 2.7.1. Types of Approach for Metatarsal and Metatarsophalangeal Pathology
 - 2.7.2. Approach to Triphalangeal Toe Problems
 - 2.7.3. Approach to Problems of the Fifth Radius
 - 2.7.4. Minimally Invasive Approach in Metatarsalgia and Metatarsophalangeal Complex Problems
- 2.8. Surgical Technique
 - 2.8.1. Surgical Techniques for the Treatment of Metatarsalgia and the Metatarsophalangeal Complex
 - 2.8.2. Surgical Techniques for the Treatment of Triphalangeal Toes
 - 2.8.3. Surgical Techniques for the Treatment of Fifth Radius

- 2.9. Complications
 - 2.9.1. Common Problems in the Treatment of Metatarsalgia and the Metatarsophalangeal Complex
 - 2.9.2. Most Common Problems in the Treatment of Triphalangeal Toes
 - 2.9.3. Most Common Problems in the Treatment of the Fifth Radius Problem
 - 2.9.4. Surgical Rescue Techniques for Metatarsalgia and Triphalangeal Toe Problems
 - 2.9.5. Post-Surgical Infections and Treatment Options
 - 2.9.6. Other Complications
- 2.10. Postoperative Care
 - 2.10.1. Postoperative Guidelines for Metatarsalgia and Triphalangeal Toe Surgery
 - 2.10.2. Controls and Follow-up After Surgery for Metatarsalgia and Triphalangeal Toes
 - 2.10.3. Follow-up Discharge

Module 3. Midfoot Pathologies

- 3.1. Lapidus Arthrodesis
 - 3.1.1. Anatomy
 - 3.1.2. Literature Review
 - 3.1.3. Indications/Contraindications
 - 3.1.4. Surgical Technique
 - 3.1.5. Post-Operative
- 3.2. Osteoarthritis of the Tarsometatarsal Joint
 - 3.2.1. Anatomy
 - 3.2.2. Literature Review
 - 3.2.3. Indications/Contraindications
 - 3.2.4. Surgical Technique
 - 3.2.5. Postoperative
- 3.3. Fractures of the Tarsometatarsal Joint
 - 3.3.1. Anatomy
 - 3.3.2. Literature Review
 - 3.3.3. Preoperative Planning
 - 3.3.4. Boarding Routes
 - 3.3.5. Surgical Technique
 - 3.3.6. Postoperative



- 3.4. Stress Fracture and Pseudoarthrosis of the Tarsal Navicular
 - 3.4.1. Anatomy
 - 3.4.2. Boarding Routes
 - 3.4.3. Surgical Technique
 - 3.4.4. Postoperative
- 3.5. Cuboid Fracture
 - 3.5.1. Anatomy
 - 3.5.2. Boarding Routes
 - 3.5.3. Surgical Technique
 - 3.5.4. Post-Operative
- 3.6. Fractures of the Proximal Segment of the Fifth Metatarsal
 - 3.6.1. Anatomy
 - 3.6.2. Literature Review
 - 3.6.3. Surgical Technique
 - 3.6.4. Pseudarthrosis - Surgical Treatment
 - 3.6.5. Postoperative
- 3.7. Müller-Weiss Syndrome
 - 3.7.1. Literature Review
 - 3.7.2. Indications
 - 3.7.3. Contraindications
 - 3.7.4. Surgical Technique
 - 3.7.5. Postoperative

- 3.8. Scaphoid-Astragalar Osteoarthritis
 - 3.8.1. Anatomy
 - 3.8.2. Literature Review
 - 3.8.3. Surgical Technique
 - 3.8.4. Pseudarthrosis Surgical Treatment
 - 3.8.5. Postoperative
- 3.9. Charcot Neuropathy
 - 3.9.1. Charcot Neuropathy
 - 3.9.2. Indications/Contraindications
 - 3.9.3. Preoperative Planning
 - 3.9.4. Surgical Technique
 - 3.9.5. Complications
- 3.10. Treatment of Sequelae
 - 3.10.1. Acute Infection
 - 3.10.2. Chronic Infection
 - 3.10.3. Skin Defects
 - 3.10.4. Pseudarthrosis



An educational option that will bring you up to date with the perfection of the surgical technique in Lapidus arthrodesis and tarsometatarsal joint"

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, 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.





“

Discover Relearning, 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

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will 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 power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

“

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 achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate 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.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This 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, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving 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 Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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.

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

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



This program offers the best educational material, prepared with professionals 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.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

The TECH team presents 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 and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in 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 Diploma in Complex Foot Deformities and Corrections guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



“

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

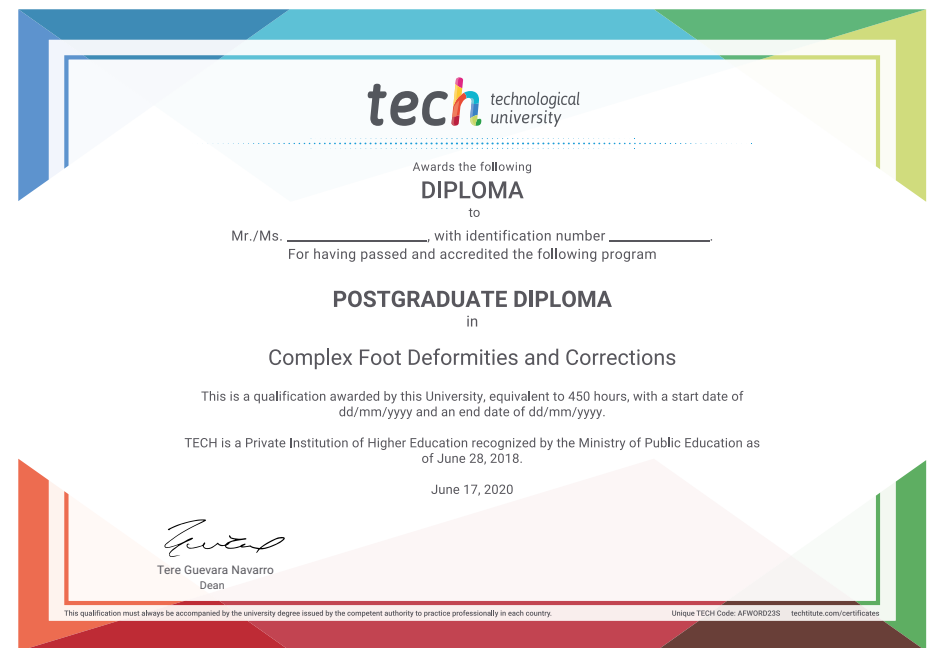
This **Postgraduate Diploma in Complex Foot Deformities and Corrections** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Diploma in Complex Foot Deformities and Corrections**

Official N° of hours: **450 h.**



*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.

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

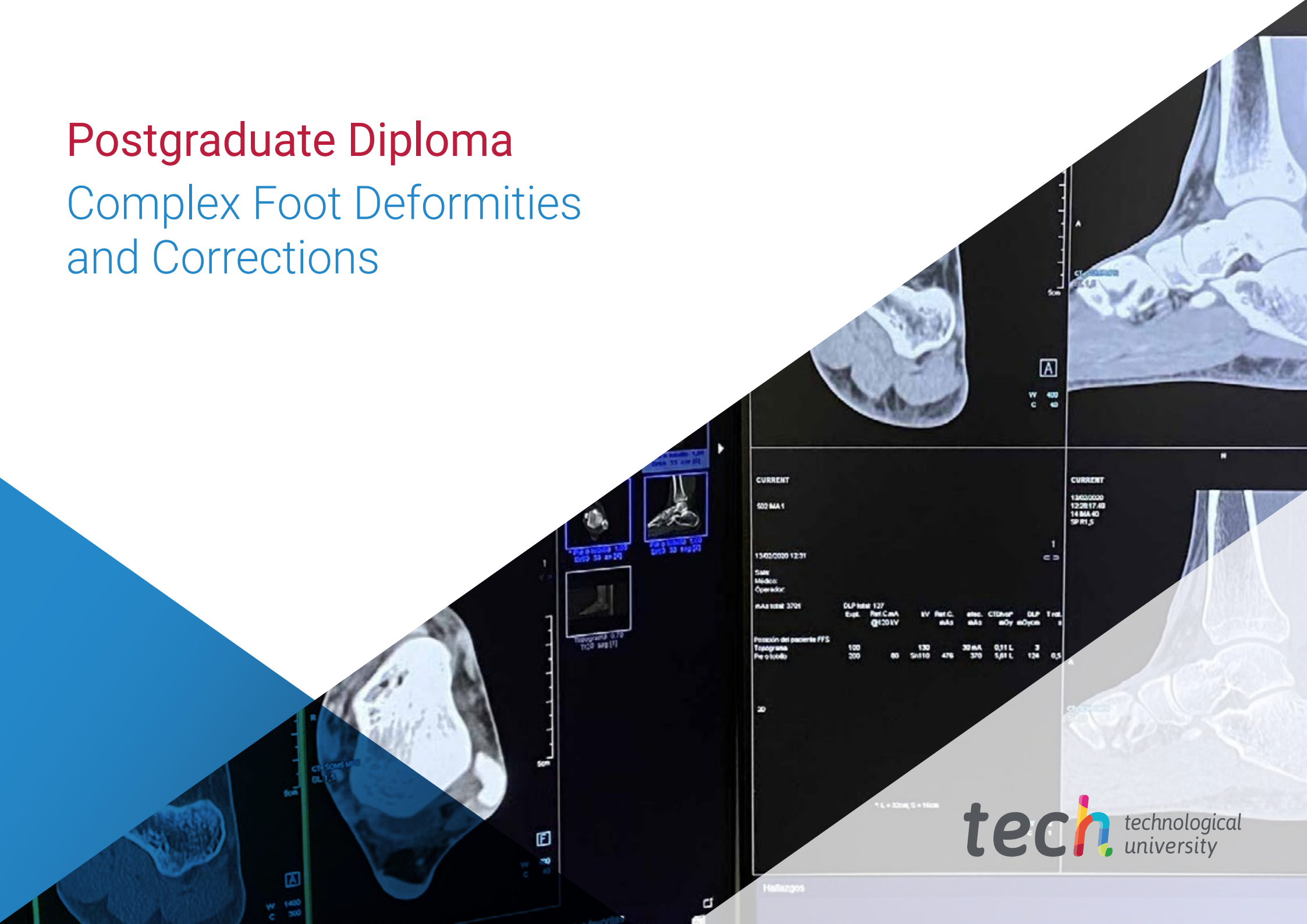


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- » Modality: online
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Postgraduate Diploma

Complex Foot Deformities and Corrections



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State:
Módulo:
Operador:

mAs total 3701

	DLP total 127							
	Exp.	Ref. C.mA	IV	Ref. C.	elec.	CTDIvol*	DLP	T. ref.
		@120 kV	mAs	mAs	mAs	mGy	mGycm	s
Posición del paciente FFS	100	130	38 mA	0,11 L	3			
Topograma	300	80	Sn110	478	370	5,81 L	124	0,5
Pre o fondo								

*L = 32cm, S = 16cm