



Postgraduate Diploma

Surgical Grafting in Foot and Ankle

- » 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-surgical-grafting-foot-ankle

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An exhaustive assessment of the different injury mechanisms, the initial or deferred approach and the control of associated injuries are key to guarantee the greatest success in surgeries performed on foot and ankle fractures. Likewise, new instrumental techniques or materials, as well as up-to-date knowledge on the part of medical professionals, have a significant influence on this optimal result.

The same is true for those surgeons who have seen in recent years how the results of the interventions focused on reconstruction have been considerably improved, modifying considerably the protocols, treatment and results of the interventions. In this process of change and innovation, the surgeon must be in constant updating of their knowledge and up to date of the Surgical Graft in Foot and Ankle. That is why TECH has designed this Postgraduate Diploma that provides, in 6 months, the most recent and innovative content in this field.

To do this, it has gathered a teaching team made up of surgeons and traumatologists with extensive experience in the health field and well-versed in the approach to the patient who has suffered different types of injuries in the lower limb of the human body.

In this way, the professional who takes this qualification will have access to a syllabus with a theoretical-practical approach, which will lead them to delve into the most recent techniques used to treat pathologies as frequent as flat feet and pes cavus, primary and post-traumatic osteoarthritis. In addition, the multimedia teaching material will allow you to delve in a much more dynamic way in the treatment of osteomyelitis and skin defects in the foot and ankle.

A 100% online Postgraduate Diploma that provides the student with the ease of being able to study it comfortably, wherever and whenever they want. All you need is a computer, cell phone or tablet with internet access to access the content hosted on the virtual platform. In addition, this academic institution offers the possibility of distributing the teaching load according to the students' needs. An ideal option for those seeking to reconcile their work and/or personal responsibilities with a modality in line with current educational times.

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

- 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



Perfectly balance your professional responsibilities with a cutting-edge university program"



A university qualification that will delve into the latest developments in preoperative planning and postoperative treatment in foot and ankle fracture surgery"

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 throughout the Postgraduate Diploma. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

You have access to a library of multimedia resources 24 hours a day, 7 days a week.

An educational option that will lead you to enhance your skills to determine the surgical indications and their decision algorithm, according to the patient's injury.







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General Objectives

- Establish the causes of pathologies for a better understanding of foot and ankle disorders
- Determine the origin of congenital injuries, as well as the analysis of foot, gait and footprint, static and dynamic for the prognosis of injuries or alterations
- Demonstrate the different alternatives of comprehensive assessment of the foot and ankle, with new tools for analysis and management of foot problems
- Analyze the factors that predispose the athlete to suffer injuries
- Develop key concepts of microsurgery, soft tissue grafting and osteomyelitis



Access a university program that will lead you to delve into the different technical options to select the most appropriate graft depending on the skin defect at the level of the foot or ankle"





Module 1. Foot and Ankle Fractures

- Expose the ideal methods for the assessment of fractures with emphasis on anatomy and biomechanics that allow a appropriate management of such injuries
- Establish a physical assessment algorithm to determine the type of injury presented by the patient with fractures around the foot and ankle
- Mention radiological or paraclinical studies useful in the diagnosis of fractures and ruling out associated injuries
- List alternatives of osteosynthesis material for each fracture and associated injuries
- Minimize complications and recovery time after patient's surgeries
- Propose alternative treatments in the case of patients with various consolidation disorders in foot and ankle surgery

Module 2. Hindfoot Pathology

- Develop european and leading society guidelines and update literature and articles of interest
- Specify the surgical indications and their decision algorithm
- Establish contraindications as well as special situations

Module 3. Reconstruction of Cutaneous Defects of the Foot and Ankle Osteomyelitis of Bones of the Foot and Ankle

- Understand the pathophysiology of osteomyelitis
- Examine the anatomy of the leg, ankle, and foot area to develop anatomical guides
- Determine high and low complexity techniques to provide a range of options
- Select the appropriate graft or flap based on the type of defect present
- * List criteria for selection of ideal patients for each surgical technique
- Mention frequent complications and how to avoid them
- Detail indispensable principles for the realization of a graft or flap in the coverage of skin defects at the level of the foot and ankle





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Management



Dr. Pacheco Gutiérrez, Victor Alexander

- Specialist in Orthopedics and Sports Medicine, Dr. Sulaiman Al Habib Hospital
- Medical Advisor, Venezuelan Cycling Federatic
- 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. Mauro Reyes, José Francisco

- Specialist in Traumatology at the Julios Dopefner Hospital
- Specialist in Traumatology and Orthopedics at the University Military Hospital Carlos Arvel
- Graduated in Medicine and Surgery at the University of Carabobo
- Specialist in traumatology and orthopedics at the Military University Hospital Dr. Carlos Arvelo
- Fellowship in Reconstructive Foot and Ankle Surgery at the Foot and Ankle Surgery Unit of the Caracas Clinicas Hospital

Dr. Belandria Araque, Urimare

- Specialist in Foot and Ankle Surgery in the Traumatology and Orthopedic Surgery Unit of the Ana Francisca Pérez de León Hospital 2
- Specialist in Foot and Ankle Surgery, Traumatology and Orthopedic Surgery at Biomedical Forteza
- Specialist in Traumatology and Orthopedics at the Clinic Corazón y Vaso
- Graduated in Medicine and Surgery at the University of Los Andes
- Fellowship in Foot and Ankle Surgery at Caracas Clínicas Hospital
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- Specialist Physician at the Traumatology and Orthopedics Service of the Angel Larralde University Hospital
- * General Physician at the Coca-Cola FEMSA Medical Service
- Medical Specialist in Traumatology and Orthopedics at Hospital Molina Sierra IVSS
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- * Specialist in Traumatology and Orthopedics at the University Hospital Dr. Angel Larralde
- Master's Degree in Hand Surgery at the University of Barcelona

Dr. Díaz Figueroa, Omar

- Specialist in Reconstruction of Complex Extremity Injuries at the Central Hospital of Valencia
- Specialist in Hand Surgery and Reconstructive Microsurgery at Guerra Mendez Medical Center
- Graduated in Medicine and Surgery at the University of Carabobo
- * Specialist in Traumatology and Orthopedics at the University Hospital Dr. Angel Larralde
- Sub-specialist in Hand Surgery and Reconstructive Microsurgery at The Campbell Clinic - Hand Surgery and Reconstructive, in Memphis, USA

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 Surgeon and Traumatology at the Mataró Hospital

Dr. López Guevara, Daniel

- Medical Sonographer and specialist in Traumatology and Orthopedics in SAMAM Clinic
- Medical specialist in Traumatology and Orthopedic Surgery in various clinical centers in the city of Valencia
- Medical specialist from Traumatology and Orthopedics in the Upper Limb and Reconstructive Microsurgery Unit of the Hospital City Dr. Enrique Tejera
- Graduated in Medicine and Surgery at the University of Carabobo, Venezuela
- Specialist in Traumatology and Orthopedics at the Dr. Enrique Tejera Hospital City





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Module 1. Foot and Ankle Fractures

- 1.1. Posterior Malleolar Fractures
 - 1.1.1. Anatomy
 - 1.1.2. Literature Review
 - 1.1.3. Indications
 - 1.1.4. Contraindications
 - 1.1.5. Preoperative Planning
 - 1.1.6. Approach
 - 1.1.7. Surgical Technique
 - 1.1.8. Complications
 - 1.1.9. Postoperative Treatment
- 1.2. Complex Malleolar Fractures
 - 1.2.1. Anatomy
 - 1.2.2. Literature Review
 - 123 Indications
 - 1.2.4. Contraindications
 - 1.2.5. Preoperative Planning
 - 1.2.6. Approach
 - 1.2.7. Surgical Technique
 - 1.2.8. Complications
 - 1.2.9. Post-Operative Treatment
- 1.3. Acute and Chronic Syndesmosis Injuries
 - 1.3.1. Anatomy
 - 1.3.2. Literature Review
 - 1.3.3. Indications
 - 1.3.4. Contraindications
 - 1.3.5. Preoperative Planning
 - 1.3.6. Approach
 - 1.3.7. Surgical Technique
 - 1.3.8. Complications
 - 1.3.9. Postoperative Treatment

- 1.4. Tibial Pylon Fracture
 - 1.4.1. Anatomy
 - 1.4.2. Literature Review
 - 1.4.3. Indications
 - 1.4.4. Contraindications
 - 1.4.5. Preoperative Planning
 - 1.4.6. Approach
 - 1.4.7. Surgical Technique
 - 1.4.8. Complications
 - 1.4.9. Postoperative Treatment
- 1.5. Fractures of the Neck and Body of the Talus
 - 1.5.1. Anatomy
 - 1.5.2. Literature Review
 - 1.5.3. Indications
 - 1.5.4. Contraindications
 - 1.5.5. Preoperative Planning
 - 1.5.6. Approach
 - 1.5.7. Surgical Technique
 - 1.5.8. Complications
 - 1.5.9. Post-Operative Treatment
- 1.6. Fractures of the Forefoot and of the Diaphysis and Distal Segment of the Fifth Metatarsal
 - 1.6.1. Anatomy
 - 1.6.2. Literature Review
 - 1.6.3. Indications
 - 1.6.4. Contraindications
 - 1.6.5. Preoperative Planning
 - 1.6.6. Approach
 - 1.6.7. Surgical Technique
 - 1.6.8. Complications
 - 1.6.9. Postoperative Treatment

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1.7. Calcaneal Fractures

- 1.7.1. Anatomy
- 1.7.2. Literature Review
- 1.7.3. Indications
- 1.7.4. Contraindications
- 1.7.5. Preoperative Planning
- 1.7.6. Approach
- 1.7.7. Surgical Technique
- 1.7.8. Complications
- 1.7.9. Postoperative Treatment

1.8. Scaphoid Fractures

- 1.8.1. Anatomy
- 1.8.2. Literature Review.
- 1.8.3. Indications
- 1.8.4. Contraindications
- 1.8.5. Preoperative Planning
- 1.8.6. Approach
- 1.8.7. Surgical Technique
- 1.8.8. Complications
- 1.8.9. Post-Operative Treatment

1.9. Lisfranc Fractures

- 1.9.1. Anatomy
- 1.9.2. Literature Review
- 1.9.3. Indications
- 1.9.4. Contraindications
- 1.9.5. Preoperative Planning
- 1.9.6. Approach
- 1.9.7. Surgical Technique
- 1.9.8. Complications
- 1.9.9. Postoperative Treatment

1.10. Vicious Consolidation of Fractures of the Foot and Ankle

- 1.10.1. Anatomy
- 1.10.2. Literature Review
- 1.10.3. Indications
- 1.10.4. Contraindications
- 1.10.5. Preoperative Planning
- 1.10.6. Approach
- 1.10.7. Surgical Technique
- 1.10.8. Complications
- 1.10.9. Postoperative Treatment

Module 2. Hindfoot Pathology

2.1. Posterior Tibial Insufficiency

- 2.1.1. Anatomy
- 2.1.2. Indications/Contraindications
- 2.1.3. Surgical Technique
- 2.1.4. Postoperative

2.2. Peroneal Tendon Injuries

- 2.2.1. Anatomy
- 2.2.2. Approach Route
- 2.2.3. Surgical Technique
- 2.2.4. Rescue Techniques

2.3. Achilles Injuries

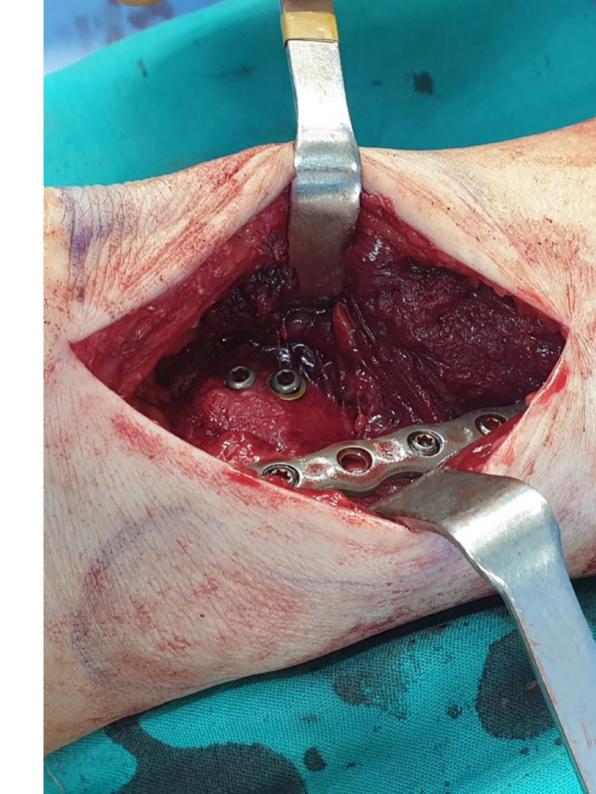
- 2.3.1. Anatomy
- 2.3.2. Surgical Technique
- 2.3.3. Rescue Techniques

2.4. Plantar Fasciitis

- 2.4.1. Anatomy
- 2.4.2. Surgical Technique
- 2.4.3. Rescue Techniques

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- 2.5. Pes Cavus
 - 2.5.1. Anatomy
 - 2.5.2. Surgical Technique
 - 2.5.3. Post-Operative
- 2.6. Subtalar Arthrodesis
 - 2.6.1. Indications/Contraindications
 - 2.6.2. Surgical Technique
 - 2.6.3. Postoperative
- 2.7. Triple Arthrodesis
 - 2.7.1. Anatomy
 - 2.7.2. Boarding Routes
 - 2.7.3. Surgical Technique
 - 2.7.4. Rescue Techniques
- 2.8. Posterior Tibial Nerve Compression
 - 2.8.1. Anatomy
 - 2.8.2. Surgical Technique
 - 2.8.3. Postoperative
 - 2.8.4. Treatment of Sequelae
- 2.9. Osteochondral Injury of Talus
 - 2.9.1. Anatomy
 - 2.9.2. Boarding Routes
 - 2.9.3. Surgical Technique
 - 2.9.4. Post-Operative
 - 2.9.5. Complications
- 2.10. Treatment of Sequelae
 - 2.10.1. Acute Chronic Infection
 - 2.10.2. Role of Arthroscopy in Sequelae
 - 2.10.3. Pseudarthrosis
 - 2.10.4. Rescue with External Fixator



Module 3. Reconstruction of Cutaneous Defects of the Foot and Ankle Osteomyelitis of Bones of the Foot and Ankle

- 3.1. Anatomy of the Foot and Ankle Applied to the Reconstruction of Skin and Bone Defects
 - 3.1.1. Functional Anatomy
 - 3.1.2. Anatomical Guide to Soft Tissue Reconstruction
 - 3.1.3. Anatomical Guide for Bone Tissue Reconstruction
- 3.2. General Principles of Soft Tissue Reconstruction
 - 3.2.1. Surgical Equipment
 - 3.2.2. Patient Assessment and Decision-Making
 - 3.2.3. Preparation and Initial Management of Skin Defects of the Foot and Ankle
- 3.3. Soft Tissue Reconstruction with Low Complexity Procedures
 - 3.3.1. Negative Pressure Therapy
 - 3.3.2. Acellular Dermal Matrix
 - 3.3.3. Skin Grafts
- 3.4. Soft Tissue Reconstruction with Pedicled Regional Flaps
 - 3.4.1. Indications
 - 3.4.2. Preoperative Planning and Most Commonly Used Flaps
 - 3.4.3. Complications
- 3.5. Soft Tissue Reconstruction with Microsurgical Techniques
 - 3.5.1. Indications
 - 3.5.2. Preoperative Planning and Most Commonly Used Free Flaps
 - 3.5.3. Complications
- 3.6. Reverse Sural Flap
 - 3.6.1. Anatomy
 - 3.6.2. Flap Design
 - 3.6.3. Surgical Dissection Technique

- 3.7. Supramalleolar Flap
 - 3.7.1. Anatomy
 - 3.7.2. Flap Design
 - 3.7.3. Surgical Dissection Technique
- 3.8. Anterolateral Thigh Flap
 - 3.8.1. Anatomy
 - 3.8.2. Flap Design
 - 3.8.3. Surgical Dissection Technique
- 3.9. Antebrachial Radial Artery Flap
 - 3.9.1. Anatomy
 - 3.9.2. Flap Design
 - 3.9.3. Dissection Technique
- 3.10. Osteomyelitis of Bones of the Foot and Ankle
 - 3.10.1. Osteomyelitis
 - 3.10.2. Management of Bone Defects Secondary to Osteomyelitis
 - 3.10.3. Role of Soft Tissue Reconstruction in the Management of Foot and Ankle Infections



A program designed to offer you the most advanced and up-to-date knowledge on the treatment of hindfoot pathologies such as plantar fasciitis or certain severe foot deformities"





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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:

- 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.



Methodology | 27 tech

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.

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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.









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This **Postgraduate Diploma in Surgical Grafting in Foot and Ankle** 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 Surgical Grafting in Foot and Ankle** 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.

technological university

Postgraduate Diploma Surgical Grafting in Foot and Ankle

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

