

Postgraduate Certificate

Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals





Postgraduate Certificate Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/forefoot-surgery-pathologies-triphalangeal-toes-metatarsals

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01

Introduction

The emergence of new surgical techniques and the improvement of existing ones has led to a significant improvement in the results of interventions in patients with forefoot pathologies. However, there are still complications and some uncertainty in some of the treatments performed, which leads specialists to keep up to date with the latest developments in the approach to metatarsalgia, triphalangeal toe problems and metatarsal bone problems. In response to the need to update knowledge in this area, this 100% online program was created, which offers the latest information and scientific evidence of advances in diagnosis and surgery used in the forefoot. All this, also through a quality multimedia content that can be accessed 24 hours a day, from any electronic device with an Internet connection.





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A 100% online Postgraduate Certificate, with advanced and quality content, which will lead you to know the advances in Forefoot Surgery"

The overall results of surgical interventions for the treatment of pathologies of the triphalangeal toes and metatarsals have improved considerably in recent years, thanks to the improvement and innovation in their techniques. Likewise, the search for innovation continues in order to solve the most frequent complications and to reduce recovery times so that patients are able to carry on with their daily lives as normal.

In this scenario, the medical professional must keep abreast of scientific studies and innovations in both diagnostic methods and the approach to the most common forefoot problems. Therefore, in view of the growing interest in this specialization, TECH has developed this Postgraduate Certificate, which offers in only 6 weeks, an update of knowledge on Forefoot Surgery.

A program taught exclusively online, which will lead the professional to delve into metatarsalgia and triphalangeal toe problems are the most common problems in the pathology of the foot and ankle, metatarsalgia, alteration of the metatarsophalangeal joint complex and the problems of triphalangeal claw toe and hammertoe.

Likewise, the content of this program offers a theoretical-practical vision that will allow you to be up to date on the affectations in the fifth radius, the innovations in the assessment of the patient and the different treatment options that currently exist.

The professional is therefore faced with an excellent opportunity to study a university program, which offers quality multimedia resources that can be accessed comfortably whenever and wherever they wish. All that is required is a computer, tablet or cell phone with an internet connection to be able to view the content hosted on the virtual platform at any time. This flexibility is ideal for those who want to balance their personal responsibilities with a Postgraduate Certificate.

This **Postgraduate Certificate in Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals** 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 self-assessment can be used 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



You only need a computer with an Internet connection to access the entire syllabus of this university program"

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You will get an update of your knowledge about conservative or surgical treatment options according to the pathology present in the forefoot"

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.

The design of this program focuses on problem-based learning, through which the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Delve in this program on the most current treatments to address metatarsalgia and the controversies that exist among the medical community.

TECH applies the Relearning method in its programs. With it you will reduce the hours of study and memorization.



02 Objectives

In recent years, not only orthopedic materials have improved, but also the different surgical alternatives to solve problems in the forefoot. That is why this Postgraduate Certificate was developed to provide the professional with the most relevant and recent information in this area, in order to obtain the most complete update on Forefoot Surgery, as well as the pathologies of the triphalangeal toes and metatarsals. For this purpose, the specialist has innovative multimedia teaching resources available 24 hours a day through the Virtual Campus.



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You will be up to date on the different complementary tests and previous studies performed on patients with metatarsal pathologies”

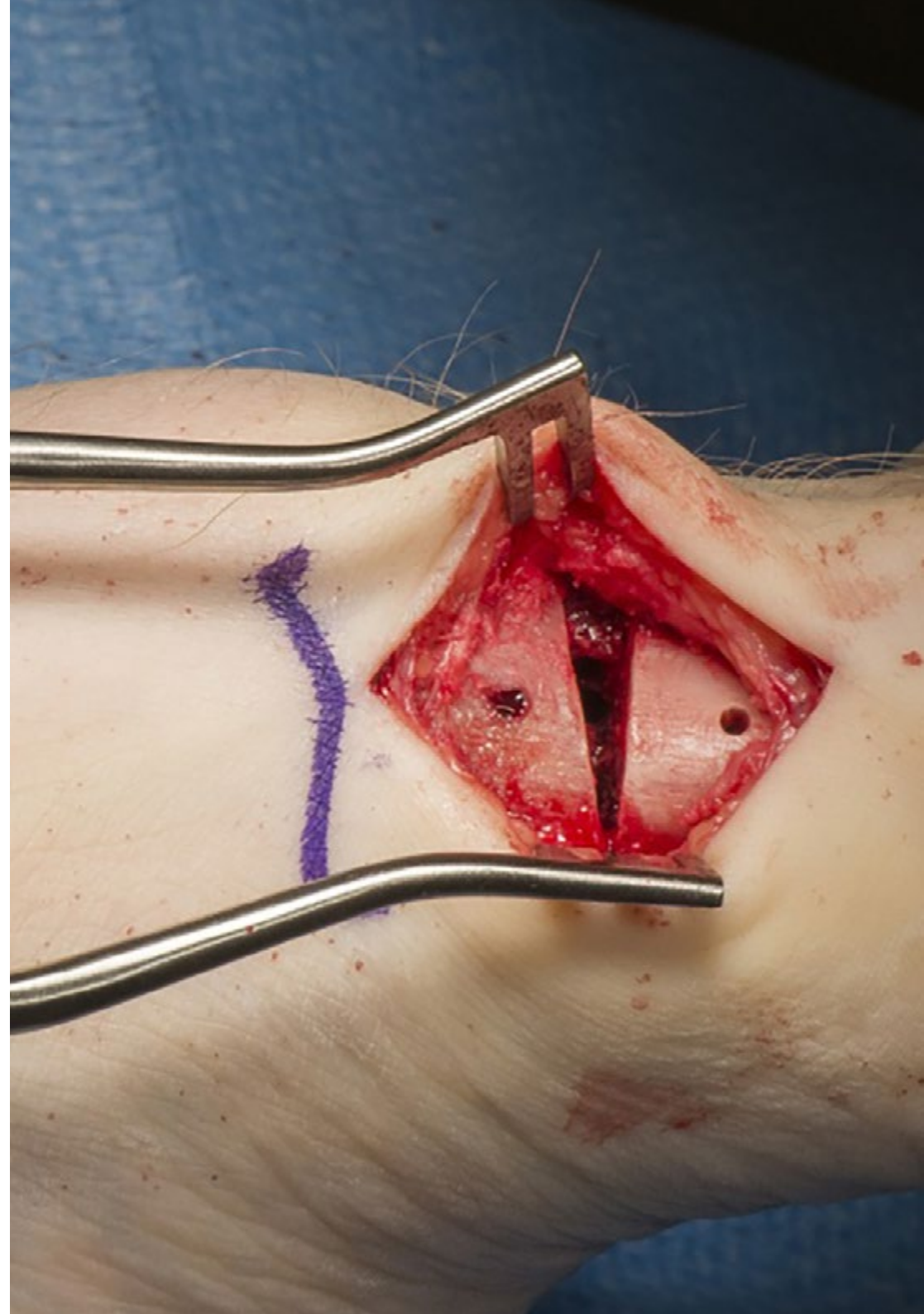


General Objectives

- ◆ Comprehensive approach to the pathology affecting the forefoot at the metatarsal level and triphalangeal toes
- ◆ Assess the physical examination and the aspects to be taken into account in triphalangeal toe problems
- ◆ Determine the best complementary tests and possible pre-treatment studies
- ◆ Develop treatment algorithms and description of current surgical techniques to solve the problems of metatarsalgia and triphalangeal toes



The case studies will give you a closer look at the techniques used to resolve the most common complications in patients with fifth radius problems"





Specific Objectives

- ◆ 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
- ◆ Determine the ideal conservative or surgical treatment options and know how to establish a therapeutic algorithm
- ◆ Determine the specific and ideal surgical techniques for each problem affecting metatarsalgia, triphalangeal toes and fifth toe problems, the pros and cons of each surgical option
- ◆ Gain knowledge about the most frequent complications and how to avoid them

03

Course Management

The excellent professional trajectory of the traumatologist and orthopedist professionals have been key in TECH's choice for the development of this program. A team of specialists versed in the care of patients with forefoot pathologies, whose experience will also be reflected in the syllabus of this Postgraduate Certificate. All this is a guarantee for the professional who attends this program and seeks to be up to date in this field through a quality and up-to-date qualification.



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A team of professional traumatologists and orthopedists make up this qualification and will answer any questions you may have about the content of the program”

International Guest Director

Awarded by the American Orthopedic Foot and Ankle Society for his innovative clinical treatments, Dr. John Kwon is a renowned surgeon highly specialized in the approach to traumatic injuries of the lower limbs. In this line, he has carried out his work in health institutions of international reference, including the Massachusetts General Hospital or the Mercy Medical Center in Baltimore.

In this way, he has contributed to the optimal recovery of numerous patients suffering from pathologies such as complex fractures in the tibioperoneoastotalar joint, cartilage disorders and even ligament ruptures due to sports accidents. It should be noted that he is an expert in the application of external fixation techniques, which has allowed him to offer users comprehensive and personalized treatments to optimize their quality of life significantly.

On the other hand, he has balanced this work with his facet as a researcher. In this regard, he has published scientific articles in specialized medical journals on subjects such as the most sophisticated surgical procedures for the correction of deformities such as bunions, therapeutic methods for the management of bone infections or application of ultrasound processes to guide a wide range of interventions ranging from plantar fasciitis to retrocalcaneal bursitis.

In his unwavering commitment to medical excellence, he participates as a speaker at multiple conferences on a global scale. As such, he shares with the global medical community both his findings and his extensive work experience. This has led to significant advances in the healthcare field, greatly increasing practitioners' knowledge of cutting-edge therapies to effectively treat foot and ankle problems. Thanks to this, professionals have improved their care for users, while at the same time optimizing their results considerably.



Dr. Know, Jhon

- Head of the Foot and Ankle Service at Massachusetts General Hospital, United States
- Orthopedic Foot and Ankle Surgeon at Mercy Medical Center of Baltimore
- Chief Clinical Officer at Israel Deaconess Medical Center of Boston
- Combined Orthopedic Residency at Massachusetts General Hospital, Brigham Hospital and Boston Children's Hospital
- Internship in Internal Medicine at McGaw Medical Center of Northwestern University
- B.S. in Medical Sciences from New York Medical College
- B.S. in Biology from Wesleyan University

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

Management



Dr. Pacheco Gutiérrez, Victor Alexander

- ◆ Surgeon Specialist in Orthopedics and Sports Medicine at the Dr. Sulaiman Al Habib Hospital in Dubai
- ◆ Medical advisor for baseball, boxing and cycling teams
- ◆ Specialty in Orthopedics and Traumatology
- ◆ Degree in Medicine
- ◆ Sports Medicine Fellowship in Sportsmed
- ◆ Member of the American Academy of Orthopedic Surgeons



04

Structure and Content

The syllabus of this Postgraduate Certificate has been designed with the main objective of offering the medical professional the latest advances in the diagnosis and treatment of forefoot pathologies. An update of knowledge that is much more effective thanks to the multimedia resources (video summaries, video in focus), specialized readings and clinical cases developed by the specialized teaching team, which teaches this program. In addition, the *Relearning* method, based on the reiteration of content, will allow the reduction of long hours of study.



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A syllabus that will show you the latest surgical techniques used in pathologies of the triphalangeal toes and metatarsals"

Module 1. Forefoot: Pathologies of Triphalangeal Toes and Metatarsals

- 1.1. Anatomy
 - 1.1.1. Topographic Anatomy
 - 1.1.2. Osteoarticular, Ligamentous and Muscular Anatomy
 - 1.1.3. Basic Biomechanics of Metatarsals and Triphalangeal Toes
- 1.2. Diagnostic Imaging
 - 1.2.1. Radiographic Anatomy
 - 1.2.2. Value of CT in the Pathologies of Metatarsals and Triphalangeal Toes
 - 1.2.3. Value of Magnetic Resonance Imaging in the Pathology of Metatarsals and Triphalangeal Toes
- 1.3. Problems Associated with Metatarsalgia and Triphalangeal Toes
 - 1.3.1. Concepts on the Associated Problems of Metatarsalgia and Triphalangeal Toes
 - 1.3.2. Types of Metatarsalgia and Metatarsophalangeal Joint Problems
 - 1.3.3. Problems Associated with Triphalangeal Toes
 - 1.3.4. Treatment Update on Metatarsalgia and Triphalangeal Toes
 - 1.3.5. Current Controversies
- 1.4. Indications to Problems Associated with Metatarsalgia and Triphalangeal Toes
 - 1.4.1. Assessment of Metatarsalgia and Metatarsophalangeal Joint Problems
 - 1.4.2. Assessment of Triphalangeal Toes
 - 1.4.3. Assessment of Fifth Radius or Toe Problems
 - 1.4.4. Treatment Update on Metatarsalgia and Metatarsophalangeal Joint Problems
 - 1.4.5. Current Controversies
- 1.5. Contraindications
 - 1.5.1. Absolute Contraindications
 - 1.5.2. Relative Contraindications
 - 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. Approach Routes
 - 1.7.1. Types of Approach for Metatarsal and Metatarsophalangeal Pathology
 - 1.7.2. Approach to Triphalangeal Toe Problems
 - 1.7.3. Approach to Problems of the Fifth Radius
 - 1.7.4. Minimally Invasive Approach in Metatarsalgia and Metatarsophalangeal Joint Problems
- 1.8. Surgical Technique
 - 1.8.1. Surgical Techniques for the Treatment of Metatarsalgia and the Metatarsophalangeal Joint
 - 1.8.2. Surgical Techniques for the Treatment of Triphalangeal Toes
 - 1.8.3. Surgical Techniques for the Treatment of Fifth Radius
- 1.9. Complications
 - 1.9.1. Common Problems in the Treatment of Metatarsalgia and the Metatarsophalangeal Joint
 - 1.9.2. Most Common Problems in the Treatment of Triphalangeal Toes
 - 1.9.3. Most Common Problems in the Treatment of the Fifth Radius Problem
 - 1.9.4. Surgical Rescue Techniques for Metatarsalgia and Triphalangeal Toe Problems
 - 1.9.5. Post-Surgical Infections and Treatment Options
 - 1.9.6. Other Complications
- 1.10. Post-Operative Care
 - 1.10.1. Post-Operative Guidelines for Metatarsalgia and Triphalangeal Toe Surgery
 - 1.10.2. Controls and Follow-up After Surgery for Metatarsalgia and Triphalangeal Toes
 - 1.10.3. Discharge Follow-Up



A program that outlines the comprehensive management of the patient with forefoot pathologies"

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.





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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.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only 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 Certificate in Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals** 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** title 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 Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech global
university

personalized service innovation

knowledge present

online treatment
Toes and Metatarsals

development languages

virtual classroom

Postgraduate Certificate

Forefoot Surgery:

Pathologies of Triphalangeal

Toes and Metatarsals

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Postgraduate Certificate

Forefoot Surgery: Pathologies of Triphalangeal Toes and Metatarsals

