



### Postgraduate Diploma

Procedures in Major **Outpatient Surgery** 

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 18 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-procedures-major-outpatient-surgery

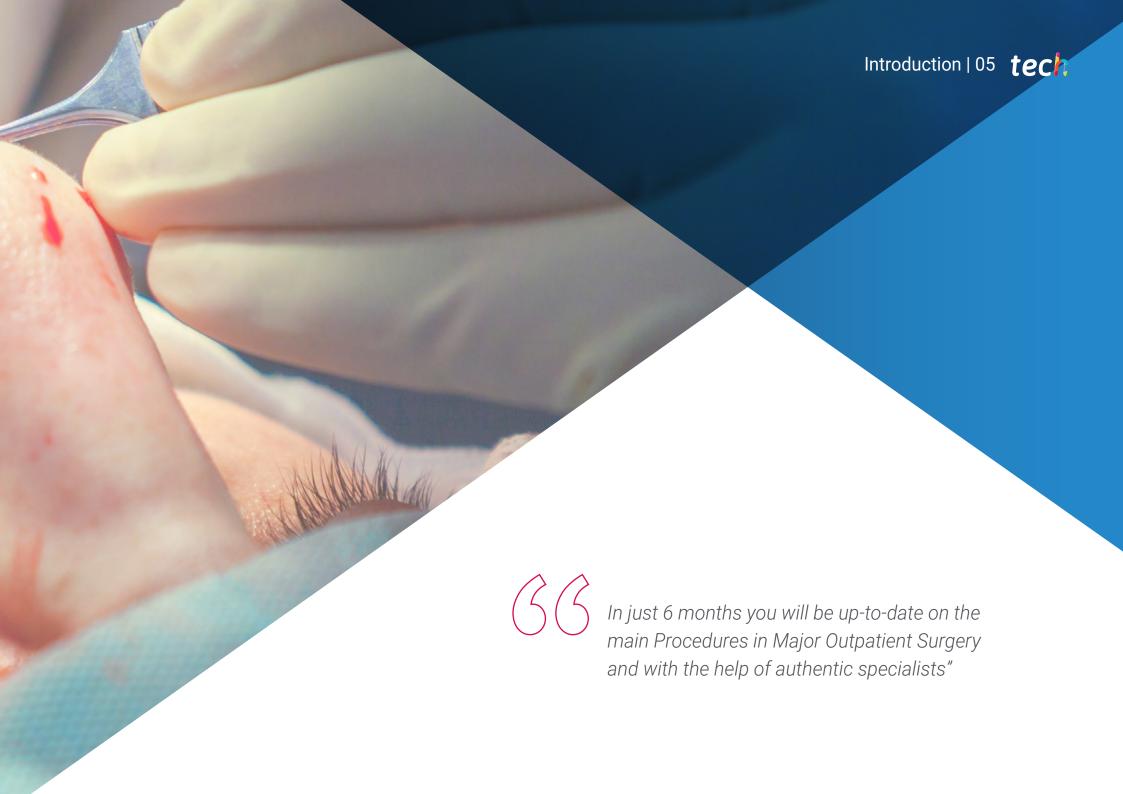
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### tech 06 | Introduction

The evolution of surgical treatments for numerous procedures performed in Major Outpatient Surgery, especially in Digestive, Breast and Endocrine pathologies, has led to an increase in the number of interventions in this healthcare model. For this reason, it is essential for medical professionals to be up-to-date with advances in surgical techniques, diagnostic devices and the most effective methodologies for dealing with the main complications.

In this line and with the aim of offering the maximum scientific rigor, TECH has designed this 100% online Postgraduate Diploma that favors the update of the Procedures in Major Outpatient Surgery from a first-class theoretical-practical perspective.

This is an advanced program, where the professional will delve into the risk factors of iatrogenic lesions of the biliary tract, the most effective surgical treatments for gastroesophageal reflux or the approach to the most frequent post-surgical complications such as hypoparathyroidism, upper laryngeal nerve injuries or asphyxial hematoma. For this purpose, it has numerous innovative teaching resources that can be accessed at any time of the day, from a digital device (cell phone, Tablet or computer) with an Internet connection.

In addition, the Relearning methodology, based on the continuous reiteration of the most important content throughout the academic course, will allow students to reduce the hours of memorization, focusing in a simpler way on the most relevant concepts.

Undoubtedly, a unique opportunity to update your knowledge with an excellent teaching staff that accumulates extensive experience in this health field. In addition, with no classroom attendance or fixed class schedules, this gives students greater freedom to self-manage their studies and make this program compatible with their daily professional and/or personal responsibilities.

This **Postgraduate Diploma in Procedures in Major Outpatient Surgery** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in General Surgery and Major Outpatient Surgery
- 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



If you have a cell phone with Internet connection you can access 24 hours a day to the extensive Virtual Library of this program"



Are you up-to-date with the latest methodology used to address superior laryngeal nerve injuries? Do it through this program"

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

Explore recurrence, stenosis or gastric migration to the thorax as failures of antireflux surgery.

Delve into the advances of thyroid ultrasound, vital for the identification of Thyroid Nodule.







### tech 10 | Objectives



### **General Objectives**

- Delve into the different pathologies approached in Major Outpatient Surgery
- Delve into the anatomy and physiology necessary to understand the main procedures in Major Outpatient Surgery
- Delve deeper into the main surgeries in Major Outpatient Surgery
- Improve knowledge on the need for antibiotic prophylaxis in Major Outpatient Surgery
- Provide the tools to know how to manage the thromboembolic approach in Major Outpatient Surgery



Thanks to the flexibility of this program, you will be able to delve into the semiology of the most prevalent breast pathology whenever you wish"







### **Specific Objectives**

#### Module 1. Digestive Surgery

- Delve into the most prevalent processes of General and Digestive System Surgery that can be managed in Major Outpatient Surgery
- Explore diseases of the gallbladder
- Master the technique of cholecystectomy and its complications
- Delve into the surgical medical management of gastroesophageal reflux disease

#### Module 2. Breast and Endocrine Surgery

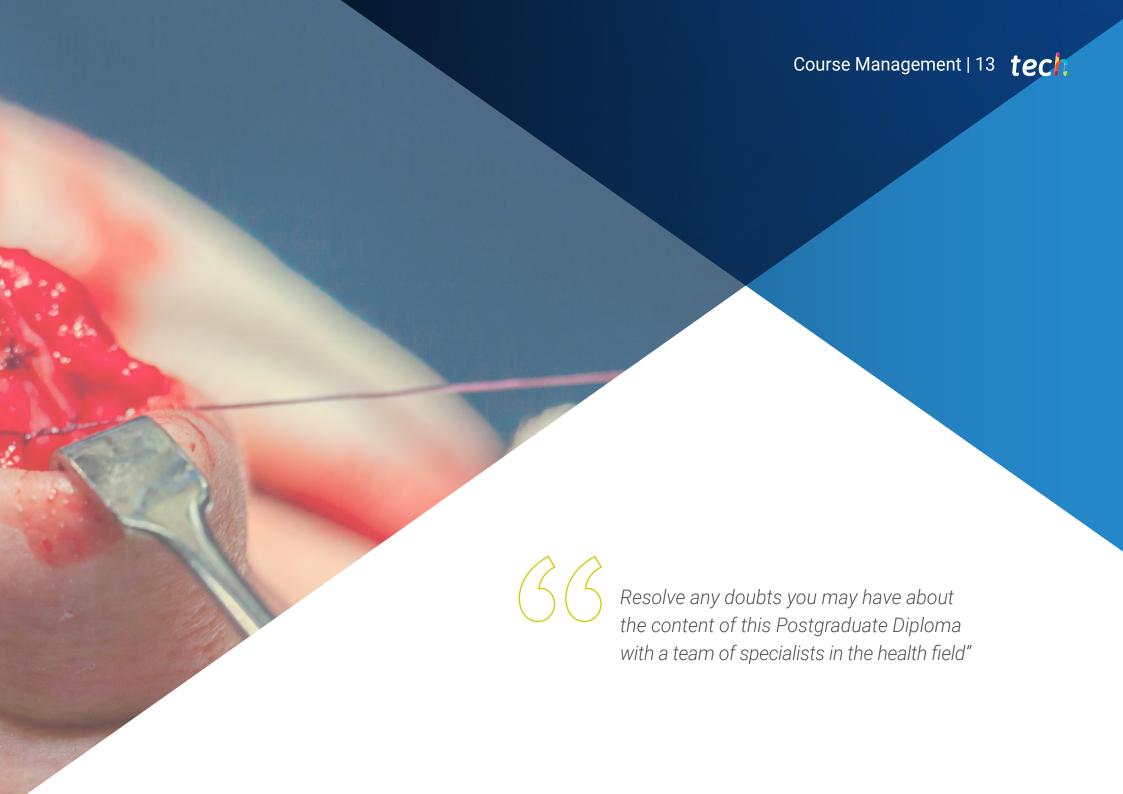
- Master the management of the thyroid nodule
- Delve into the surgical technique of thyroidectomy and its complications
- Recognize the semiology of the most prevalent breast pathology
- Differentiate those breast pathology processes subsidiary to Major Outpatient Surgery

#### Module 3. Other Procedures in Major Outpatient Surgery

- Reflect on the importance of antibiotic prophylaxis in Major Outpatient Surgery
- \* Reason the need for thromboembolic prophylaxis in Major Outpatient Surgery
- Delve into the main ophthalmology surgeries in Major Outpatient Surgery
- Delve into the main urological surgeries in Major Outpatient Surgery
- Describe the main surgeries in traumatology in Major Outpatient Surgery
- Outline the main maxillofacial surgery surgeries in Major Outpatient Surgery
- Explore the main plastic surgeries in Major Outpatient Surgery







### tech 14 | Course Management

#### Management



### Dr. Palacios Sanabria, Jesús Enrique

- Specialist of General Surgery at the Basic General Hospital of Baza-Granada
- General Surgeon in the Bariatric and Metabolic Surgery team at the Canabal Clinic
- General Surgeon at the IDB Clinic in Barquisimeto
- Professor in the Minor Surgery Course at the Andalusian Health Service
- Medical Surgeon by the 'Lisandro Alvarado' Central Western University
- Specialist in General Surgery at the 'Lisandro Alvarado' Central Western University
- Master's Degree in General Surgery and Digestive System Updating



### Course Management | 15 tech

#### **Professors**

#### Dr. Colombo Pérez, Ángel Daniel

- General Surgery Specialist at Dr. Antonio María Pineda Hospital
- Head of the Central Operating Room of the Antonio María Pineda University Hospital
- Head of the Department of Surgery at Dr. Daniel Camejo Acosta Hospital
- \* Associate Professor of Medicine at UCLA in Surgical Clinic I and II
- Professor of General Surgery Postgraduate Course at UCLA
- Medical Surgeon by the Lisandro Alvarado Midwestern University
- \* Medical Specialist in General Surgery at the Dr. Antonio María Pineda Central University Hospital
- Master's Degree in Higher University Teaching from UCLA

#### Dr. Morales Barrese, Maite Fabiola

- Family Physician in the Andalusian Health System
- Medical specialist in the General and Intra and Extrahospital Emergency Department
- Specialist in Advanced Aesthetics
- Family Physician specializing in Pediatrics
- Master's Degree in Aesthetic Facial and Body Medicine of the Institute of Aesthetics and Skin

#### Dr. Pérez Morales, Adolycar

- Dentist in the Smile Dental Clinic in Madrid
- Dentist at the Dental Prevent Clinic
- Dentistry Assistant at Dentalcorisa Clinic
- Dentist and manager of the Dental Clinic Nanetti Colmenares
- Dentist at the Center for Rehabilitation and Oral Aesthetics Odontomark
- Degree in Dentistry from the José Antonio Páez University
- Postgraduate Certificate in Oral Surgery and Teeth Whitening

### tech 16 | Course Management

#### Dr. Pérez Colmenares, Ámbar Milagros

- \* Anesthesiology Specialist at the Hospital Básico de Baza in Granada
- Attending Physician of the Anesthesiology Service at the Dr. Antonio María Pineda Central University Hospital
- Head of Anesthesiology at the Decentralized Service of the Dr. Daniel Camejo Acosta Medical and Hospital West Care Center
- Head of Postgraduate Residents of Anesthesiology at the Dr. Antonio María Pineda Central University Hospital
- Professor of the Postgraduate Course of Anesthesiology at UCLA, teaching subjects such as Anesthesia I, Anesthesia II, Anesthesia III and Biophysics applied to Anesthesia
- Degree in Medicine and Surgery, Medical Surgeon, Cum Laude, from Lisandro Alvarado Centralwestern University
- Diploma in Occupational Safety and Health at the Lisandro Alvarado Centralwestern University
- Resident of the Department of Pediatric Surgery at the "Dr. Jesús María Casal Ramos" Hospital
- \* Resident of Intensive Care Unit at Los Leones Surgical Unit
- Postgraduate Residency in Anesthesiology at the Dr. Antonio María Pineda University Central Hospital



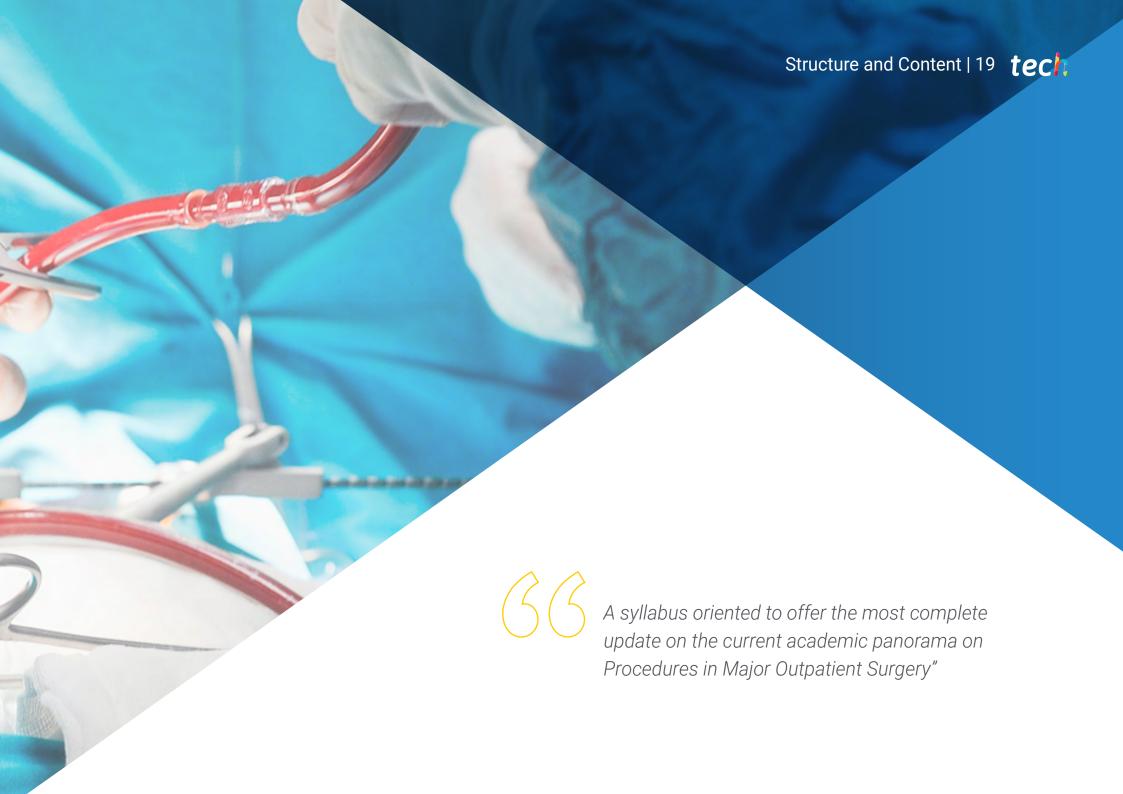


### Course Management | 17 tech

#### Ms. Canales González, María Isabel

- Specialist Nurse at the Basic General Hospital of Baza- Granada
- Nurse in different services and public hospitals in Andalusia
- Nurse in the Operating Room of the Basic General Hospital of Baza
- Degree in Nursing from the University of Cadiz
- Master's Degree in Nursing Care, Procedures and Techniques from the Catholic University of San Antonio
- Postgraduate Diploma in Nursing in Emergency and Urgent Care, Antonio de Nebrija University
- Nursing Expert in Pregnancy, Childbirth and Puerperium by the Antonio de Nebrija University
- Course in Minor and Ambulatory Surgery by the College of Nursing of Granada

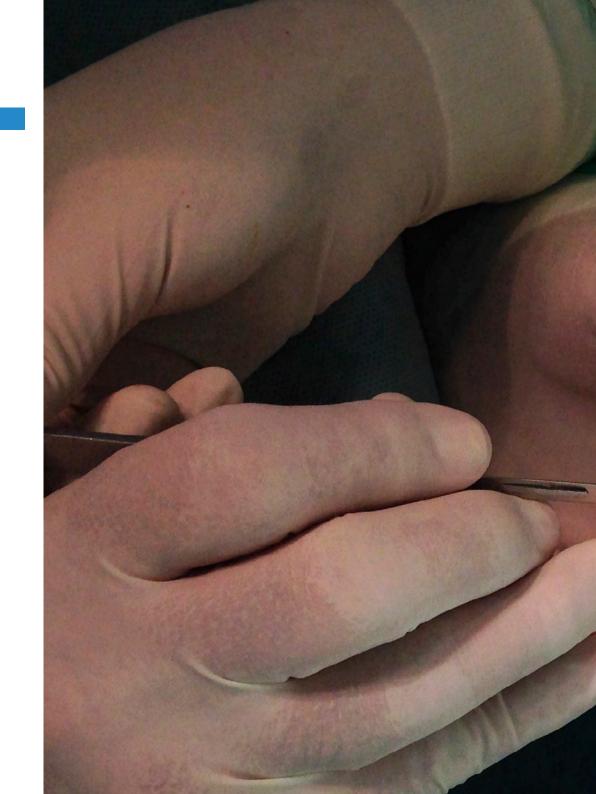




### tech 20 | Structure and Content

#### Module 1. Digestive Surgery

- 1.1. Biliary Tract Surgery
  - 1.1.1. Anatomy
  - 1.1.2. Physiology
  - 1.1.3. Cholelithiasis and its Complications
  - 1.1.4. Coledocolitiasis
- 1.2. latrogenic Lesions of the Biliary Tract
  - 1.2.1. Risk Factors
  - 1.2.2. Classification
  - 1.2.3. Treatment
  - 1.2.4. Morbidity
- 1.3. Interventional Radiology
  - 1.3.1. Introduction
  - 1.3.2. Percutaneous Transhepatic Cholangiography
  - 1.3.3. Cholecystostomy
  - 1.3.4. Percutaneous Biliary Drainage
- 1.4. Abscesses and Liver Cysts
  - 1.4.1. Introduction
  - 1.4.2. Simple Liver Cysts
  - 1.4.3. Acquired Liver Cysts
  - 1.4.4. Liver Abscesses
- 1.5. Gastroesophageal Reflux
  - 1.5.1. Pathogenesis
  - 1.5.2. Complications
  - 1.5.3. Conservative Treatment
  - 1.5.4. Surgical Management
- 1.6. Failures of Anti-reflux Surgery
  - 1.6.1. Relapse
  - 1.6.2. Stenosis
  - 1.6.3. Gastric Migration to the Thorax
  - 1.6.4. Redo Surgery





### Structure and Content | 21 tech

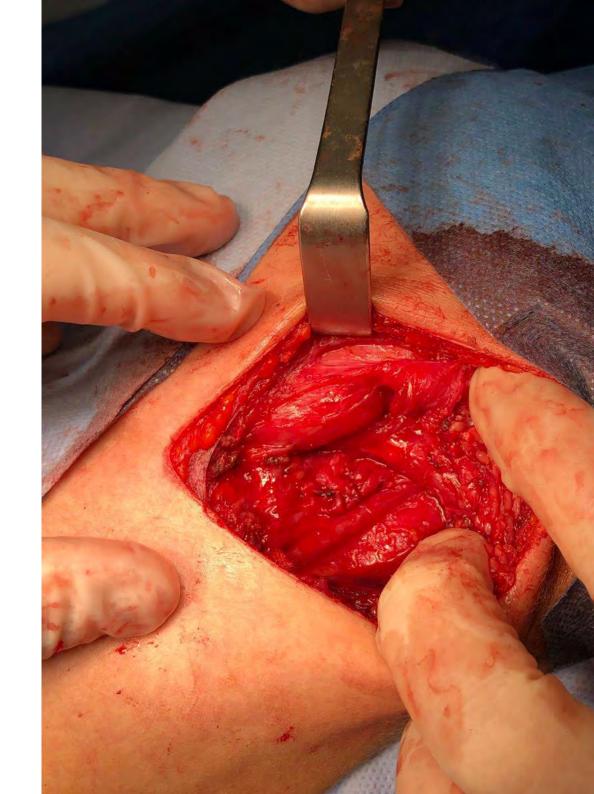
- 1.7. Motor Disorders of the Esophagus
  - 1.7.1. General Classification
  - 1.7.2. Oropharyngeal Dysphagia
  - 1.7.3. Primary Esophageal Disorders
  - 1.7.4. Secondary Esophageal Disorders
- 1.8. Esophageal Diverticula
  - 1.8.1. Introduction
  - 1.8.2. Zencker's Diverticula
  - 1.8.3. Thoracic Diverticula
  - 1.8.4. Epiphrenic Diverticula
- 1.9. Complementary Tests in Esophageal Pathology
  - 1.9.1. Radiological Studies
  - 1.9.2. Endoscopy
  - 1.9.3. Manometry
  - 1.9.4. Isotopic Studies
- 1.10. Digestive Surgery in the Elderly
  - 1.10.1. Introduction
  - 1.10.2. Preoperative Assessment of the Elderly Patient
  - 1.10.3. Specific Complications
  - 1.10.4. Conclusions

#### Module 2. Breast and Endocrine Surgery

- 2.1. Diagnostic Management of Thyroid Nodule
  - 2.1.1. Initial Assessment
  - 2.1.2. Thyroid Ultrasound
  - 2.1.3. Cytological Assessment
  - 2.1.4. Therapeutic Decision
- 2.2. Multinodular Goiter
  - 2.2.1. Definition of Multinodular Goiter
  - 2.2.2. Epidemiology
  - 2.2.3. Pathogenesis
  - 2.2.4. Diagnosis
  - 2.2.5. Indications for Surgery

### tech 22 | Structure and Content

- 2.3. Surgical Technique of Thyroidectomy
  - 2.3.1. Anatomy of the Thyroid Gland
  - 2.3.2. Common Gestures
  - 2.3.3. Post-Operative
  - 2.3.4. Thyroid Procedures
- 2.4. Post-surgery Complications
  - 2.4.1. Hypoparathyroidism
  - 2.4.2. Injury of the Superior Laryngeal Nerve
  - 2.4.3. Recurrent Paralysis
  - 2.4.4. Asphyxial Hematoma
- 2.5. Hyperparathyroidism
  - 2.5.1. Primary Hyperparathyroidism
  - 2.5.2. Secondary Hyperparathyroidism
  - 2.5.3. Tertiary Hyperparathyroidism
  - 2.5.4. MEN Syndrome
- 2.6. Thyroid and Parathyroid Outpatient Surgery
  - 2.6.1. Criteria for Patient Selection in Major Outpatient Surgery
  - 2.6.2. Anesthetic and Surgical Technique
  - 2.6.3. Postoperative Period and its Complications
  - 2.6.4. Criteria for Discharge
- 2.7. Palpable Breast Nodule
  - 2.7.1. Anatomy of the Breast
  - 2.7.2. Physiology
  - 2.7.3. Medical History
  - 2.7.4. Management of the Patient with Palpable Nodule
- 2.8. Non-palpable Breast Lesions
  - 2.8.1. Definition
  - 2.8.2. Classification
  - 2.8.3. Attitude to Follow
  - 2.8.4. Prognosis



### Structure and Content | 23 tech

- 2.9. Nipple Secretion
  - 2.9.1. Types of Secretion
  - 2.9.2. Frequency (F)
  - 2.9.3. Diagnosis
  - 2.9.4. Treatment
- 2.10. Breast Pathology in Major Outpatient Surgery
  - 2.10.1. Surgeon Training in Breast Pathology
  - 2.10.2. Criteria of Patients Exclusion
  - 2.10.3. Selection of Procedures in Breast Pathology
  - 2.10.4. Complications of Breast Surgery

#### Module 3. Other Procedures in Major Outpatient Surgery

- 3.1. Orthopedic Surgery and Traumatology in Major Outpatient Surgery
  - 3.1.1. Basic Concepts of Anatomy
  - 3.1.2. Histology of Bone
  - 3.1.3. Main Trauma Surgeries in Major Outpatient Surgery
  - 3.1.4. Surgical Complications
- 3.2. Superficial Venous Vascular Surgery in Major Outpatient Surgery
  - 3.2.1. Superficial Venous Vascular System
  - 3.2.2. Physiology of the Vascular System
  - 3.2.3. Main Surgeries of Vascular Surgery in Major Outpatient Surgery
  - 3.2.4. Surgical Complications
- 3.3. Urology in Major Outpatient Surgery
  - 3.3.1. Anatomy of the Urinary Tract
  - 3.3.2. Physiology of the Urinary Tract
  - 3.3.3. Main Urological Surgeries in Major Outpatient Surgery
  - 3.3.4. Surgical Complications
- 3.4. Maxillofacial Surgery in Major Outpatient Surgery
  - 3.4.1. Anatomy of the Oral Cavity
  - 3.4.2. Physiology of the Oral Cavity
  - 3.4.3. Main Maxillofacial Surgeries in Major Outpatient Surgery
  - 3.4.4. Surgical Complications

- 3.5. Plastic Surgery Procedures: Otoplasty
  - 3.5.1. Anatomy of the Ear Pinna
  - 3.5.2. Concept of Otoplasty
  - 3.5.3. Types of Otoplasty
  - 3.5.4. Surgical Complications
- 3.6. Plastic Surgery Procedures: Rhinoseptoplasty
  - 3.6.1. Anatomy of the Nasal Pyramid
  - 3.6.2. Concept of Rhinoseptoplasty
  - 3.6.3. Types of Rhinoseptoplasty
  - 3.6.4. Surgical Complications
- 3.7. Dermatology in Major Outpatient Surgery
  - 3.7.1. General Structure of the Skin
  - 3.7.2. Skin Appendages
  - 3.7.3. Main Surgeries in Dermatology in Major Outpatient Surgery
  - 3.7.4. Surgery Complications
- 3.8. Ophthalmology in Major Outpatient Surgery
  - 3.8.1. Structure of the Eyeball
  - 3.8.2. Concepts of Ocular Physiology
  - 3.8.3. Cataract Surgery
  - 3.8.4. Surgical Complications
- 3.9. Antibiotic Prophylaxis in Major Outpatient Surgery
  - 3.9.1. Concept of Antibiotic Prophylaxis
  - 3.9.2. Types of Surgery and Risk of Contamination
  - 3.9.3. Superficial and Deep Surgical Wound Infection
  - 3.9.4. Antibiotic Prophylaxis in the Procedures of Major Outpatient Surgery
- 3.10. Thromboembolic Prophylaxis in Major Outpatient Surgery
  - 3.10.1. Concept of Thromboembolic Prophylaxis
  - 3.10.2. Types of Prophylaxis
  - 3.10.3. Degrees of Recommendation
  - 3.10.4. Thromboembolic Prophylaxis in Major Outpatient Surgery Procedures





### tech 26 | Methodology

#### 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 | 29 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.

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.









### tech 34 | Certificate

This program will allow you to obtain your **Postgraduate Diploma in Procedures in Major Outpatient Surgery** 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 Diploma in Procedures in Major Outpatient Surgery

Modality: online

Duration: 6 months

Accreditation: 18 ECTS



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

#### Postgraduate Diploma in Procedures in Major Outpatient Surgery

This is a program of 450 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



<sup>\*</sup>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.

health confidence people information tutors education information teaching guarantee accreditation teaching institutions technology learning



## Postgraduate Diploma

Procedures in Major Outpatient Surgery

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- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

