

# Postgraduate Certificate Nasal Aesthetic Surgery





## Postgraduate Certificate Nasal Aesthetic Surgery

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

Website: [www.techtute.com/medicine/posgraduate-certificate/posgraduate-certificate-nasal-aesthetic-surgery](http://www.techtute.com/medicine/posgraduate-certificate/posgraduate-certificate-nasal-aesthetic-surgery)

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# 01

# Introduction

The aesthetic and functional improvement of the nose has always been one of the most demanded procedures in cosmetic surgery, since it is one of the most uncomfortable parts of the body for patients who do not have a harmonious and attractive face. Therefore, it is necessary for professionals in this field to acquire superior training in rhinoplasty, as it is a detail surgery where a mistake can lead to a complication that is more difficult to correct than to avoid. Train with us and become qualified for success in the application of these surgical procedures.



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*Nasal surgery is one of the most demanded surgeries worldwide, both for its aesthetic and functional component. Specialize with us and offer a plus of quality to your patients"*

The nose is a very important structure, since it is located in the center of the face, so it can be considered as the patient's calling card. In cosmetic surgery, the nose represents a challenge for the surgeon, because rhinoplasty should not admit mistakes, since their consequences would be very visible and frustrating for the patient.

In this sense, it is essential to have anatomical knowledge that serves as a basis to face any challenge or complication that may arise during planning or even during surgery. Therefore, the plastic surgeon must have the ability to visualize the nose three-dimensionally, taking into consideration that beauty goes hand in hand with good nasal function.

Surgical techniques must be applied individually. No technique will be the standard to be applied to all patients, since ethnic factors, facial dimensions and proportions must be taken into account, so the concept of facial harmony must be applied..

This course has an intense program designed to learn about the technologies, materials and treatments of this discipline and includes a complete perspective of aesthetic plastic surgery that will allow you to specialize in an ethical and responsible way. In this way, this postgraduate course provides high level training that seeks excellence. In addition, its 100% online format will allow you to continue your studies from the place of your choice, without the need to travel or schedule obligations.

This **Postgraduate Certificate in Nasal Aesthetic Surgery** includes the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ The Development of practical cases presented by experts in Nasal Aesthetic Surgery
- ♦ The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ Latest news about Nasal Aesthetic Surgery.
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning.
- ♦ Special emphasis on innovative methodologies in Nasal Aesthetic Surgery.
- ♦ 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.



*Expand your knowledge through this Postgraduate Certificate, thanks to which you will be able to achieve excellence in the field of body reshaping surgery"*

“

*This course is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Aesthetic Nasal Surgery, you will obtain a degree from Spanish online university: TECH”*

Its teaching staff includes professionals belonging to the field of aesthetic plastic surgery, who share their work experience in this training, as well as renowned specialists from prestigious societies and universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the Surgeon must try to solve the different professional practice situations that arise during the academic year. For this, the professional will have the help of an innovative interactive video system made by recognized experts in Nasal Aesthetic Surgery, and with great experience.

*Do not hesitate to take this training with us. You will find the best teaching material with virtual lessons.*

*This 100% online course will allow you to combine your studies with your professional work while increasing your knowledge in this field.*



# 02 Objectives

The Postgraduate Certificate in Nasal Aesthetic Surgery is designed to facilitate the performance of the professional with the latest advances and newest treatments in the sector, achieving a superior training that allows him to act with total security in the cases that arise in his practice.





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*At TECH we have set ourselves the goal of offering you the most complete training in nasal surgery in the market so that you can acquire a superior level of training that will elevate you to the professional elite"*



## General Objectives

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- ♦ Build specialized knowledge so that the surgeon can apply his knowledge in the different clinical cases presented to him.
- ♦ Provide the necessary tools and key points in order to facilitate the performance of rhinoplasty.





## Specific Objectives

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- Consolidate the anatomical knowledge of the nasal region.
- Enable the student to perform a complete analysis of the nose and relate it according to the variation of the anatomical characteristics of each patient, without forgetting that the concept of beauty is different not only between men and women but also according to the ethnic features of the subject to be treated.
- Address significant knowledge of photography in order to carry out a correct documentation of cases.
- Provide specialized training in the surgical techniques used in rhinoplasty, from the simplest to the most complex, including the most innovative techniques.
- Develop fundamental principles for the plastic surgeon to be able to perform cartilage grafting, avoiding complications as much as possible.
- Make the plastic surgeon aware that cosmetic rhinoplasty should not affect the functions of the nose.



*Learn about the new tools that can be applied in aesthetic plastic surgery and offer a plus of quality to your patients"*

03

# Course Management

This program includes in its teaching staff leading experts in aesthetic plastic surgery, who bring to this training the experience of their work. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.





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*The main experts in aesthetic plastic surgery  
have joined forces to show you all their  
Knowledge in this Field"*

## Management



### Dr. Delgado Caldera, Carlos

- Plastic and Aesthetic Surgeon specialized in Aesthetic Breast Surgery, Body, and Facial Aesthetic Procedures.
- Postgraduate in Aesthetic and Maxillofacial Reconstructive Plastic Surgery, General Hospital Dr. Jesus Yerena, Caracas (Venezuela) 2012-2014 Endorsed by the Ministry of People's Power for Health (MPPS) and the Venezuelan Society of Plastic, Reconstructive, Aesthetic, and Maxillofacial cirugía (SVCPREM)
- Internship, Centro Médico Docente La Trinidad, Caracas (Venezuela) 2013-2015 Internship in Breast, Body, and Facial Aesthetic cirugía. Microsurgical Reconstruction. Plastic and Reconstructive cirugía Service.
- Internship, University Foundation of Health Sciences (FUCS), Bogotá (Colombia) 2014. Intern in Craniofacial Surgery and Post Bariatric Surgery. Plastic and Reconstructive cirugía Service.
- Postgraduate of General Surgery, City Hospital Dr. Enrique Tejera, Valencia (Venezuela). 2010-2012. Endorsed by the Ministry of People's Power for Health (MPPS)
- Surgeon, Carabobo University. 2001-2006 School of Medicine
- Head of the Department of Plastic and Reconstructive Surgery, Instituto Docente de Urología (IDU) (Private Practice), Valencia (Venezuela). 2018-2020
- Aesthetic Plastic Surgeon, Servicios Mediplan C.A, Caracas - Margarita (Venezuela). 2015-2017
- Aesthetic Plastic Surgeon, Grupo Cil Venezuela 2015 2015– 2016

## Professors

### Dr. Sánchez Meza, Maribel

- ♦ Plastic, Reconstructive, Aesthetic, Aesthetic and Maxillofacial Surgeon
- ♦ Medical Surgeon Valencia-Edo. Carabobo. Carabobo University.U
- ♦ Postgrado Cirujano General. Central University of Venezuela. Miguel Pérez Carreño Hospital.
- ♦ , Aesthetic Plastic Surgeon, Maxillofacial and Reconstructive, and Maxillofacial Surgeon. Dr. Jesús Yerena Hospital.
- ♦ Aesthetic Plastic Surgeon, Maxillofacial and Reconstructive, and Maxillofacial Surgeon. Advanced Health Diagnostic Unit. Carrizal-Miranda. Since 2013
- ♦ Aesthetic Plastic Surgeon, Maxillofacial and Reconstructive, and Maxillofacial Surgeon. Silueta. Altos Mirandinos Polyclinic. Los Teques-Miranda. Since 2013
- ♦ Aesthetic Plastic Surgeon, Maxillofacial and Reconstructive, and Maxillofacial Surgeon. El Retiro Polyclinic. San Antonio de los Altos. Since 2013
- ♦ Aesthetic Plastic Surgeon, Maxillofacial and Reconstructive, and Maxillofacial Surgeon. Surplus Outpatient Center. Caracas-Distrito Capital. Since 2015
- ♦ Surgeon Medical Director. Advanced Health Diagnostic Unit Surgical. Carrizal-Miranda. Since 2017
- ♦ Aesthetic Plastic Surgeon, Maxillofacial and Reconstructive, and Maxillofacial Surgeon. Los Altos Medical Center. Carrizal-Miranda. Since 2019



04

# Structure and Content

The contents structure has been designed by the best professionals in the cosmetic surgery sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied and intervened, and with extensive mastery of new technologies applied to teaching.







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*This Specialist program contains the most complete and up-to-date scientific program on the market”*



## Module 1. Aesthetic Nasal Surgery

### 1.1. Nasal Anatomy and Physiology

- 1.1.1. Introduction
- 1.1.2. Skin and Subcutaneous.
- 1.1.3. Muscles and Bone Structures
- 1.1.4. Cartilaginous Structures
- 1.1.5. Nasal Valve
  - 1.1.5.1. Internal
  - 1.1.5.2. External
- 1.1.6. Nostrils.
- 1.1.7. Nasal Septum
- 1.1.8. Nasal Turbinates and Meatus
- 1.1.9. Irrigation
- 1.1.10. Innervation
- 1.1.11. Lymphatic Drainage
- 1.1.12. Nasal Physiology
- 1.1.13. Summary

### 1.2. Nasal Aesthetics. Profilometry. Surgical Planning. Photographic Documentation

- 1.2.1. Introduction
- 1.2.2. Aesthetic Units of the Nose
- 1.2.3. Facial Analysis
- 1.2.4. Anatomical Differences of the Nose According to Race
  - 1.2.4.1. Black
  - 1.2.4.2. Asian
  - 1.2.4.3. Latino
- 1.2.5. Anatomical Differences of the Nose According to Gender
  - 1.2.5.1. Male Features
  - 1.2.5.2. Female Features
- 1.2.6. Profilometry
  - 1.2.6.1. Facial Angles
- 1.2.7. Preoperative Evaluation

### 1.2.8. Photographic Documentation

- 1.2.8.1. Minimum Equipment Requirements for Medical Photography.
- 1.2.8.2. Lighting and Background
- 1.2.8.3. Projections

### 1.2.9. Summary

### 1.3. Primary Structural Rhinoplasty

- 1.1.1. Patient Preparation
- 1.1.2. Anesthesia and Surgical Position
- 1.1.3. Surgical Instruments
- 1.1.4. Surgical Defects:
  - 1.1.4.1. Open Rhinoplasty
  - 1.1.4.2. Closed Rhinoplasty
  - 1.1.4.3. Semi-open Rhinoplasty

### 1.1.5. Post-Operative Care

- 1.1.6. Complications
- 1.1.7. Summary

### 1.4. Cartilage Grafts and Septoplasty

- 1.4.1. Cartilaginous Grafts
  - 1.4.1.1. Graft Selection
  - 1.4.1.2. Graft Harvesting
  - 1.4.1.3. Cartilaginous Graft Carving
- 1.4.2. Septoplasty
  - 1.4.2.1. Definition
  - 1.4.2.2. Surgical Technique
    - 1.4.2.2.1. Septoplasty Open Approach
    - 1.4.2.2.2. Septoplasty Closed Approach
- 1.4.3. Post-Operative Care
- 1.4.4. Complications
- 1.4.5. Summary

### 1.5. Reshaping of the Nasal Tip and Alar Cartilages

- 1.5.1. Plan
  - 1.5.1.1. Structures Determining Tip Projection and Tip Appearance



#### 1.5.2. Anesthesia and Surgical Position

#### 1.5.1. Tip Treatment

##### 1.5.1.1. Default

###### 1.5.1.1.1. Grafts

###### 1.5.1.1.2. Strutgraft

###### 1.5.1.1.3. Tipgraft

##### 1.5.1.2. Sutures

###### 1.5.1.2.1. Crurales

###### 1.5.1.2.2. Interdomal

###### 1.5.1.2.3. Transdomal

###### 1.5.1.2.4. Tip

##### 1.5.1.1. Excess

###### 1.5.1.1.1. Bulbous Tip

###### 1.5.1.1.2. Supra Tip

#### 1.5.4. Treatment of the Nasal Base

##### 1.5.4.1. Diminution of the Base

##### 1.5.4.2. Treatment of Nasal Wing Collapse

#### 1.5.5. Complications

#### 1.5.6. Summary

### 1.6. Nasal Dorsum Reshaping and Osteotomies

#### 1.6.1. Plan

#### 1.6.2. Approach Selection

#### 1.6.3. Bone and Cartilaginous Dorsum Reduction

#### 1.6.4. Spreadergrafts

#### 1.6.5. Osteotomies

##### 1.6.5.1. Internal, External, and Medial

##### 1.6.5.2. Modifications (Medals, Open Approach)

##### 1.6.5.3. Dorsal Augmentation

###### 1.6.5.1.1. Autologous Tissue

###### 1.6.5.1.2. Septal Cartilage

###### 1.6.5.1.3. Conchal Cartilage

###### 1.6.5.1.4. Costal Cartilage

###### 1.6.5.1.5. Temporal Fascia

###### 1.6.5.1.6. Other Materials

- 1.6.6. Complications
- 1.6.7. Summary
- 1.7. Secondary Rhinoplasty I
  - 1.7.1. Preoperative Analysis
    - 1.7.1.1. Evaluation of Aesthetic Deformities
    - 1.7.1.2. Evaluation of Functional Deformities
    - 1.7.1.3. Most Frequent Causes
  - 1.7.2. Anesthesia and Surgical Position
  - 1.7.3. Surgical Technique
  - 1.7.4. Boarding Routes
- 1.8. Secondary Rhinoplasty II
  - 1.8.1. Changes Secondary to Primary Rhinoplasty
    - 1.8.1.1. Bone Alterations
      - 1.8.1.1.1. Defects due to Bone Excess or Deficit
      - 1.8.1.1.2. Irregularities
      - 1.8.1.1.3. Deviations
      - 1.8.1.1.4. Narrowing
    - 1.8.1.2. Cartilaginous Alterations
      - 1.8.1.2.1. Inverted V Deformity
      - 1.8.1.2.2. Deviations
      - 1.8.1.2.3. Saddle Deformity
    - 1.8.1.3. Defects in Nasal Tip, Wings, and Columella.
    - 1.8.1.4. Ventilatory Problems
  - 1.8.2. Post-Operative Care
  - 1.8.3. Complications
  - 1.8.4. Summary



1.9. New Rhinoplasty Techniques

1.9.1. Plan

1.9.2. Surgical Technique

1.9.2.1. Preservation Rhinoplasty (Preservation Rhinoplasty)

1.9.2.2. Ultrasonic Rhinoplasty

1.9.3. Post-Operative Care

1.9.4. Complications

1.9.5. Summary

1.10. Rhinomodeling with Injectables

1.10.1. Introduction

1.10.2. Safety Considerations in Rhinomodeling

1.10.3. Treatment of the Nasal Dorsum

1.10.4. Treatment of the Nasal Tip

1.10.5. Complications

1.10.6. Hyaluronidase

1.10.7. Summary



*A unique, key, and decisive  
training experience to boost your  
professional development”*

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gervas, 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.



*The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

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

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

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





**Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Re-testing**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



**Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

This Postgraduate Certificate Nasal Surgery Aesthetics guarantees you, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH - Technological University .



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*Successfully complete this training and receive your university degree without travel or laborious paperwork"*

This **Postgraduate Certificate in Nasal Aesthetic Surgery** includes the most complete and up-to-date scientific program on the market.

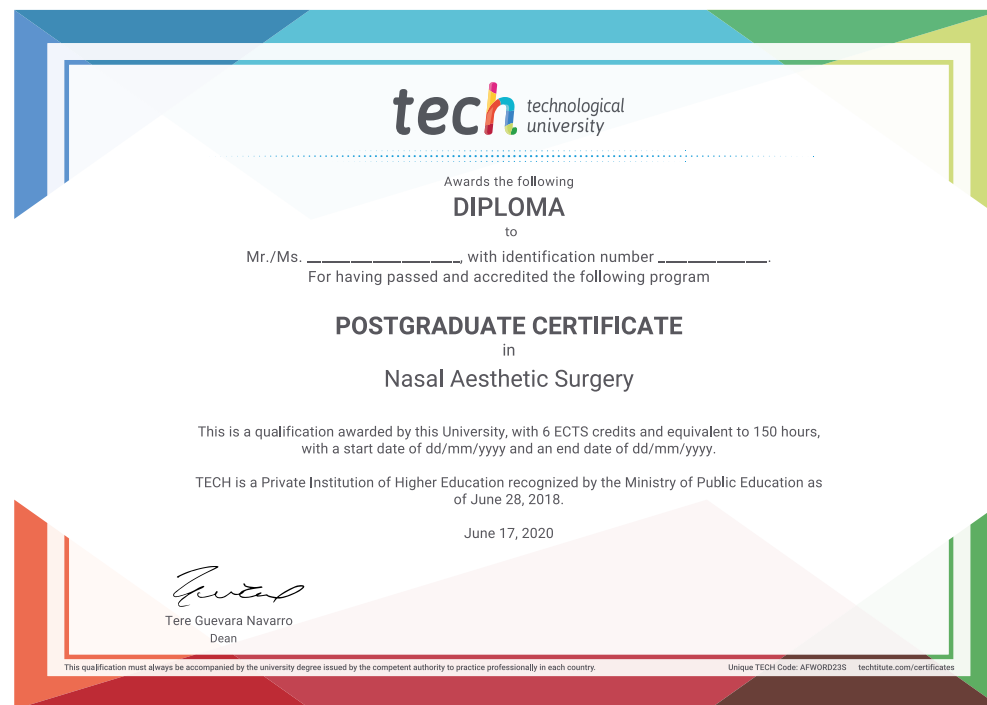
After the student has passed the assessments they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery.

The certificate issued by **TECH Technological University** will specify the qualification obtained through the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Nasal Aesthetic Surgery**

ECTS: **6**

Official Number of Hours: **150**





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



## Postgraduate Certificate Nasal Aesthetic Surgery

Course Modality: Online

Duration: 6 weeks

Certificate: TECH - Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

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