

# Postgraduate Certificate Assessment of Diabetes and its Comorbidities





## Postgraduate Certificate Assessment of Diabetes and its Comorbidities

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/in/medicine/postgraduate-certificate/assessment-diabetes-comorbidities](http://www.techtitute.com/in/medicine/postgraduate-certificate/assessment-diabetes-comorbidities)

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# 01

# Introduction

Acquire the skills and knowledge required for the comprehensive assessment of diabetes patients, with emphasis on acute complications of glycemic control, with this comprehensive program developed by practicing professionals who have extensive medical experience in diabetes.





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*This training is the best option you can find to specialize in diabetes”*

Diabetes is a complex, chronic process that requires specific knowledge and skills for a comprehensive approach that goes beyond glycemetic control.

This course in Assessment of Diabetes and its Comorbidities presents a global and comprehensive view of the disease, which is useful for the proper management of patients with diabetes at any level of care.

This is a unique and innovative training program, based on an up-to-date description of the epidemiological situation of diabetes. This Course provides an in-depth study of the complex pathophysiology of the disease, the integral evaluation of acute and chronic complications, from a specialized point of view, and its comprehensive treatment.

Its contents cover the most innovative aspects of diabetes, such as the implementation of technology to control and treat this disease, and the most innovative areas in the research of new therapeutic approaches. All this, without forgetting the crucial role of diabetes education for the control of the disease.

This program is unique in that it includes a broad view of the disease across all patient ages and special situations. It also delves into the social aspects of diabetic patients' lives that require specific knowledge so that they can be addressed.

A quality training with which you will be able to stand out in a highly competitive sector and improve your skills and knowledge in the field.

This **Postgraduate Certificate in Assessment of Diabetes and its Comorbidities** contains the most complete and up-to-date scientific program on the market.

The most important features of the program include:

- ◆ Practical cases presented by experts in Diabetes
- ◆ 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
- ◆ New developments in Diabetes
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Special emphasis on innovative methodologies in Diabetes
- ◆ 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



*Improve the quality of care for your patients with this innovative diabetes training program"*

“

*This course is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge of Diabetes, you will obtain a qualification endorsed by TECH Technological University"*

The teaching staff includes professionals from the field of Diabetes, who bring their experience to this training 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 training programmed to train in real situations.

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

*Take the step and join our team. You will find the best educational material to enhance your studies"*

*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 Assessment of Diabetes and its Comorbidities is aimed at facilitating the medical professional's performance with the latest advances and most innovative treatments in the sector.





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*This is your opportunity to learn about  
the latest treatments in Diabetes”*



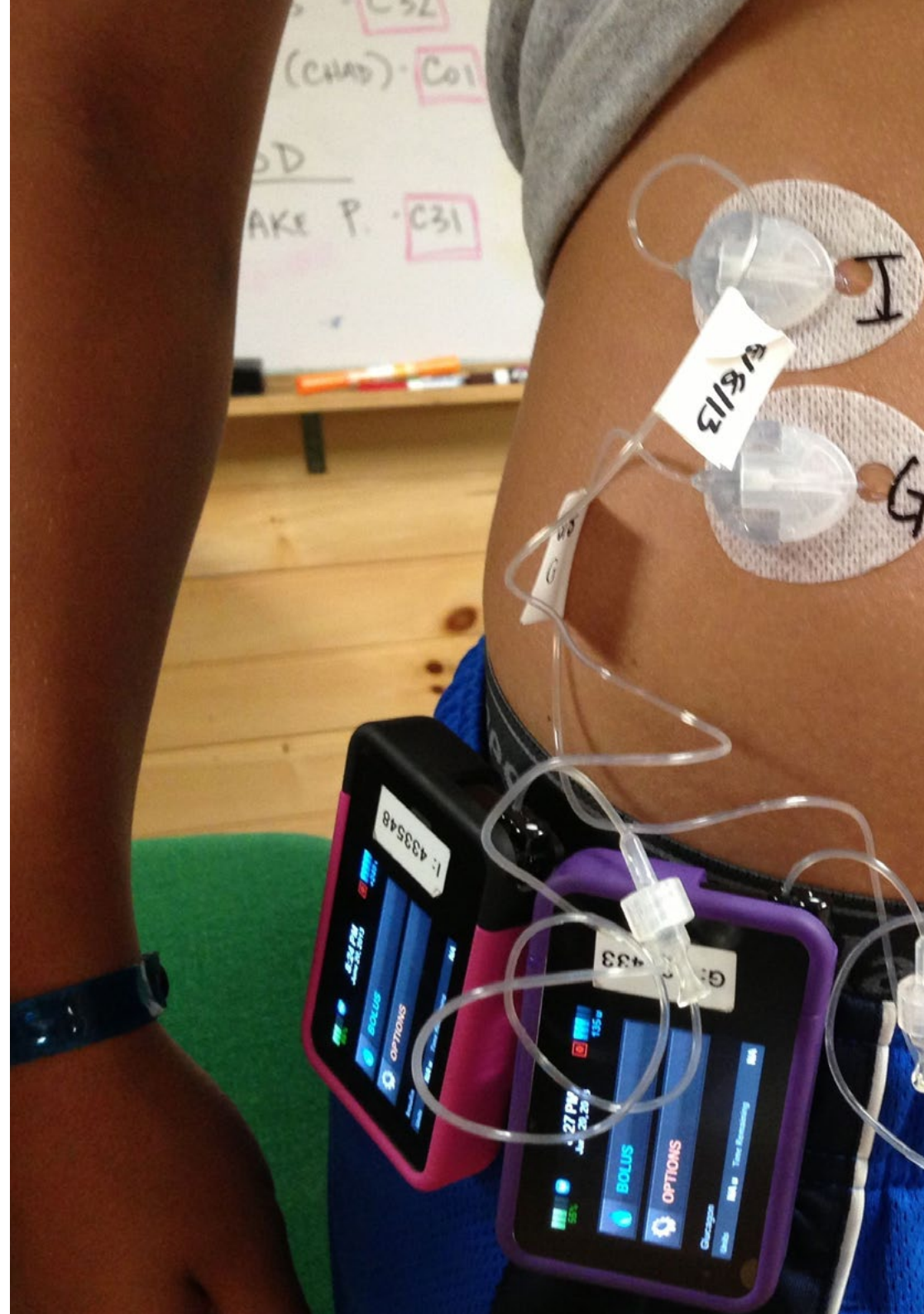
## General Objectives

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- ◆ Act as a leading professional specialized in Diabetes
- ◆ Acquire the knowledge and skills necessary for a comprehensive assessment of diabetic patients, with special reference to acute complications of glycemic control



*A unique specialization that will allow you to acquire superior training to develop in this field"*





## Specific Objectives

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- ◆ Study in depth the concept of comprehensive assessment of diabetes in order to have a global vision of the patient with diabetes
- ◆ Acquire the necessary knowledge to inform the patient of the priorities in the treatment approach
- ◆ Acquire the skills to ascertain the patient's preferences, social, economic, and cultural environment and expectations in the treatment of diabetes
- ◆ Understand the importance of glycemic control
- ◆ Learn glycemic control mediation techniques and individualized targets for each patient
- ◆ Acquire a mastery of hypoglycemia, both from the pathophysiological point of view, as well as detection, prevention, and treatment
- ◆ Understand the consequences of hypoglycemia in patients
- ◆ Differentiate acute hyperglycemic complications in order to correctly address them in the treatment
- ◆ Learn to detect precipitating factors of acute hyperglycemic complications
- ◆ Acquire the knowledge and skills for cardiovascular risk assessment in diabetic patients
- ◆ Learn how to screen for cardiovascular risk factors
- ◆ Identify other endocrinologic entities with diabetes
- ◆ Acquire knowledge and skills to assess the social and psychological aspects of diabetes

03

# Course Management

The program's teaching staff includes leading experts in Diabetes who contribute their vast work experience to this training program. Additionally, other recognized specialists participate in its design and preparation which means that the program is developed in an interdisciplinary manner.





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*Leading professionals in the field have come together to teach you the latest advances in Diabetes”*

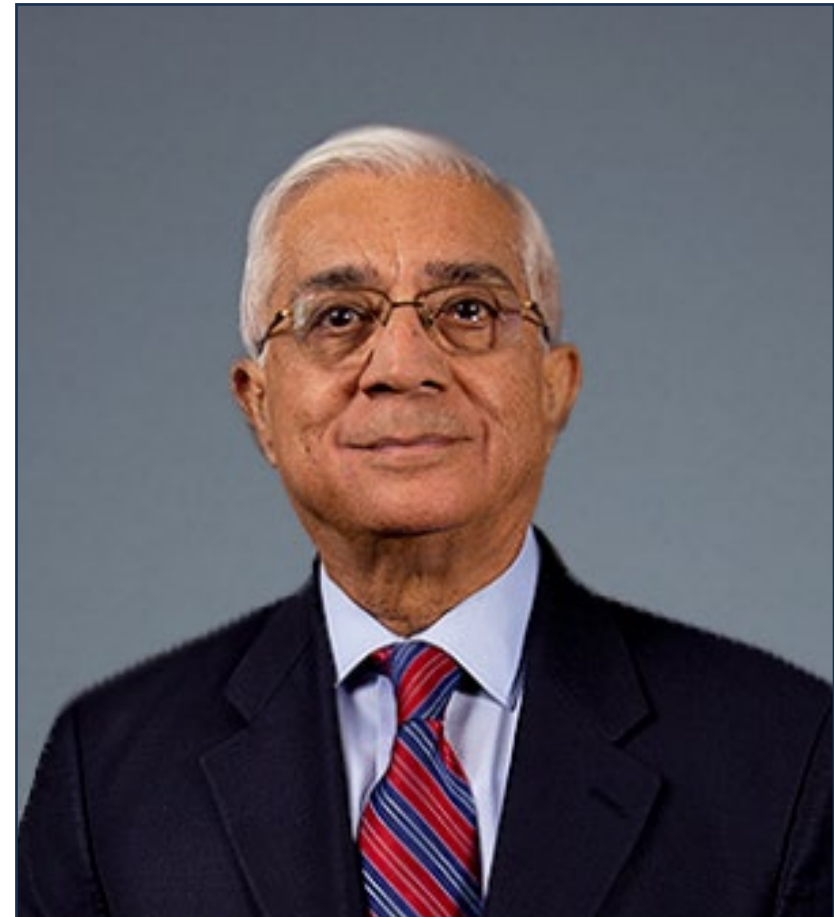
## International Guest Director

More than **four decades of experience** in **diabetes** research and clinical practice endorse the outstanding career of Dr. Om Ganda. He was part of one of the **most important trials in this field**, the 1993 DCCT, which demonstrated the importance of glucose control in the prevention of complications in type 1 diabetes. Likewise, his numerous contributions to this area have led to outstanding advances in optimal glucose control in patients with diabetes. In recent years he has directed his research focus to the study of the effects of Omega-3 fatty acids on cardiovascular health and the improvement of treatments for people with difficulties in maintaining a diet or exercising.

He has **more than 100 scientific publications** in the area of Diabetes, the most cited being those related to the development of a comprehensive care plan for Diabetes Mellitus (in collaboration with the American Society of Clinical Endocrinologists), the insulin resistance syndrome or the treatment of dyslipidemia and prevention of atherosclerosis.

His extensive experience has led him to direct, as **medical director**, the Lipid Clinic of the Joslin Diabetes Center, where he has also been **coordinator of the Endocrinology Consultation Service** and coordinator of the Clinical Diabetes and Metabolism conferences. He balances these responsibilities with his aforementioned work in the field of research, being an active part of the Joslin Research Laboratory.

He is also an Associate Professor of Medicine at Harvard Medical School, having served as a Clinical and Research Fellow at Harvard, Boston Veterans Administration Hospital and Peter Bent Brigham Hospital.



## Dr. Ganda, Om

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- Director of the Lipid Clinic - Joslin Diabetes Center, Boston
- Director of the Lipid Clinic at the Joslin Diabetes Center
- Coordinator of the Endocrine Consultation Service at Joslin Diabetes Center
- Researcher at the Joslin Research Laboratory
- Associate Professor of Medicine at Harvard Medical School
- M.D. from All India Institute of Medical Sciences
- Graduate in Medicine from S.M.S. Medical College of Rajasthan University
- Clinical Fellow in Endocrinology and Metabolism at Boston Veterans Administration Hospital and Tufts University School of Medicine
- Research Fellow at Harvard Medical School
- Research Fellow at Peter Bent Brigham Hospital
- Board Certified in the subspecialty of Endocrinology and Metabolism by the American Society of Internal Medicine



*Thanks to TECH you will be able to learn with the world's best professionals"*

## Management



### Dr. González Albarrán, Olga

- ◆ Degree in Medicine from the Autonomous University of Madrid
- ◆ PhD in Medicine from the University of Alcalá de Henares. Grade: Outstanding Cum Laude. Outstanding Award in her PhD
- ◆ Specialist in Endocrinology and Nutrition
- ◆ Head of Endocrinology and Diabetes at the Gregorio Marañón University Hospital in Madrid
- ◆ Associate Professor at the Complutense University of Madrid
- ◆ Master's Degree in Clinical Nutrition from the Autonomous University of Madrid
- ◆ Master's Degree in Cardiovascular Risk from McMaster University, Ontario, Canada
- ◆ Professional Master's Degree in Endocrinology Clinical Unit Management from the Meléndez Pelayo University

## Professors

### Dr. Atencia Goñi, José

- ◆ Degree in Medicine from the University of Navarra
- ◆ Specialist in Endocrinology and Nutrition
- ◆ Assistant Physician in the Endocrinology Department at the Gregorio Marañón Hospital in Madrid

### Dr. Chacín Coz, Juan Simón

- ◆ Degree in Medicine from the Central University of Venezuela (2001 - 2007)
- ◆ Specialist in Endocrinology and Nutrition
- ◆ Assistant Physician in the Endocrinology Department at the Rey Juan Carlos University Hospital in Móstoles, Madrid

### Dr. Galdón Sanz-Pastor, Alba

- ◆ Degree in Medicine from the Complutense University of Madrid.
- ◆ Specialist in Endocrinology and Nutrition
- ◆ Assistant Physician in the Endocrinology Department at the Gregorio Marañón Hospital in Madrid

### Dr. López Guerra, Aurelio

- ◆ Degree in Medicine from the University of Gran Canaria
- ◆ Specialist in Endocrinology and Nutrition
- ◆ Assistant Physician in the Endocrinology Department at the Gregorio Marañón Hospital in Madrid





**Dr. Weber, Bettina**

- ◆ Degree in Medicine from the Complutense University of Madrid.
- ◆ Specialist in Endocrinology and Nutrition
- ◆ Assistant Physician in the Endocrinology Department at the Gregorio Marañón Hospital in Madrid

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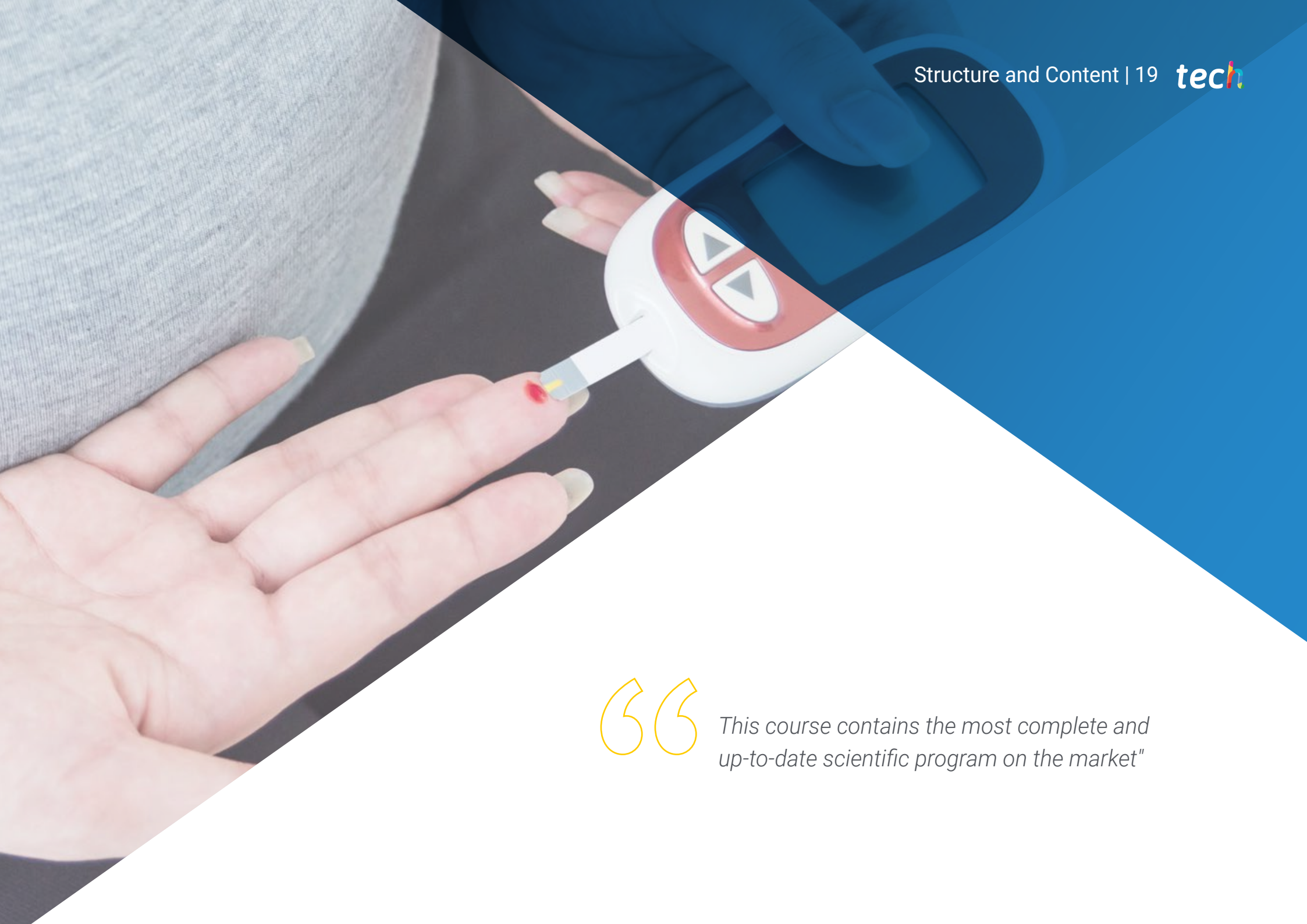
*Make the most of this opportunity to learn about the latest advances in this subject to apply it to your daily practice"*

# 04

# Structure and Content

The structure of the content has been designed by leading professionals in the Diabetes Sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to anesthesiology.





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

## Module 1. Assessment of diabetes and its comorbidities

- 1.1. Patient-Centered. Facilitating Behavioral Change in Diabetic Patients
- 1.2. Glycemic Control Objectives
- 1.3. Hypoglycemia
- 1.4. Diabetes and Hyperglycemic Decompensations: CAD
- 1.5. Diabetes and Hyperosmolar Hyperglycemic Decompensation
- 1.6. Diabetes and Infections
- 1.7. Cardiovascular Risk Assessment in Diabetic Patients
- 1.8. Diabetes and Endocrine Diseases
- 1.9. Psychological and Social Aspects of Diabetes



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*This training will allow you to advance in your career comfortably”*

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.



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

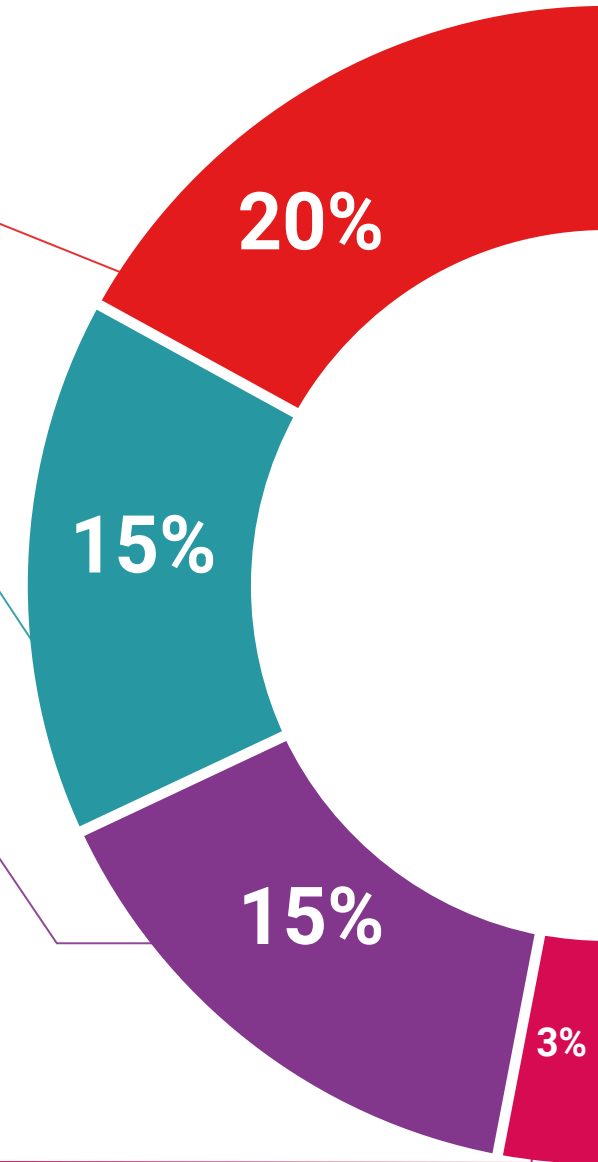
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

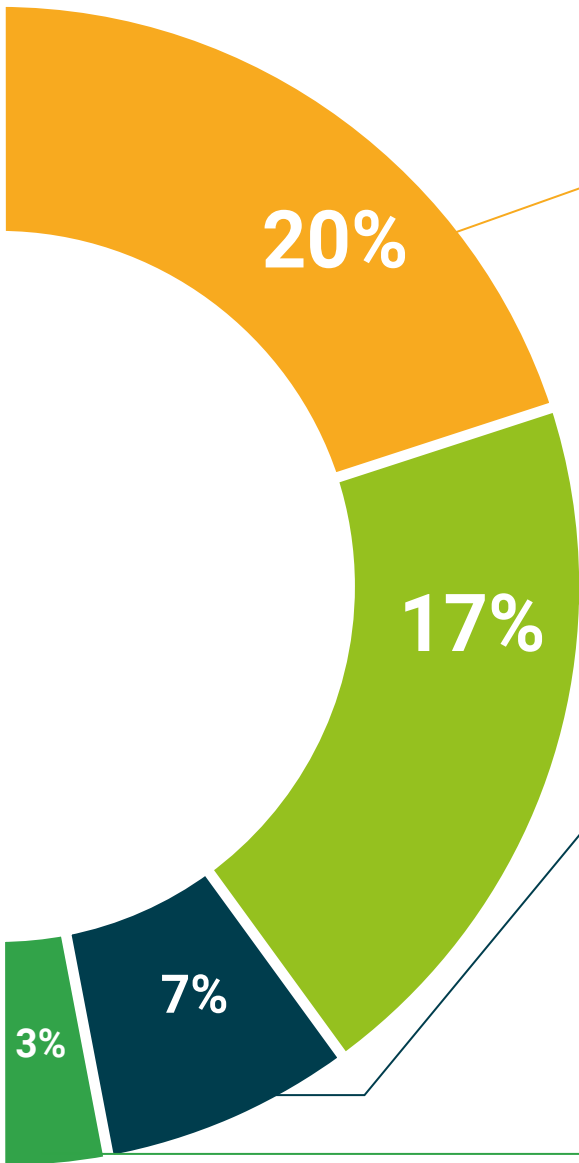
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### 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

The Postgraduate Certificate in Assessment of Diabetes and its Comorbidities guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate 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 Assessment of Diabetes and its Comorbidities** contains the most complete and updated scientific program on the market.

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

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

Title: **Postgraduate Certificate in Assessment of Diabetes and its Comorbidities**

Official N° of hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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



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# Postgraduate Certificate

## Assessment of Diabetes and its Comorbidities

