

# Postgraduate Certificate

## Nutrition in Kidney Diseases





## Postgraduate Certificate Nutrition in Kidney Diseases

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitude.com/us/nutrition/postgraduate-certificate/nutrition-kidney-diseases](http://www.techtitude.com/us/nutrition/postgraduate-certificate/nutrition-kidney-diseases)

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# 01 Introduction

Learn about the latest advances in Nutrition in Kidney Diseases with this high-level program. You will have access to the most advanced didactic resources and quality content adapted to the latest innovations, all in a program that stands out for its maximum scientific rigor.

A unique opportunity to specialise in a high-demand professional field.



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*Don't miss this opportunity to become one of the best professionals specializing in Nutrition in Kidney Diseases with this highly scientific program”*

In this comprehensive program, taught by expert nutritionists you will learn to identify patients with nutritional risk or established malnutrition who require specific support.

With this program you will have the opportunity to study a course that brings together the most advanced and in-depth knowledge in the field, where a group of highly regarded professors with extensive international experience provides you with the most complete and up-to-date information on the latest advances and techniques in Nutrition in Kidney Diseases.

There is a lot of interest in everything related to dietetics and human nutrition and this is justified by a series of factors, among which two stand out:

- A greater demand for quality of life in Western society, concern for the effects of nutrition on the maintenance of health and the prevention and treatment of diseases, which translates into the search for better, healthier and more balanced nutrition.
- The management of nutrition as a preventative or palliative factor for collective and personal health.



*You will have access to the most advanced didactic resources in the sector and the latest developments in the subject matter"*

This **Postgraduate Certificate in Nutrition in Kidney Diseases** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- Clinical cases presented by experts in nutrition. 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.
- The latest diagnostic and therapeutic information on how to approach Nutrition in Kidney Diseases.
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- Special emphasis on test-based medicine and research methodologies in Clinical Nutrition.
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- Availability of content from any fixed or portable device with internet connection

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*It includes clinical cases to bring the program's content as close as possible to the reality of care in nutrition”*

Forming part of the teaching staff is a group of professionals in the world of clinical nutrition, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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 an immersive training program to train in real situations.

Problem-Based Learning underpins this program design, and the educator must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

*This Postgraduate Certificate may be the best investment you can make when choosing a refresher course.*

*The Postgraduate Certificate allows training in simulated environments, which provide immersive learning programmed to train in real situations.*



# 02 Objectives

The program's primary objective is focused on theoretical and practical learning, so that the nutritionist is able to master Nutrition in Kidney Diseases in both a practical and rigorous manner.





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*This refresher program will generate a sense of security in nutritional practice, which will help you grow both personally and professionally”*



## General Objectives

- Update the professional's knowledge on new trends in human nutrition, in both health and disease situations, through evidence-based medicine
- Promote work strategies based on the practical knowledge of the new trends in nutrition and its application to adult pathologies, where nutrition plays a fundamental role in treatment
- Promote the acquisition of technical skills and competencies through robust audiovisual systems, complemented by opportunities for development via online simulation workshops and/or specialized training
- Encourage professional stimulation through continuing education and research
- Train to conduct research on patients with nutritional issues

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*Make the most of the opportunity and take the step to get up-to-date on the latest developments in Nutrition in Kidney Diseases”*





## Specific Objectives

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- ♦ Analyze the different methods for assessing nutritional status
- ♦ Interpret and integrate anthropometric, clinical, biochemical, hematological, immunological, and pharmacological data in the patient's nutritional assessment and dietary-nutritional treatment
- ♦ Predict patients' nutritional risk
- ♦ Manage the different types of nutritional surveys to assess food intake
- ♦ Early detection and assessment of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ♦ Review basic aspects of food microbiology, parasitology, and toxicology related to food safety
- ♦ Explore glomerular conditions and tubulopathies
- ♦ In-depth study of chronic renal insufficiencies
- ♦ Investigate the underlying pathophysiological mechanisms of kidney diseases
- ♦ Develop and implement strategies for prevention and early management of failure

03

# Course Management

This program includes highly regarded health professionals from the field of nutrition in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.



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*Learn about the latest advances in  
Nutrition in Kidney Diseases from  
leading professionals"*

## International Guest Director

Dr. Sumantra Ray is an internationally recognized specialist in **Nutrition** and his main areas of interest are **Nutrition Education in Health Systems** and **Cardiovascular Disease Prevention**. With his outstanding experience in this health field, he has served as a consultant on special assignment for the **Nutrition Management** of the **World Health Organization** Headquarters in Geneva. He has also worked as **Director of Research** in Food Security, Health and Society in the Faculty of Humanities and Social Sciences at the University of Cambridge.

For his constant commitment to the dissemination of **healthy eating habits**, he has received the **Josephine Lansdell Award** from the British Medical Association. Specifically, this recognition highlighted his contributions related to nutrition and **Cardiovascular Prevention**. Also, as an international expert, he has participated in a work program on **Food, Nutrition and Education** in India, led by the University of Cambridge and funded by the UK Global Challenges Research Fund.

Dr. Sumantra Ray's studies are worldwide references, focusing on **global food security**, as it is a fundamental aspect for the development of societies. In addition, he has demonstrated his leadership skills as a **Senior Clinical Scientist** at the **Medical Research Council**, focusing on **Nutrition** and **Vascular Health** studies. In this position, he directed an experimental medicine facility dedicated to Human **Nutrition** studies.

Throughout his career he has authored more than **200 scientific publications** and has written the **Oxford Handbook of Clinical and Health Research**, aimed at strengthening the basic research skills of health care workers around the world. In this sense, he has shared his scientific findings in numerous presentations and congresses, in which he has participated in different countries.



## Dr. Ray, Sumantra

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- ♦ Executive Director and Founder, NNEdPro Global Nutrition and Health Centre, Cambridge, UK
- ♦ Director of Research in Food Security, Health and Society in the Faculty of Humanities and Social Sciences, University of Cambridge
- ♦ Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- ♦ Presidential Advisor at the School of Advanced Studies on Food and Nutrition, University of Parma
- ♦ Vice President of the Conference of Medical Academic Representatives of the BMA
- ♦ Consultant on special assignment for the Nutrition Directorate of the World Health Organization Headquarters in Geneva
- ♦ Honorary International Dean of the Cordia Colleges in India
- ♦ Senior Clinical Scientist with the Medical Research Council
- ♦ Bachelor's Degree in Medicine

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

## Management



### **Ms. Aunió Lavarías, María Eugenia**

- ♦ Pharmacist and Clinical Nutrition Expert
- ♦ "Author of the reference book in the field of Clinical Nutrition "Dietetic Management of Overweight in the Pharmacy Office". (Panamerican Medical Publishing House)
- ♦ Pharmacist with extensive experience in the public and private sector
- ♦ Pharmacist in Valencia Pharmacy
- ♦ Pharmacy Assistant in the British pharmacy and health and beauty retail chain Boots, UK
- ♦ Degree in Pharmacy and Food Science and Technology. University of Valencia
- ♦ Director of the University Course "Dermocosmetics in the Pharmacy Office"



04

# Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in daily praxis in the field of nutrition, aware of the relevance of current training to treat patients with renal pathologies and who are committed to quality teaching using new educational technologies.



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*This Postgraduate Certificate in Nutrition in Kidney Diseases contains the most complete and up-to-date scientific program on the market”*

#### Module 1. Assessment of Nutritional Status and Diet. Practical Application

- 1.1. Bioenergy and Nutrition
  - 1.1.1. Energy Needs
  - 1.1.2. Methods of Assessing Energy Expenditure
- 1.2. Assessment of Nutritional Status
  - 1.2.1. Body Composition Analysis
  - 1.2.2. Clinical Diagnosis. Symptoms and Signs
  - 1.2.3. Biochemical, Hematological and Immunological Methods
- 1.3. Intake Assessment
  - 1.3.1. Methods for Analyzing Food and Nutrient Intake
  - 1.3.2. Direct and Indirect Methods
- 1.4. Update on Nutritional Requirements and Recommended Intakes
- 1.5. Nutrition in a Healthy Adult. Objectives and Guidelines. Mediterranean Diet
- 1.6. Nutrition in Menopause
- 1.7. Nutrition in the Elderly

#### Module 2. Nutrition in Kidney Diseases

- 2.1. Glomerular Disorders and Tubulopathies
- 2.2. Predialysis Chronic Renal Failure
- 2.3. Chronic Renal Failure and Dialysis
- 2.4. Gout and Hyperuricemia





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

# 05 Methodology

As part of our global quality criteria, in this program we offer you an innovative learning method that organizes the challenges in a cyclical way: re-learning. This way of teaching facilitates the learning of the student and orients all their skills in a process of guided reiteration, achieving high levels of efficiency. This method, which originated at Harvard University, has been used for many years and has proven its effectiveness. TECH is the first online university accredited for its use: another of our differentiating features.



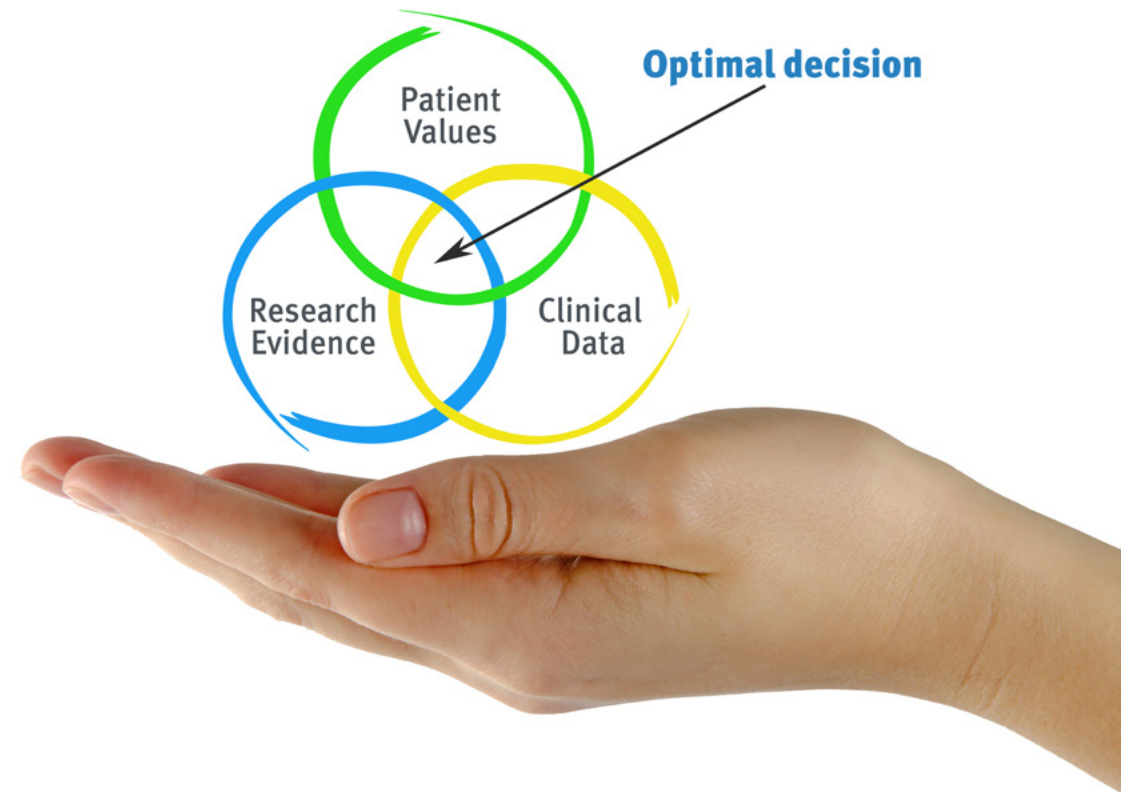
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*Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

In a given clinical 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 an abundance of scientific evidence on the effectiveness of the method. Nutritionists learn better, faster, and more sustainably over time.

*With TECH, nutritionists can 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 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 of professional nutritional 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. Nutritionists 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 is solidly focused on practical skills that allow the nutritionist to better integrate the knowledge into clinical practice.
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 nutritionist 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 have trained more than 45,000 nutritionists with unprecedented success, in all clinical specialties regardless of the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

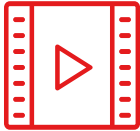
*Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 the teaching materials are specifically created for the course by specialists who teach on 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.



#### Video Techniques and Procedures

We bring you closer to the latest techniques, to the latest educational advances, to the forefront of current affairs. 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

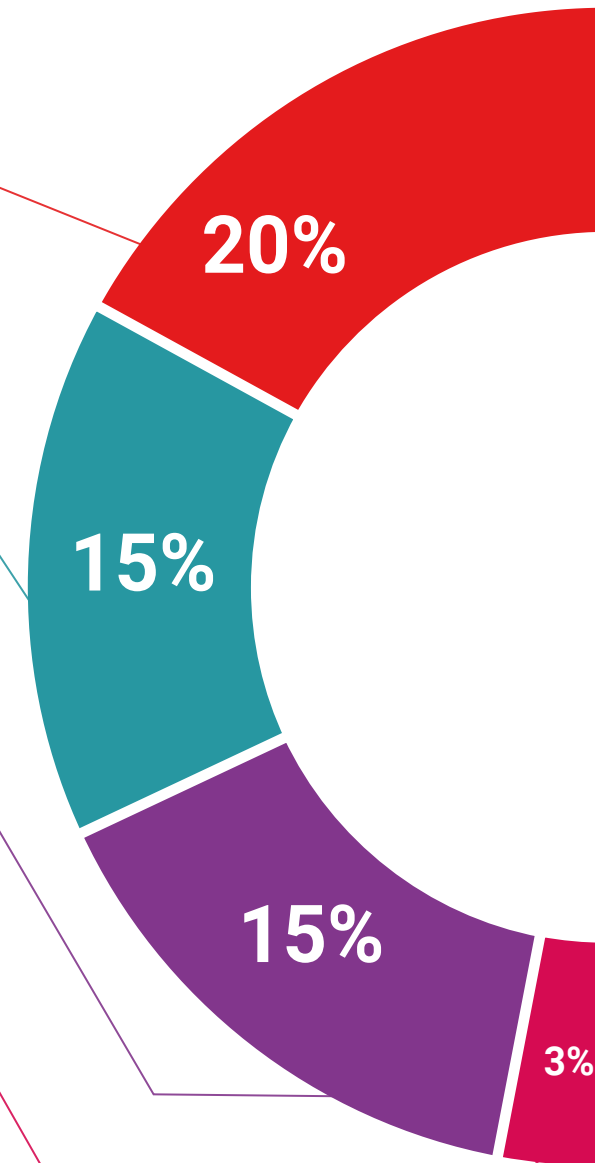
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This unique training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

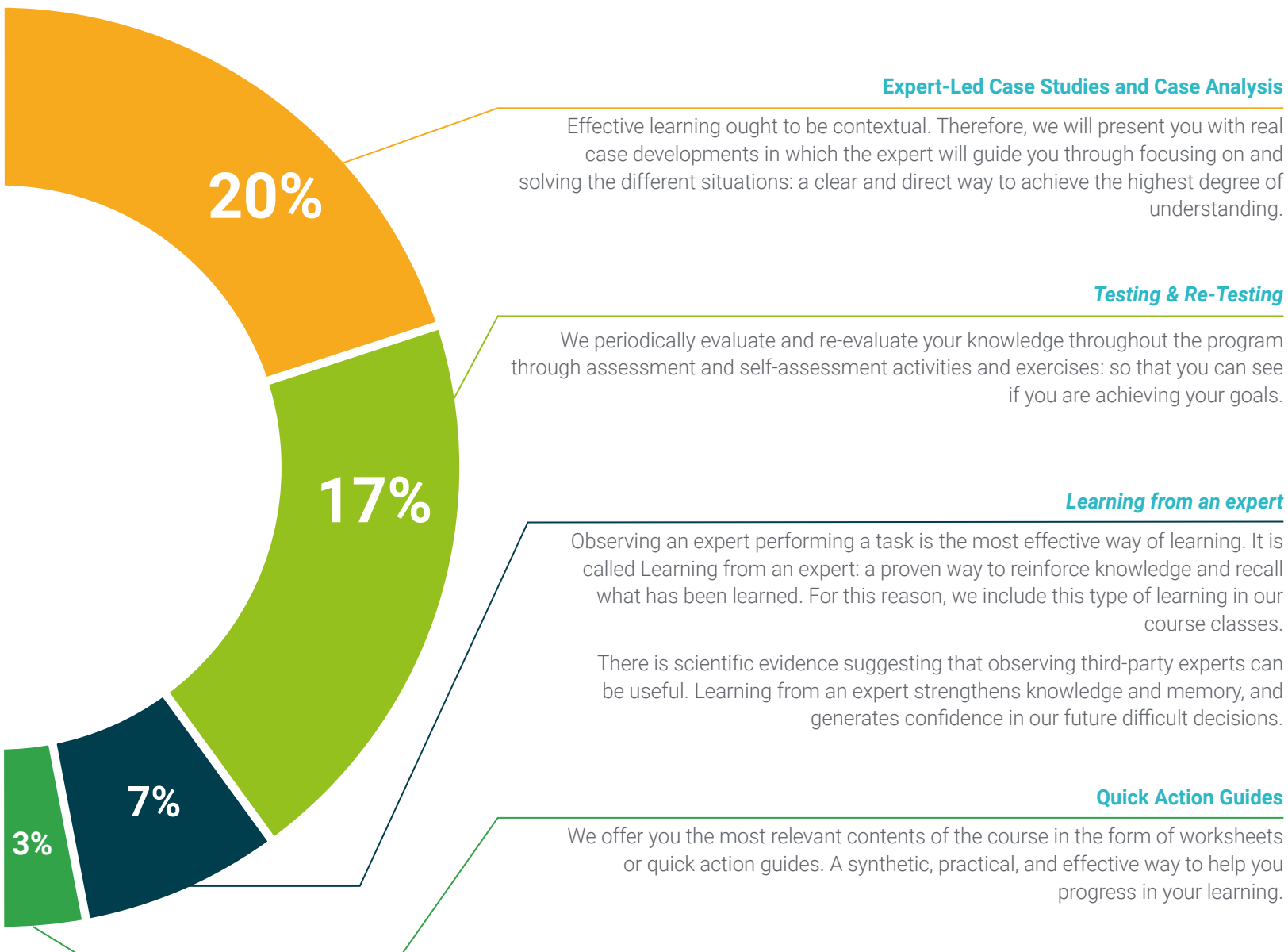


#### Additional Reading

By participating in this course you will have access to a virtual library where you will be able to complement and keep your training up-to-date with the latest articles on the subject, consensus documents, international guidelines...

An invaluable resource that you will be able to use even when you finish your course with us.





# 06 Certificate

The Postgraduate Certificate in Nutrition in Kidney Diseases 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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*Add a course in Nutrition in Kidney Diseases to your CV and become a highly competitive professional”*

This program will allow you to obtain your **Postgraduate Certificate in Nutrition in Kidney Diseases** 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 Nutrition in Kidney Diseases**

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 ECTS**



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



## Postgraduate Certificate Nutrition in Kidney Diseases

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

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