

Postgraduate Certificate

New Methods of Addressing Pediatric Inflammatory Bowel Disease



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New Methods of Addressing Pediatric Inflammatory Bowel Disease

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/new-methods-addressing-pediatric-inflammatory-bowel-disease

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Introduction

Inflammatory Bowel Disease is diagnosed at approximately 12 years of age; however, in recent years, detection has been observed at much earlier stages of life. Therefore, the most recent studies show that the etiology is multifactorial, but environmental factors could be one of the causes of this progressive increase. All this has allowed progress to be made in terms of diagnostic tests and treatments used. Faced with this reality, TECH has designed this 100% online program, which provides the specialist with the latest knowledge on epidemiology, pathogenesis and endoscopy in this type of disease. In addition, with high quality multimedia teaching resources that can be accessed comfortably from any electronic device with an Internet connection.





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With the Postgraduate Certificate in New Methods of Addressing Pediatric Inflammatory Bowel Disease, you have the opportunity to update your knowledge on non-biological treatments in this type of patients”

The incidence of Inflammatory Bowel Disease has increased in recent years, evolving in the patient with periods of activity with others of remission.

Sometimes, due to the characteristics of pediatric patients, the diagnosis is delayed, with the consequences that this can have in the long term. Therefore, in this scenario, it is essential for medical professionals to be aware of the latest diagnostic tests or the symptoms associated with this pathology, which may raise the alarm, given the existence of any difficulty in the child's organism.

Because of this, it is crucial that in this phase of growth and maturation of the human being, health professionals have the most current knowledge and with the maximum scientific rigor. For this reason, this academic institution has created this 100% online program, which offers the most recent and innovative information on New Methods of Addressing Pediatric Inflammatory Bowel Disease.

An academic journey, which will lead the graduate to delve, throughout the 180 teaching hours, into the epidemiology, pathogenesis, advances in diagnostic imaging or the use of therapeutic endoscopy. For this purpose, innovative didactic material will be available 24 hours a day, from any electronic device with an Internet connection.

In this way, by means of a theoretical-practical approach, the professional will be able to delve into the subject in a dynamic and attractive way. In addition, and thanks to the Relearning method, the updating of knowledge will be much more agile, even reducing the hours of study.

TECH thus provides a flexible Postgraduate Certificate that can be completed comfortably. An ideal academic option for those who wish to keep abreast of progress in Inflammatory Bowel Disease in Pediatrics, while combining their daily professional activities. In addition, a prestigious International Guest Director will give a comprehensive Masterclass that will allow practitioners to experience a significant leap in quality in their professional careers.

This **Postgraduate Certificate in New Methods of Addressing Pediatric Inflammatory Bowel Disease** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of clinical cases presented by experts in Digestive Medicine
- ♦ The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ The latest developments in New Methods of Addressing Pediatric Inflammatory Bowel Disease
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ 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



A renowned International Guest Director will offer a thorough Masterclass on the most innovative treatments for the approach of New Methods of Addressing Pediatric Inflammatory Bowel Disease"

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With this program you will learn about the most recent studies that delve into the evolution and quality of life of pediatric IBD patients”

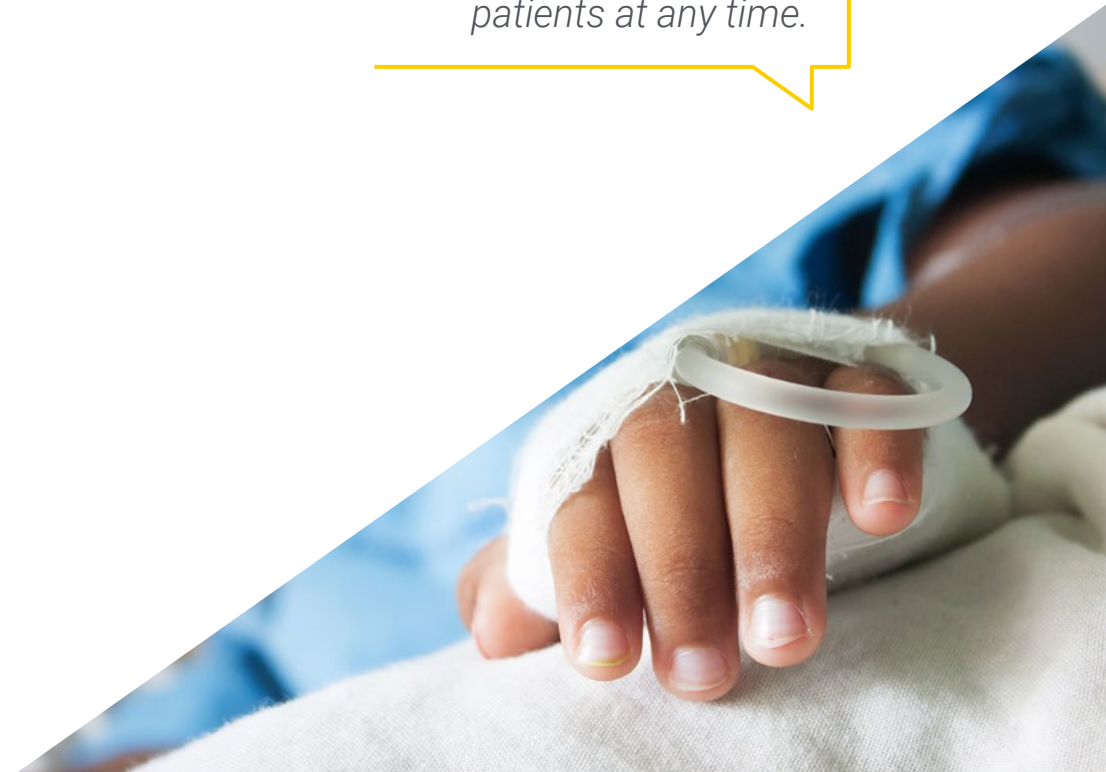
The program's teaching staff includes professionals in the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

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 specialization programmed to prepare 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 throughout the program. For this purpose, students will be assisted by an innovative interactive video system developed by renowned experts.

TECH offers an innovative methodology, with which you will be able to deepen your knowledge of Inflammatory Bowel Disease while reducing long hours of study.

You can delve into the differential aspects of epidemiology and etiopathogenesis in minor patients at any time.



02 Objectives

During the course of this program, the professional will learn about the latest advances in the diagnosis and treatment of pediatric patients with Inflammatory Bowel Disease. For this purpose, TECH offers a syllabus with a theoretical-practical perspective on the different tests, the approach to the patient and their evolution in the face of this type of pathology. In this way, you will obtain the updated knowledge you are looking for.



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The specialized teaching team that has developed this program provides you with clinical case studies, which will allow you to integrate this methodology in your daily practice”



General Objectives

- ♦ Update the knowledge of the origin, as well as the current scientific state of diagnosis and treatment of inflammatory bowel disease
- ♦ Manage different situations of this disease throughout life (childhood, senescence, pregnancy, lactation, controlled disease or outbreaks)



This university program will lead you to deepen your knowledge of the biological treatments used in children with Inflammatory Bowel Disease"





Specific Objectives

- ♦ Understand the differential aspects in epidemiology, etiopathogenesis, diagnosis and treatment between pediatric versus adult inflammatory bowel disease
- ♦ Acquire skills in stratifying treatment in the different phases of the disease in pediatric patients, as well as to know the indications, contraindications and complications of the use of these drugs in pediatric patients
- ♦ Take into account aspects of quality of life, growth impairment and behavior of the disease in adulthood when it appears in childhood



03

Course Management

Given the depth and specificity of a detailed study of the New Methods of Addressing Pediatric Inflammatory Bowel Disease, TECH has chosen a team of experts with extensive experience in Digestive Medicine to conduct this Postgraduate Certificate. This gives a distinctive quality to the program, since the specialist will have access to the most relevant theoretical content in the area, complemented by the practical vision of the teachers who have developed it.





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You will have access to multimedia videos, in detail and interactive summaries created by a staff extensively versed in Inflammatory Bowel Diseases”

International Guest Director

Considered one of the best doctors by the Castle Connolly, Dr. Gil Melmed is a renowned **Gastroenterologist** highly specialized in the approach of **Inflammatory Bowel Diseases**. In this way, he has developed most of his career in health entities of international reference among which stands out the **Cedars-Sinai Medical Center** in California.

Among his main achievements, he has used innovative **Computer Aided Detection** devices in multiple **colonoscopies**. Therefore, he has demonstrated that these technological tools pertaining to **Artificial Intelligence** can significantly increase the identification of **Adenomas** or **Polyps** and improve the prevention of **Colorectal Cancer**. Along the same lines, he has promoted the **IBD QORUS Quality Improvement Program**, focused on the implementation of excellent practices and quality standards in the treatment of patients with **Inflammatory Bowel Disease**. Thanks to this, he has optimized both medical results and patient experience.

He also balances this work with his role as a **clinical researcher**. In fact, he has developed numerous studies focused on subjects such as **new treatments** for the management of **chronic inflammation of the intestine**, cutting-edge procedures aimed at perfecting **postoperative care** or techniques that ensure that individuals' responses to **vaccines** are effective and safe. Consequently, he has spearheaded a number of sophisticated strategies that have enabled individuals to experience adequate recovery following their surgical procedures.

Committed to the advances in this health field, he participates as a speaker in different **international** scientific congresses. There he has shared his experience using advanced diagnostic tests, such as **Balloon Enteroscopy**. He has also increased the knowledge of health professionals on the most optimal methods to treat **Crohn's Disease** and **Ulcerative Colitis**.



Dr. Melmed, Gil

- Director of Clinical Trials at the Center for Inflammatory Bowel Diseases at Cedars-Sinai Medical Center in Los Angeles, California
- President of the American Gastroenterological Association's Committee on Inflammatory Bowel Diseases
- Clinical Researcher at Cedars-Sinai Medical Center
- Editor of the *American Journal of Gastroenterology*
- Residency at Cedars-Sinai Medical Center
- M.D. from Albert Einstein College of Medicine
- Master of Science in Clinical Research, University of California
- B.S. in Medical Sciences, University of Pennsylvania
- Fellowship in Gastroenterology from University of California
- Board Certified by the American Board of Internal Medicine
- Member of: Crohn's and Colitis Foundation National Scientific Advisory Board and Co-Chair of the IBD QORU Quality Improvement Program

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

04

Structure and Content

The syllabus of this Postgraduate Certificate has been designed to offer the specialist the most recent information and under maximum scientific rigor on the New Methods of Addressing Pediatric Inflammatory Bowel Disease. For this, the professional will have multimedia didactic resources, which will allow them to go deeper into the most effective laboratory tests, diagnostic imaging or stratification of treatment in this type of patients. In addition, thanks to the Relearning system, you will be able to reduce the long hours of study and memorization.



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Multimedia pills, essential readings and case studies are available 24 hours a day to keep you up to date with the latest news on the diagnosis of New Methods in Addressing Pediatric Inflammatory Bowel Disease”

Module 1. Inflammatory Bowel Disease in Pediatrics

- 1.1. Epidemiology
- 1.2. Pathogenesis
- 1.3. Laboratory Tests
- 1.4. Diagnostic Imaging
- 1.5. Endoscopy in Pediatric Inflammatory Bowel Disease
- 1.6. Therapeutic Endoscopy in Pediatric Inflammatory Bowel Disease
- 1.7. Non-Biological Treatment in Pediatric Inflammatory Bowel Disease
- 1.8. Biological Treatments in Pediatric Inflammatory Bowel Disease
- 1.9. Treatment Stratification in Pediatric Inflammatory Bowel Disease
- 1.10. Evolution and Quality of Life in Patients with Inflammatory Bowel Disease



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Thanks to this program you will be aware of the latest advances in the use of therapeutic endoscopy in Pediatric Inflammatory Bowel Disease”

05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

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 assess 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



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.

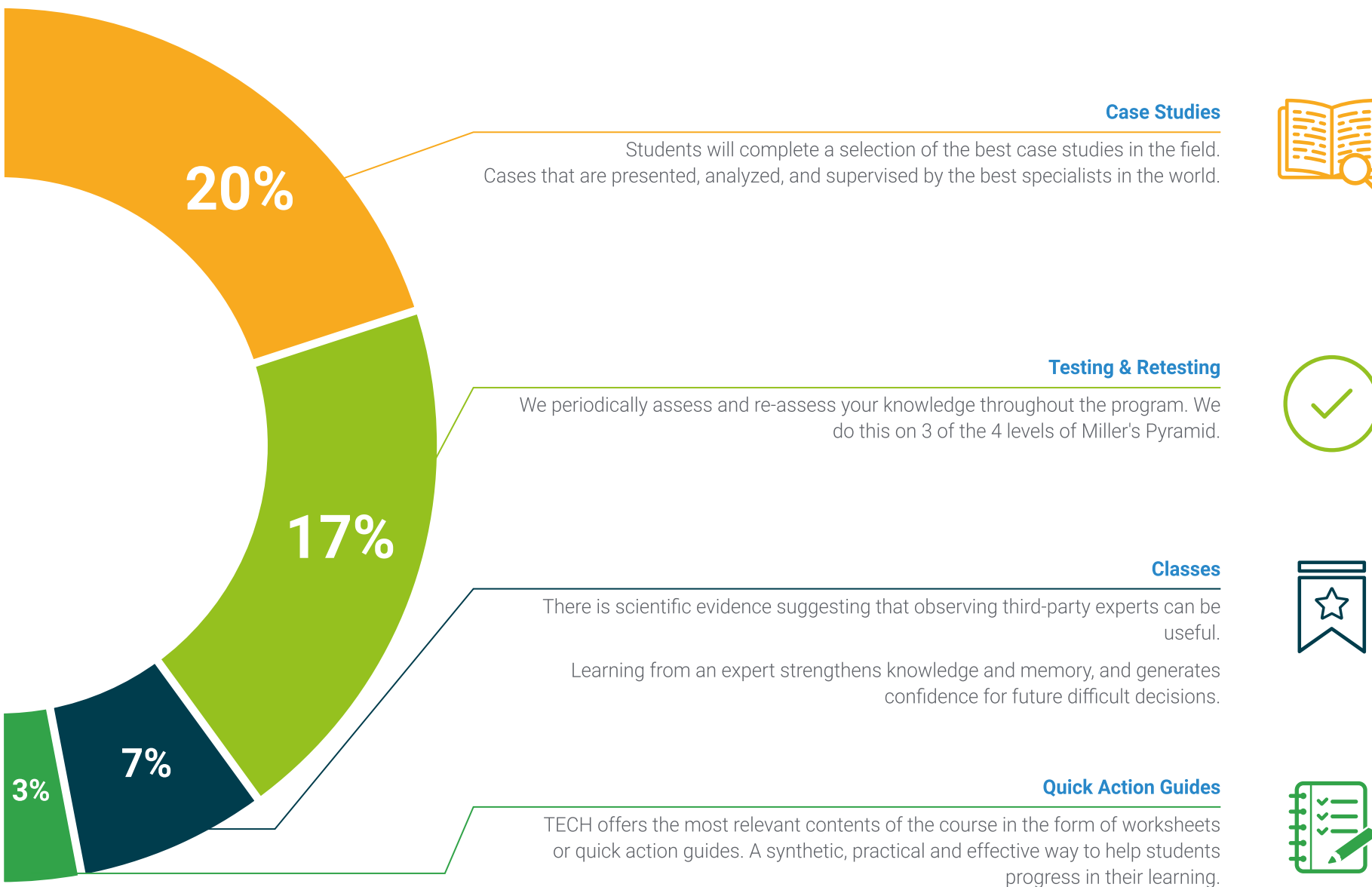
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06 Certificate

The Postgraduate Certificate in New Methods of Addressing Pediatric Inflammatory Bowel Disease guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in New Methods of Addressing Pediatric Inflammatory Bowel Disease** 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.

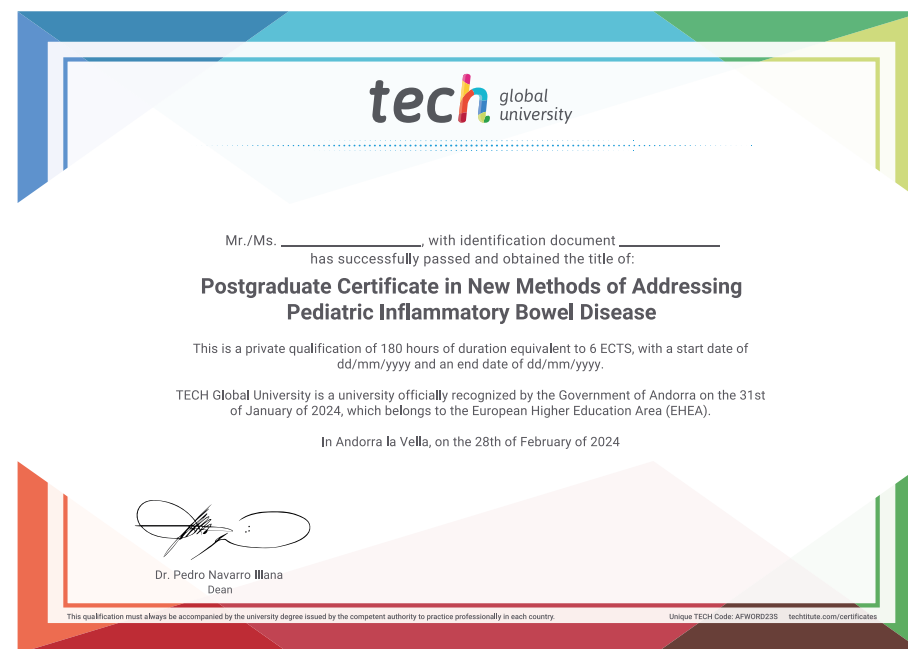
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

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