

# Postgraduate Certificate Pediatric Dysphagia





## Postgraduate Certificate Pediatric Dysphagia

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

Website: [www.techtitute.com/us/medicine/postgraduate-certificate/pediatric-dysphagia](http://www.techtitute.com/us/medicine/postgraduate-certificate/pediatric-dysphagia)

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# 01

# Introduction

Understanding the maturation of infant swallowing and its relationship to warning signs has led specialists to address Dysphagia with greater precision. These advances are reflected in the updating of the assessment scales and in the strategies adopted for patients with brain damage, respiratory or infectious diseases. In this sense, given the relevance of these advances, many professionals are constantly updating their knowledge in this field. In this way, this 100% online program was created to provide graduates with the most rigorous and recent information on this disorder. All this, in addition, through a comprehensive syllabus of 180 teaching hours and a high level teaching material developed by an excellent multidisciplinary team with accumulated experience in this field.



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*In only 6 weeks you will achieve an effective update in Pediatric Dysphagia”*

The existing scientific literature and clinical experience have allowed Dysphagia to become a disorder less and less unknown by specialists in different areas such as Gastroenterology, Otorhinolaryngology, Speech Therapy or Physiotherapy. In this sense, the updates of the assessment scales to determine the type and degree of Dysphagia have been key, as well as the intervention methods for various diseases that manifest this type of disorder.

In this way, from this interdisciplinary approach, its study and understanding in pediatric patients has led to an improvement in the therapeutic strategies used and in the approach to the most complex clinical situations. In this line, this 6-week Postgraduate Certificate in Pediatric Dysphagia, was created by professionals widely knowledgeable in this area.

An intensive program that will bring the graduate to a complete update on the detection and assessment, as well as the management of the child with these characteristics. For this purpose, video summaries of each topic, videos in detail, clinical case studies, as well as specialized literatures will allow you to further extend the information provided in this program.

Furthermore, thanks to the Relearning method, the students will consolidate key concepts and thereby reduce the number of hours spent studying and memorizing. In addition, the graduate will have greater freedom to self-manage the time to access the syllabus, since this program presents a 100% online and flexible methodology.

Undoubtedly, a cutting-edge educational option that responds to the real needs of professionals both for its content and its pedagogical model that allows to reconcile the most demanding daily activities with a first class educational proposal.

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

- ♦ The development of practical cases presented by experts in Otorhinolaryngology and Speech Therapy
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*A flexible educational option that adapts to your daily schedule and your motivation to update your skills in the healthcare field"*

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*With TECH you will be up-to-date with the assessment scales currently used for Pediatric Dysphagia”*

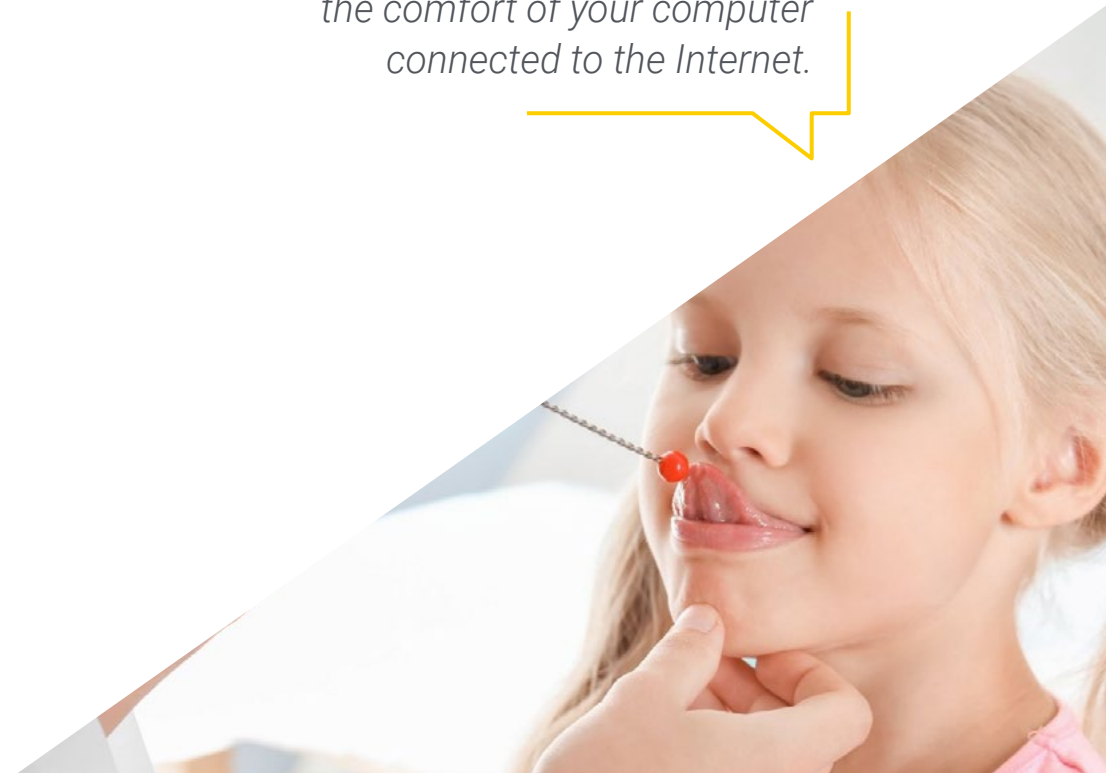
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 education programmed to learn 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 educational year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Delve with the best teaching material in other causes associated with Pediatric Dysphagia such as oral pathology or sialorrhea.*

*Delve into dysphagia due to craniofacial anomalies from the comfort of your computer connected to the Internet.*

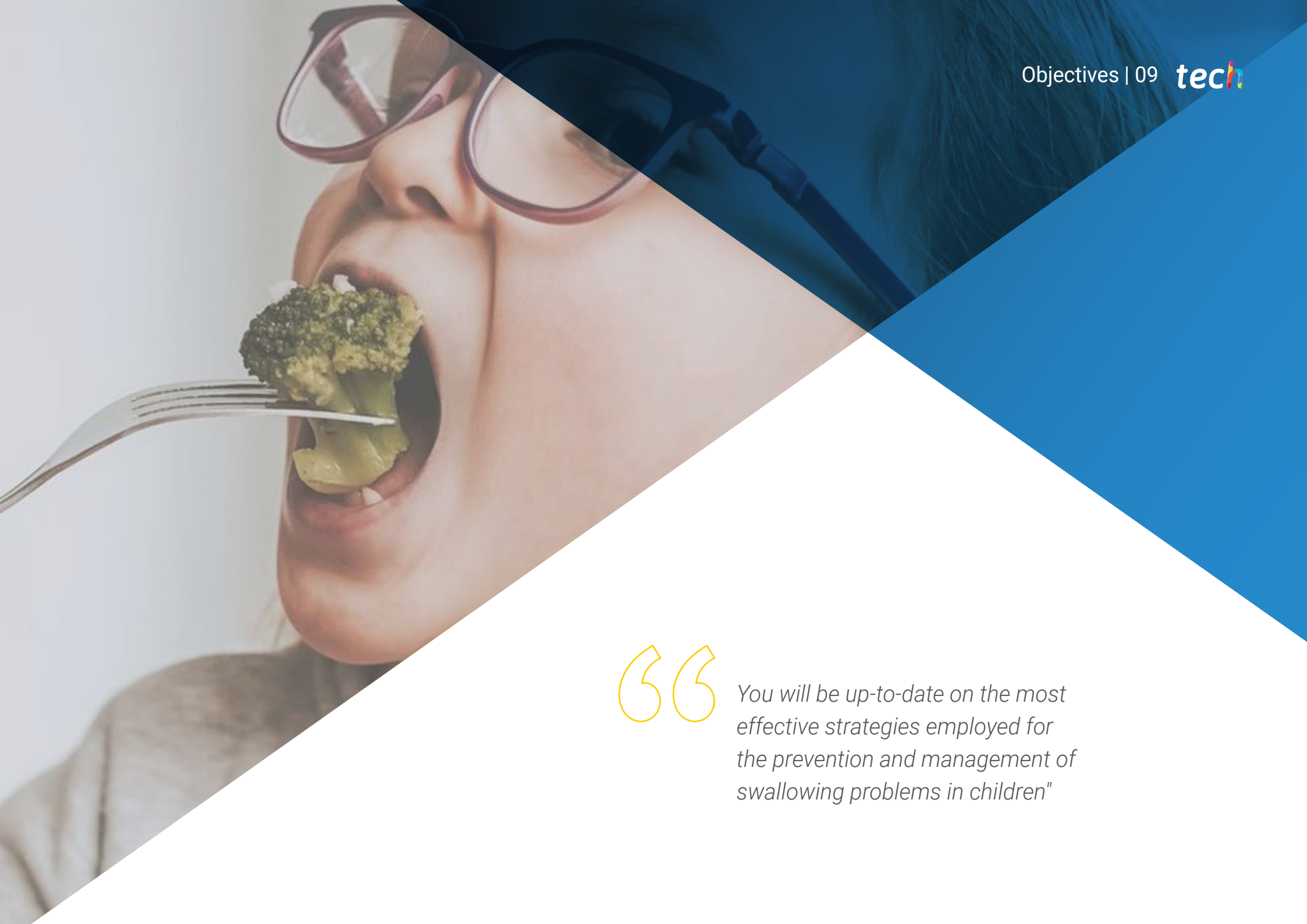


# 02 Objectives

The purpose of this Postgraduate Certificate is to provide, over 6 weeks, the latest advances in the assessment, diagnosis, and treatment of the different conditions associated with Dysphagia in pediatric patients. To this end, the graduates have an exhaustive syllabus that will allow them to integrate into their daily lives the main strategies for the management of the most complex situations in children with swallowing disorders.







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*You will be up-to-date on the most effective strategies employed for the prevention and management of swallowing problems in children"*



## General Objectives

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- Update theoretical and practical knowledge about Dysphagia
- Develop clinical assessment skills
- Design and implement treatment plans according to the most current procedures
- Delve into the most up-to-date technologies and techniques
- Encourage interdisciplinary collaboration





## Specific Objectives

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- Delve into the anatomical and physiological characteristics of swallowing in children
- Describe the different medical conditions and disorders that can cause dysphagia in children
- Delve into the techniques of clinical evaluation in pediatric dysphagia



*Investigate the existing scientific literature on Dysphagia associated with neurodegenerative diseases"*

03

# Course Management

TECH has selected excellent management and teachers for this university program. Their excellent background in the field of Otorhinolaryngology and Speech Therapy will lead the students to obtain a multidisciplinary approach. Furthermore, in addition to their accumulated experience and knowledge in the management of pediatric patients with Dysphagia, this educational institution has valued their proximity, which allows the graduate to resolve any doubts they may have about the content of this program.



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*Distinguished specialists in the field of Dysphagia will be in charge of resolving any doubts you may have about the content of this program"*

## International Guest Director

Julie Stierwalt, M.D., is a leading consultant in the Division of Speech Pathology within the Department of Neurology at the Mayo Clinic in Rochester. With an outstanding track record in the diagnosis and treatment of Speech, Language, Cognitive and Swallowing Disorders, she has set a standard of excellence in her field. Her clinical focus has been on optimizing communication for people with both acute and progressive conditions.

She has also been recognized internationally for her research and contributions in areas such as Aphasia, Frontotemporal Dementia, Amyotrophic Lateral Sclerosis (ALS) and Functional Speech Disorders. In fact, her publications in high impact scientific journals have provided valuable insights into the treatment and diagnosis of these disorders, significantly influencing clinical practice and health policy. In addition, her interest in telepractice has been crucial in expanding access to Speech Pathology services, especially in times of pandemic.

She has also been the recipient of numerous awards and honors throughout her career, including the Leadership Award from the College of Communication and Information at Florida State University, as well as her appointment as a Fellow of the American Speech-Language-Hearing Association (ASHA). In this way, with her unwavering commitment to improving the communication and quality of life of her patients, Dr. Julie Stierwalt has become a key figure in the field of Speech Pathology, as well as an international reference in the treatment of Speech, Language and Swallowing Disorders. In this regard, her work continues to inspire healthcare professionals and benefit countless patients around the world.



## Dr. Stierwalt, Julie

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- Consultant for the Division of Speech Pathology, Department of Neurology, Mayo Clinic, United States
- Speech-Language Pathologist at the Mayo Clinic
- Specialist in Neurological Disorders of Communication
- PhD in Speech-Language Pathology from the University of Iowa
- Master's Degree in Speech Pathology, University of Northern Iowa
- B.S. in Speech Pathology, University of Northern Iowa
- Member of: Alternative and Augmentative Communication Task Force (Division of Speech Pathology), Cognitive Evaluation Committee (Division of Speech Pathology), Dysphagia Research Society, American Speech-Language-Hearing Association

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

## Management



### Mr. Maeso i Riera, Josep

- ◆ Director of the Otorhinolaryngology Section of the Otorhinolaryngology Ophthalmology Center of Egara
- ◆ Assistant Physician of the Otorhinolaryngology Service in the Head and Neck Section of the Mútua de Terrass University Hospital
- ◆ Physician in charge of the Dacryology Section (Ophthalmology Service) of the Delfos Medical Center
- ◆ Head of the Otorhinolaryngology Department at Sanitas CIMA Hospital
- ◆ Collaborating physician in the Otorhinolaryngology office of the Sanitas offices
- ◆ Specialist in Otorhinolaryngology
- ◆ Doctor in Medicine and Surgery from the Autonomous University of Barcelona
- ◆ Degree in Medicine and Surgery from the Autonomous University of Barcelona
- ◆ Diploma in Hospital Management from the School of Business Administration and Management
- ◆ Member of: Catalan Society of Oto-Rhino-Laryngology, Spanish Society of Otolaryngology and Cervico-Facial Pathology, American Academy of Otolaryngology-Head and Neck Surgery





### **Ms. Marcos Galán, Victoria**

- ◆ Director of the Crecemos contigo center and Neuro-logist
- ◆ Specialist in Voice Pathology and Myofunctional Therapy
- ◆ Professor, Department of Physiotherapy in Health Sciences, Castilla La Mancha University
- ◆ Trainer in health specialization courses in Speech Therapy Intervention
- ◆ Specialist in Voice Pathology from the University of Alcalá de Henares
- ◆ Degree in Speech Therapy from the Complutense University of Madrid

## **Professors**

### **Ms. Casero Tapiador, Claudia**

- ◆ Speech therapist at Neuro-Logo Center
- ◆ Graduate in Speech Therapy from the University of Castilla-La Mancha
- ◆ Expert in Psychomotricity and Neuromotor skills by the International University of La Rioja
- ◆ Training in Early Childhood Language Stimulation and Early Childhood Care and Early
- ◆ Education by Universidad Antonio de Nebrija
- ◆ Member of: Breastfeeding Committee of the General University Hospital of Ciudad Real

### **Ms. Aniceto, Elena**

- ◆ speech therapist at Neuro-logo Center
- ◆ Specialist in infant audiology and auditory-verbal therapy
- ◆ Speech therapist from the Complutense University of Madrid

# 04

## Structure and Content

The syllabus of this Postgraduate Certificate has been prepared by an excellent team of teachers with extensive professional experience in the approach of Dysphagia in pediatric patients. This syllabus provides the specialist with an update on detection and assessment, the diseases that cause this disorder and clinical care in the event of possible complications. All of this is complemented by an extensive library of teaching resources.





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*Access, whenever and wherever  
you want, to the Virtual Library  
of this 100% online program”*

## Module 1. Pediatric Dysphagia

- 1.1. Detection and Assessment of Pediatric Dysphagia
  - 1.1.1. Infant Swallowing Maturation
  - 1.1.2. Warning Signs in Pediatric Dysphagia
  - 1.1.3. Pediatric Dysphagia Assessment Scales
  - 1.1.4. Particularities in the Assessment of Pediatric Dysphagia
- 1.2. Dysphagia Due to Congenital Brain Injury
  - 1.2.1. Pediatric Cerebral Palsy
  - 1.2.2. Hypoxic- Ischemic Encephalopathy
  - 1.2.3. Genetic Syndromes
  - 1.2.4. Conclusions
- 1.3. Dysphagia Due to Acquired Brain Damage
  - 1.3.1. Cranioencephalic Trauma
  - 1.3.2. Central Nervous System Infections
  - 1.3.3. Infant Stroke
  - 1.3.4. Tumours
- 1.4. Dysphagia Due to Craniofacial Anomalies
  - 1.4.1. Craniofacial Development
  - 1.4.2. Craniofacial Developmental Anomalies
  - 1.4.3. Congenital Craniofacial Anomalies
  - 1.4.4. Acquired Craniofacial Anomalies
- 1.5. Dysphagia Due to Respiratory Pathologies
  - 1.5.1. Laryngomalacia
  - 1.5.2. Bronchopulmonary Dysplasia
  - 1.5.3. Tracheomalacia
  - 1.5.4. Subglottic Stenosis
- 1.6. Dysphagia Associated with Neurodegenerative Diseases
  - 1.6.1. Diseases with Metabolic Origin
  - 1.6.2. Neuromuscular Diseases
  - 1.6.3. Rett Syndrome
  - 1.6.3. Conclusions





- 1.7. Dysphagia Associated to Esophageal Causes
  - 1.7.1. Gastroesophageal Reflux
  - 1.7.2. Eosinophilic Esophagitis
  - 1.7.3. Crohn's Disease
  - 1.7.4. Esophageal Foreign Body
- 1.8. Dysphagia Due to Infectious Diseases
  - 1.8.1. Epiglottitis
  - 1.8.2. Retropharyngeal Abscess
  - 1.8.3. Tetanus
  - 1.8.4. Diphtheria
- 1.9. Other Causes Associated with Pediatric Dysphagia
  - 1.9.1. Oral Pathology
  - 1.9.2. Sialorrhea
  - 1.9.3. Aspirative Syndrome
  - 1.9.4. Medication
- 1.10. Complications of Dysphagia
  - 1.10.1. Malnutrition and Dehydration
  - 1.10.2. Respiratory Problems
  - 1.10.3. Psycho-Affective Alteration
  - 1.10.4. Oral Hygiene



*Get a theoretical-practical and current view on the main complications of Dysphagia in children"*

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.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Certificate in Pediatric Dysphagia 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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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Pediatric Dysphagia** 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 Pediatric Dysphagia**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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



## Postgraduate Certificate Pediatric Dysphagia

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