

# Postgraduate Certificate

## Feeding Disorders in Cerebral Palsy





## Postgraduate Certificate Feeding Disorders in Cerebral Palsy

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

Website: [www.techitute.com/pk/medicine/postgraduate-certificate/feeding-disorders-cerebral-palsy](http://www.techitute.com/pk/medicine/postgraduate-certificate/feeding-disorders-cerebral-palsy)

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# 01

# Introduction

People with Cerebral Palsy are prone to suffer from pathologies such as Dysphagia or Gastroesophageal Reflux, which limit their swallowing of food or cause damage to their esophagus. Their serious repercussions have prompted the development of nutritional plans based on the latest scientific evidence to alleviate the effects of these diseases and enhance the patient's quality of life. and enhance the patient's quality of life. Given their benefits, physicians who wish to be at the forefront of their profession should be aware of them at the forefront of their profession should be aware of them, which is why TECH has designed this program. Throughout the course, they will identify the most recent keys to adapted oral nutrition, or detect the most sophisticated textured foods. or detect the most sophisticated textured foods, 100% online and from their own home. their own home.



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*Learn, with this degree, the most updated techniques for adapting the texture and consistency of food to the needs of patients with Cerebral Palsy”*

Cerebral palsy is a disease that, on numerous occasions, causes swallowing and tolerance problems for a wide range of foods in people who suffer from it. In this line, the inadequate capacity to ingest food can lead to choking, vomiting or nausea, thus making it impossible to meet the individual's nutritional requirements. For this reason, in recent years, avant-garde methods have been developed to improve the patient's postural management or the procedure for introducing food in order to optimize their nutritional intake and promote their wellbeing. Given the advantages offered by these techniques, the specialist must identify them adequately in order to have an excellent professional to have an excellent professional update.

For this reason, TECH has promoted the creation of this degree, through which the student will learn the latest advances regarding feeding disorders in Cerebral Palsy and its appropriate treatment. Throughout this academic period, you will detect the most effective and innovative strategies to combat coughing during the feeding process or identify the sophisticated diagnostic methods that allow the diagnosis of swallowing disorders. It will also analyze the different techniques used today to adapt the consistency of food to the needs of the individual.

Since this program is developed through a 100% online methodology, the specialist will be able to combine his or her exquisite learning with his or her work and personal tasks. In addition, this Diploma is designed and taught by the best experts in Logopedic Neurorehabilitation and Vital Functions Analysis, so that the knowledge acquired regarding Feeding Disorders in Cerebral Palsy will have full professional applicability.

This **Postgraduate Certificate in Feeding Disorders in Cerebral Palsy** 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 and Speech Therapy Neuropsychology
- ♦ 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 the self-assessment process can be carried out 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



*This course will allow you to identify the state-of-the-art diagnostic methods that favor the detection of swallowing disorders in patients with cerebral palsy. in patients with Cerebral Palsy"*

“

*The 100% online methodology inherent to this degree will boost your learning without having to rely on tight schedules”*

The program's teaching staff includes professionals from the industry who contribute their work experience to this 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 academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Combine your professional and personal life with your teaching thanks to the study facilities offered by TECH.*

*Get, through this program, the most recent news and the latest clues regarding adapted oral nutrition.*





# 02 Objectives

TECH has designed this Diploma with the intention of providing the specialist with updated knowledge on feeding disorders in Cerebral Palsy in only 6 weeks. In this way, you will identify the latest scientific evidence regarding the nutritional needs of people with various congenital neurological disorders. In addition, their learning will be Preserve the achievement of the following general and specific objectives.





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*In just 6 weeks, you will receive an up to date of your knowledge in Cerebral Palsy Feeding Disorders that will put you at the forefront of your professional sector”*



## General Objectives

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- ♦ Develop a broad body of knowledge of the anatomical and functional basis of the central and peripheral nervous system
- ♦ Study the anatomy and function of the organs involved in basic functions such as respiration, phonation and swallowing
- ♦ Acquire knowledge in both assessment and speech therapy intervention
- ♦ Delve into rehabilitation techniques supported by clinical practice
- ♦ Develop intervention skills , acquired from complementary disciplines such as neuropsychology, physiotherapy and psychology
- ♦ Become proficient in the assessment, diagnosis and treatment of neurofunctional and logopedic disorders in specific groups with neurodevelopmental or syndromic disorders
- ♦ Know various approaches and intervention programs in neurological and speech therapy neurorehabilitation





### Specific Objectives

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- ♦ Develop skills that favor the assessment of orofacial system alterations in congenital neurological disorders
- ♦ Favor the quality of life of neurological patients by improving their eating habits
- ♦ Broaden knowledge and consolidate the bases of infantile gold motor functioning
- ♦ Create programs for new habits and routines directly related to special needs student diets in order to improve their quality of life both at a personal and a social level
- ♦ Improve the intake quality in Parent-Child Interaction (PCI) during feeding to offer greater safety and efficiency in each intake



*Incorporate into your medical practice the latest advances in feeding disorders in Cerebral Palsy through this TECH degree"*

03

# Course Management

In order to offer first class academic programs to its students, TECH has selected for this degree a teaching team made up of reference experts who are actively practicing in the field of Speech Therapy Neurorehabilitation and Vital Functions Analysis. These professionals are themselves in charge of the elaboration of the didactic resources available during the duration of this academic experience. For this reason, the contents provided to the specialist will be fully in tune with the latest developments in this sector.





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*This teaching staff will provide you with the most professionally applicable knowledge in the area of Feeding Disorders in Cerebral Palsy”*

## Management



### Dr. Borrás Sanchís, Salvador

- Psychologist, Teacher and Speech Therapist
- Educational Counselor at Generalitat Valenciana, Consejería de Educación (Valencian Regional Government)
- Abile Education Specialist
- Partner of Avance SL
- Pedagogical Advisor and External Collaborator of Aula Salud (an organization to promote health in the classroom)
- Pedagogical Director in iteNlearning
- Author of "*La Guide for the Reeducation of Atypical Swallowing and Associated Disorders*"
- Pedagogical Director in the Instituto DEIAP (Institute for Comprehensive Development and Psychoeducational Care)
- Degree in Psychology
- Hearing and Speech Teacher
- Diploma in Speech Therapy

**Ms. Santacruz García, Estefanía**

- ♦ Social integrator and clinical speech therapist at Uner La Clinic
- ♦ Teacher at CEFIRE
- ♦ Specialist in Orofacial and Myofunctional Therapy

**Professors****Ms. Álvarez Valdés, Paula del Carmen**

- ♦ Specialist in Diagnosis and Treatment of Early Childhood Care
- ♦ Clinical Speech Therapist Specialist in Myofunctional Therapy
- ♦ Diploma in Psychodiagnosis and Early Care Treatment
- ♦ Direct collaboration in Dental Office
- ♦ Graduate in Speech Therapy
- ♦ Master's Degree in Special Education and in Foreign Languages from the Pontifical University of Salamanca
- ♦ ISEP Master's Degree in Myofunctional Therapy

**Ms. Jiménez Jiménez, Ana**

- ♦ Clinical Neuropsychologist and Social Worker
- ♦ Clinical Neuropsychologist at Integra Cerebral Damage
- ♦ Neuropsychologist at UNER Clinic
- ♦ Educator of the Social Action Team Murcia in Cáritas Spain
- ♦ Degree in Social Work at the University of Murcia
- ♦ Degree in Psychology from the National Distance Education University(UNED)
- ♦ Master's Degree in Clinical Neuropsychology from the European University Miguel de Cervantes
- ♦ Master's Degree in Management and Administration from the National University of Distance Education (UNED)

**Dr. Carrasco de Larriva, Concha**

- ♦ Expert in Cognitive Rehabilitation and Clinical Neuropsychology
- ♦ Psychologist at PEROCA
- ♦ Clinical Neuropsychologist accredited by the General Council of Psychology in Spain
- ♦ Assistant Professor of the Department of Psychology at the Catholic University San Antonio of Murcia
- ♦ Master's Degree in Clinical Neuropsychology by the Spanish Association of Clinical Cognitive Behavioral Psychology
- ♦ Expert in Child and Cognitive Rehabilitation by the Francisco de Vitoria University
- ♦ Postgraduate degree in Cognitive Rehabilitation from ISEP
- ♦ Degree in Psychology from the University of Granada
- ♦ Qualified for the assessment of Autism with the Autism Diagnostic Observation Scale ADOS

**Ms. Gallego Díaz, Mireia**

- ♦ Hospital Speech Therapist
- ♦ Occupational Therapist
- ♦ Speech Therapist Expert in Swallowing Disorders

**Ms. García Gómez, Andrea MARÍA**

- ♦ Speech therapist specialized in Acquired Brain Injury Neurorehabilitation
- ♦ Speech therapist at UNER Clinic
- ♦ Speech therapist at Integra Brain Injury
- ♦ Speech therapist at Ineuro
- ♦ Graduate in Speech Therapy
- ♦ Master's Degree in Speech Therapy Neurorehabilitation in Acquired Brain Injury

**Ms. López Samper, Belén**

- ♦ General Health Psychology and Clinical Neuropsychologist
- ♦ Psychologist at the Alcaraz Institute
- ♦ Psychologist at IDEAT Center
- ♦ Neuropsychologist at the UNER Clinic - Comprehensive Evaluation and Rehabilitation of Brain Injury
- ♦ Specialized in Child and Adult Neurorehabilitation at Centro Integral de Daño Cerebral
- ♦ Master's Degree in Special Educational Needs and Early Childhood Care, Developmental and Child Psychology from the International University of Valencia
- ♦ Master's Degree from Clinical Neuropsychology by the Spanish Association of Clinical Cognitive Behavioral Psychology(AEPCCC)
- ♦ Master's Degree from General Health Psychology from the University of Valencia
- ♦ Bachelor in Psychology from the Miguel Hernández University of Elche

**Ms. Martín Bielsa, Laura**

- ♦ Director of Multidisciplinary Center Dime Más
- ♦ CFP Estill Voice Training
- ♦ Degree in Speech Therapy
- ♦ Graduate in Teaching
- ♦ Dean of the Professional Association of Speech Therapists of Aragon

**Ms. Muñoz Boje, Rocío**

- ♦ Occupational Therapist Specialist in Neurorehabilitation in the Uner Clinic
- ♦ Degree in Occupational Therapy



**Ms. Navarro Marhuenda, Laura**

- ♦ Neuropsychologist at Kinemas Center
- ♦ Specialist in Child and Adult Neurorehabilitation at Centro Integral de Daño Cerebral
- ♦ Master's Degree in Speech in Neurorehabilitation and Vital Function Analysis
- ♦ Neuropsychologist at INEURO
- ♦ Neuropsychologist at Uner La Clinic
- ♦ Degree in Psychology from the Miguel Hernández University of Elche
- ♦ Master's Degree in Health Psychology from the Miguel Hernández University of Elche
- ♦ Master's Degree in Clinical Neuropsychology from the European University Miguel de Cervantes
- ♦ Master's Degree in Pediatric Neurology and Neurodevelopment by CEU Cardena Herrera University

**Ms. Santacruz García, Raquel**

- ♦ Specialist in Pedagogy and Nutrition
- ♦ Dietician of the Hispanic Ballet Company
- ♦ Dancer at the Andalusian Dance Center
- ♦ Graduate in Human Nutrition and Dietetics by the Catholic University San Antonio
- ♦ Specialist in Dance Pedagogy by the Theatre Institute of Barcelona
- ♦ Intermediate Degree in Classical Dance at the Conservatory of Murcia

**Mr. Santacruz García, José Luis**

- ♦ Psychologist specializing in Congenital and Acquired Brain Injury

**Ms. Sanz Pérez, Nekane**

- ♦ Clinical Speech Therapist specialized in Acquired Cerebral Palsy
- ♦ Teacher in Iberocardio for Aspace (Main Confederation and Entity for Cerebral Palsy Care in Spain)

**Ms. Selva Cabañero, Pilar**

- ♦ Nurse Specialist in Obstetric - Gynecological Nursing (Midwife)}
- ♦ Obstetric - Gynecological Nursing Teaching Unit, University of Murcia
- ♦ Santa Lucía General University Hospital
- ♦ Publication, *Ankyloglossia and the Success of Breastfeeding*, ISBN13: 978- 84- 695- 5302- 2. 2012



*Take the step to get up to date on  
the latest developments in Feeding  
Abnormalities in Cerebral Palsy"*

# 04

## Structure and Content

The syllabus of this degree is made up of 1 very complete module through which the specialist will update their knowledge in relation to feeding disorders in Cerebral Palsy. Likewise, the didactic Material available throughout this Postgraduate Certificate are present in a wide number of textual and multimedia formats. Thanks to this and to its 100% online methodology, you will be able to adapt your learning to your study preferences, without having to stick to uncomfortable pre-established schedules.



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*This curriculum is designed by the best experts in Cerebral Palsy Feeding Disorders to provide you with the most up-to-date didactic content in the field”*



## Module 1. Dietary Alteration in Congenital Neurological Disorder

- 1.1. Dietary Alteration in Congenital Neurological Disorder. Part 1
  - 1.1.1. Cerebral Palsy and Oropharyngeal Dysphagia
  - 1.1.2. Major feeding-related problems associated with cerebral palsy with cerebral palsy
  - 1.1.3. Abnormalities of Neuromuscular Function
  - 1.1.4. Sensory disturbances
  - 1.1.5. Structural alterations involved in the swallowing process
  - 1.1.6. Behavioral Alterations
  - 1.1.7. Orofacial motor disturbances
- 1.2. Dietary Alteration in Congenital Neurological Disorder. Part 2
  - 1.2.1. Disorders Structural of the Oral Cavity
  - 1.2.2. Ogival palate
  - 1.2.3. Malocclusions
  - 1.2.4. Disorders Temporomandibular Joint (TMJ)
  - 1.2.5. Alterations in oral health
  - 1.2.6. Respiratory Problems
  - 1.2.7. No cough reflex or ineffective coughing
  - 1.2.8. Respiratory infections associated with aspiration
  - 1.2.9. Bibliography
- 1.3. Safety and Efficacy Disorders swallowing Main signs present in people with in people with Cerebral Palsy
  - 1.3.1. Alterations in efficiency
  - 1.3.2. Security disturbances
  - 1.3.3. Signs evident at the time of ingestion
  - 1.3.4. Signs not evident at the time of ingestion
  - 1.3.5. Model of action in the presence of swallowing disturbances
- 1.4. Human Nutrition and Dietetics
  - 1.4.1. Symptomatology of malnutrition and dehydration
  - 1.4.2. Consequences of malnutrition and dehydration
  - 1.4.3. Diseases Caused by Heat
  - 1.4.4. Malnutrition/malnutrition *Screening* Scales
  - 1.4.5. Importance of the role of the nutritionist







- 1.5. Feeding in people with Cerebral Palsy and related disorders with high support needs with dysphagia
  - 1.5.1. Importance of interdisciplinary work in the feeding of the person with CP with dysphagia
  - 1.5.2. Types of feeding in people with Cerebral Palsy and disabilities with high support needs
  - 1.5.3. Aspects Adapted Oral feeding
  - 1.5.4. The evolution towards adaptations in food texture and consistency
  - 1.5.5. Texturized Foods
  - 1.5.6. Main differences with respect to Turmix diet
  - 1.5.7. What does the implementation of texturing involve?



*Take this program and enjoy a pleasant and personalized learning experience, adapted to your study preferences through multimedia or textual didactic formats”*

# 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.





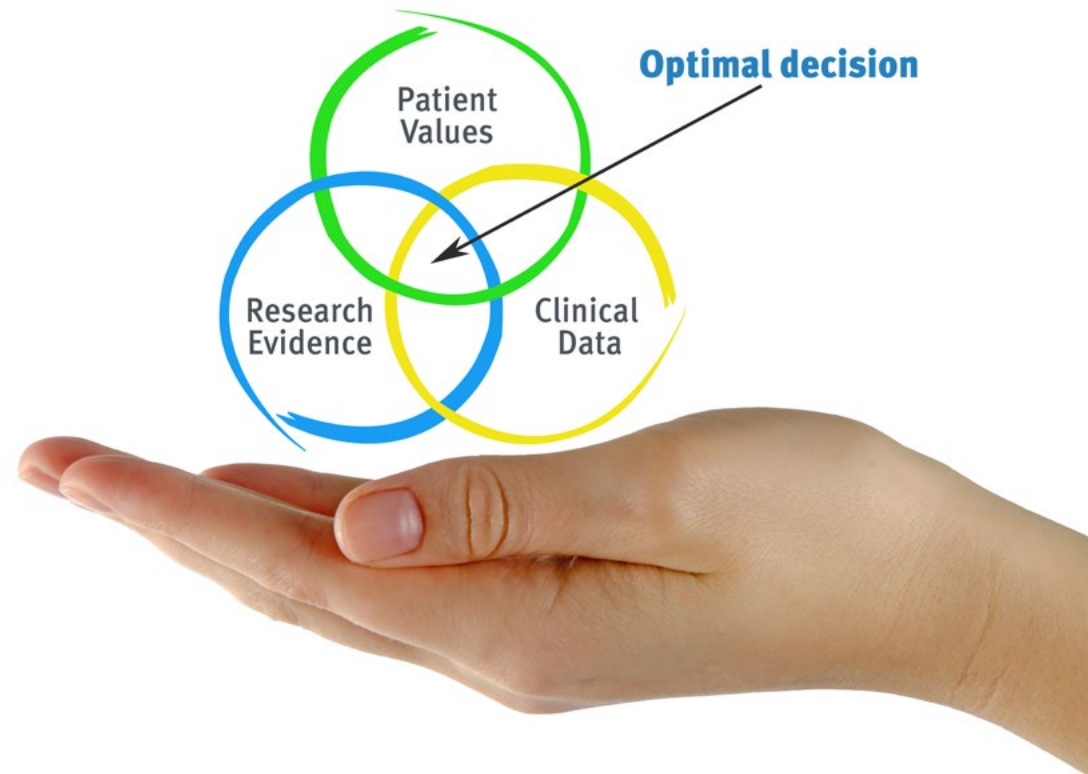
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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. Gervas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching 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

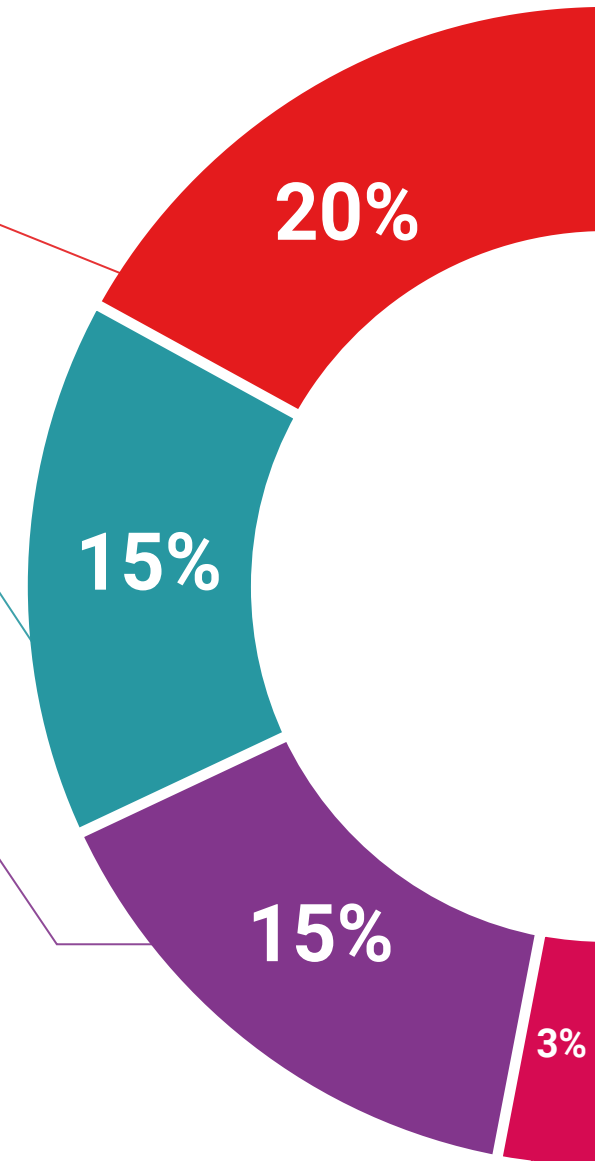
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.







# 06 Certificate

The Postgraduate Certificate in Feeding Disorders in Cerebral Palsy guarantees, in addition to the most rigorous and updated training, access to a Diploma degree issued by TECH Technological University.



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

This **Postgraduate Certificate in Feeding Disorders in Cerebral Palsy** contains the most complete and up-to-date scientific on the market.

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

The certificate issued by **TECH Technological University** will 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 Feeding Disorders in Cerebral Palsy**

Official N° of Hours **175 h.**



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





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