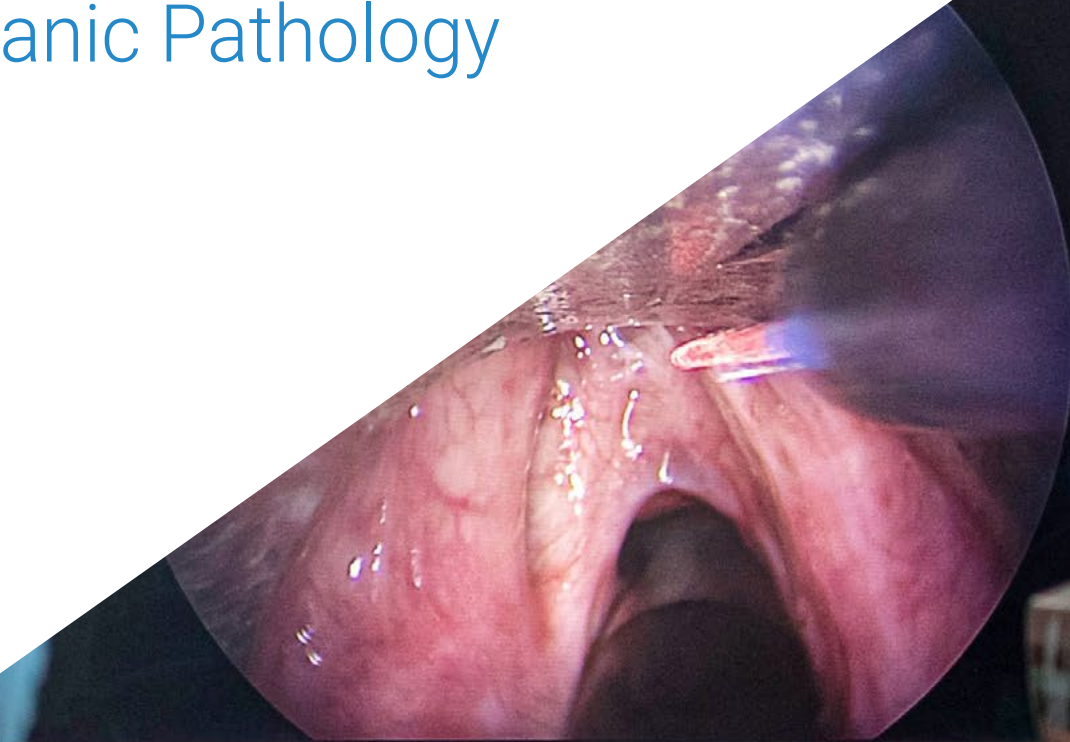


Postgraduate Certificate

Dysphagia Due to Organic Pathology



STORZ
KARL STORZ - ENDOSKOPE

tech global
university



Postgraduate Certificate

Dysphagia Due to Organic Pathology

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/dysphagia-due-organic-pathology

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01

Introduction

Dysphagia Due to Organic Pathology can have a significant impact on the quality of life and well-being of those who suffer from it. For example, the presence of obstructions or narrowing in the esophagus requires medical or surgical interventions. Furthermore, patients may experience anxiety when eating in public, avoid social gatherings involving food, or feel frustrated by the associated difficulties. With this in mind, it is vital that the treating physician is up-to-date on the latest techniques for the proper treatment of this condition. For this reason, TECH has developed a 100% online program that will allow the professionals to access at any time and place, since they will only need an electronic device with an internet connection.





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You will address Dysphagia in cases of infectious pathologies and systemic diseases, based on the latest evidence”

Organic Dysphagia has a significant impact on the ability to swallow and consume food safely, due to the physical condition of the patient's esophagus. Affected individuals may experience difficulties in obtaining necessary nutrients, resulting in weight loss, nutritional deficiencies and general weakness. In addition, this physical condition can generate feelings of isolation and social exclusion.

In this sense, it is essential for medical personnel to be aware of the most recent advances in this field, in order to make an accurate diagnosis and take preventive measures to minimize risks and ensure safe feeding. In response to this need, TECH has developed the Diploma in Dysphagia Due to Organic Pathology, which will allow professionals to be at the forefront of the impact of this anomaly. In this way, comprehensive learning will be ensured to effectively address this situation.

In order to achieve this objective, the program is offered in a 100% online format with high quality materials. All this gathered in a virtual library that will be available at any time and place, without restrictions. This methodology, combined with the application of the Relearning approach developed by TECH, will ensure that the student acquires knowledge in a more efficient way and with better results, minimizing their effort.

This **Postgraduate Certificate in Dysphagia Due to Organic Pathology** 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



You will discover how cervical trauma, musculoskeletal alterations and esophageal diseases can influence swallowing, thanks to this Postgraduate Certificate that only TECH can offer you"

“

You will have at your disposal interactive summaries and a whole series of multimedia resources that will help you with your update on lower esophageal sphincter disorders”

Thanks to TECH, you will dive into the study of Dysphagia related to oropharyngeal cancer, thyroid gland and esophageal tumors.

In just 6 weeks you will learn about Dysphagia in patients undergoing laryngectomy, tracheostomy and radiotherapy.

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.



02 Objectives

The main objective of this program is to provide physicians with state-of-the-art tools that will enable them to effectively diagnose, treat, and manage this condition. This will not only improve patient care, but will also help prevent complications and optimize the quality of life of those suffering from this condition. To achieve this, TECH provides students with a series of multimedia resources that will support them in their constant updating without being limited to a fixed schedule.





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You will delve into upper airway anatomy, assess neuromuscular disorders and how head and neck cancer affects swallowing”



General Objectives

- 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

- Inquire into dysphagia due to Organic Pathology
- Describe the causes and anatomical or structural alterations that can lead to swallowing difficulties
- Establish state-of-the-art diagnostic tests and evaluations

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You will explore the impact of tracheostomy and manage respiratory complications by learning techniques and strategies for safe feeding”

03

Course Management

The program stands out for the quality of its content and the excellence of its teachers. For this reason, TECH has carried out a rigorous selection process for each of the professionals who will teach this Postgraduate Certificate. As a result, graduates will be guaranteed access to a program that meets their updating needs, taught by specialists with extensive experience in the management of patients with Dysphagia.





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With this Postgraduate Certificate, you will acquire knowledge about chronic respiratory diseases, COPD, pulmonary fibrosis and muscular dystrophy"

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

- 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



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

Management



Dr. 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, and 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



04

Structure and Content

The syllabus that is part of this program will address a wide range of concepts related to Dysphagia, highlighting various pathologies and conditions that can cause swallowing disorders. During the 6 weeks of this Postgraduate Certificate, the professional will explore various aspects such as infectious diseases, systemic and neuromuscular alterations. It will also focus on the impact of tracheostomy, respiratory complications, feeding management and specific techniques. All this brought together in a series of multimedia materials such as interactive summaries, which will make for a unique learning experience.





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With the Relearning method, you will reduce your study hours and strengthen your understanding in the long run"

Module 1. Dysphagia Due to Organic Pathology

- 1.1. Dysphagia Associated with systemic Pathology
 - 1.1.1. Specific and Nonspecific Infectious Pathology
 - 1.1.2. Systemic Diseases and Dysphagia
 - 1.1.3. Swallowing Disorders Associated with Neuromuscular Processes
 - 1.1.4. Conclusions
- 1.2. Dysphagia Associated with Local Processes
 - 1.2.1. Cervical Trauma
 - 1.2.2. Musculoskeletal Degeneration and Dysphagia
 - 1.2.3. Esophageal Alterations and Dysphagia
 - 1.2.4. Extrinsic Dysphagia
- 1.3. Dysphagia Associated with Oncologic Pathology
 - 1.3.1. Oropharyngeal Oncologic Pathology and Dysphagia
 - 1.3.2. Dysphagia Associated with Pathology of the Thyroid Gland
 - 1.3.3. Dysphagia in Esophageal Tumor Pathology
 - 1.3.4. Conclusions
- 1.4. Dysphagia after Cervical Surgery Irradiated Patient
 - 1.4.1. Dysphagia in Total-Partial Laryngectomy
 - 1.4.2. Dysphagia in the Tracheostomized Patient
 - 1.4.3. Post-Radiotherapy Dysphagia
 - 1.4.4. Conclusions
- 1.5. Lower Esophageal Sphincter Disorder
 - 1.5.1. Sphincter Anatomy
 - 1.5.2. Sphincter Physiology
 - 1.5.3. Sphincter Alterations
 - 1.5.4. GERD
- 1.6. Upper Airway Injuries and Dysphagia
 - 1.6.1. Upper Airway Anatomy
 - 1.6.2. Clinical Assessment
 - 1.6.3. Neuromuscular Disorders
 - 1.6.4. Head and Neck Cancer





- 1.7. Dysphagia and Tracheostomates
 - 1.7.1. Impact of Tracheostomy on Swallowing
 - 1.7.2. Respiratory Complications.
 - 1.7.3. Diet Management
 - 1.7.4. Techniques and Strategies
- 1.8. Dysphagia in Respiratory Diseases
 - 1.8.1. Chronic Respiratory Diseases
 - 1.8.2. COPD
 - 1.8.3. Pulmonary Fibralgia
 - 1.8.4. Muscular dystrophy
- 1.9. Dysphagia in Infections or Other Organic Diseases
 - 1.9.1. Upper Respiratory Tract
 - 1.9.2. Lower Respiratory Tract
 - 1.9.3. Gastrointestinal Tract
 - 1.9.4. Esophageal Diseases
- 1.10. Dysphagia Related to Muscular Diseases
 - 1.10.1. Duchenne Muscular Dystrophy
 - 1.10.2. Duchenne Muscular Dystrophy
 - 1.10.3. Waist Muscular Dystrophy
 - 1.10.4. Myotonic Muscular Dystrophy Type 1



*Take the step to get up-to-date
on the latest developments in
Dysphagia due to Organic Pathology"*

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 Dysphagia Due to Organic Pathology 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 Dysphagia Due to Organic Pathology** 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 Dysphagia Due to Organic Pathology**

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.



Postgraduate Certificate

Dysphagia Due to Organic Pathology

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Postgraduate Certificate

Dysphagia Due to Organic Pathology

