

Postgraduate Certificate

Diagnostic Procedures in Dysphagia





Postgraduate Certificate Diagnostic Procedures in Dysphagia

- » 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/diagnostic-procedures-dysphagia

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

Several scientific studies on Dysphagia have allowed a constant evolution in the understanding of its etiology. Furthermore, technological advances have improved the equipment used to perform diagnostic tests and obtain more accurate evaluations. A set of progresses that join the impulse of collaborative work between specialists from different areas involved in the treatment of this disorder. For this reason, TECH has designed this 6-week program that brings together the most rigorous information and the latest scientific evidence on the most effective procedures for the detection of swallowing problems, with innovative multimedia teaching materials, developed by a distinguished team of professionals, experts in this field.





“

Get up-to-date in just 6 weeks on the latest and most effective Diagnostic Procedures in Dysphagia"

In recent years there has been an important advance in techniques that help to identify specific anomalies and difficulties in the different phases of swallowing. In this way, thanks to these advances, videofluoroscopy, endoscopy and instrumental tests can provide much more accurate diagnoses.

In this context, medical professionals, constantly updating their knowledge, have integrated these advances into their practice, while incorporating new interdisciplinary work methods to improve the results of the therapies applied to each patient. Faced with this reality, TECH has decided to develop this Postgraduate Certificate in Diagnostic Procedures in Dysphagia, which offers a very precise and rigorous update in just 6 weeks.

The syllabus is structured to offer the specialist the most recent and reliable studies on the etiology of this disorder, as well as the methods used for its detection. It also leads the graduate to delve into the work of speech therapists, physiotherapists, otorhinolaryngologists or gastroenterologists. In this way, you will get a much broader and more comprehensive view in the care of the patient with this disorder.

For this, you will have videos in detail, specialized readings and clinical case studies, hosted in the Virtual Library of this program. Thanks to the extensive teaching material you will get a much more complete and effective update.

This is undoubtedly an excellent opportunity to keep abreast of achievements in this area through a program that is characterized by its flexibility and convenience. The students only need an electronic device with an Internet connection to view, at any time of the day, the content hosted on the virtual platform. In this way, you have an educational option that is compatible with your most demanding responsibilities.

This **Postgraduate Certificate in Diagnostic Procedures in 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



TECH responds to the real needs of professionals, which is why it has created a flexible and 100% online program"

“

Get up-to-date on Dysphagia associated with other diseases from the convenience of a 100% online format"

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

Thanks to TECH's efficient Relearning methodology, you will not have to invest long hours in studying and you will focus on the most important concepts.

You will delve into the most rigorous studies that address the relationship between Dysphagia and other oral functions.



02 Objectives

Upon completion of this university program, the graduate will have achieved to enhance their skills and abilities to perform much more accurate diagnosis of Dysphagia. All of this, thanks to the theoretical and practical approach of this program, designed and developed by an excellent multidisciplinary team. Moreover, in order to further the achievement of this goal, the students will be able to answer any questions they may have about the content of this program.



“

You have at your disposal clinical cases, multimedia pills and extensive material to keep you up-to-date on progress in the diagnosis of Dysphagia"



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

- ◆ Describe the normal physiology of swallowing
- ◆ Identify the causes and etiologies of Dysphagia
- ◆ Inquire about the symptoms and signs of Dysphagia
- ◆ Delve into clinical evaluation techniques



Delve, comfortably, from your digital device with Internet connection, into the advances in clinical evaluation techniques for patients with swallowing problems"

03

Course Management

The quality of the content and the excellent teachers distinguish this program. To this end, TECH has carried out a thorough selection process for each and every one of the professionals who teach this program. In this way, the graduate has the guarantee of accessing a program that responds to their needs of updating and, in addition, from the hand of real specialists in Speech Therapy and Otolaryngology with extensive experience in dealing with patients with Dysphagia.





“

Solve any questions you may have about the content of this syllabus with distinguished professionals in the field of Speech Therapy and Otolaryngology”

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



“

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

04

Structure and Content

The effectiveness of the Relearning method has led TECH to incorporate it in all its programs. In this way, through this system, based on the reiteration of key content, the graduate will be able to focus on key concepts and reduce the long hours of memorization. In this way, the students will achieve in only 6 weeks a complete update of their knowledge about the Diagnostic Procedures in Dysphagia. In addition, it will have an extensive Multimedia Resource Library, accessible 24 hours a day, 7 days a week.



A close-up photograph of a hand holding a textured, brownish surface, possibly a book cover or a piece of fabric. The hand is positioned in the lower-left quadrant of the page, with fingers slightly curled. The background is a solid blue color that transitions into a white area where the quote is located.

“

A plan of studies that will allow you to get a complete update on Dysphagia through the most innovative multimedia teaching material"

Module 1. Etiology and diagnosis of Dysphagia

- 1.1. Dysphagia Impaired Nonverbal Oral Function
 - 1.1.1. Altered Nonverbal Dysphagia
 - 1.1.2. Non-Verbal Oral Function: Swallowing
 - 1.1.3. Physiological Phases of Swallowing
 - 1.1.4. Oropharyngeal Dysphagia and Its Impact on Nonverbal Oral Function
- 1.2. Differential Diagnosis of Dysphagia
 - 1.2.1. Normal Swallowing
 - 1.2.2. Pathological Swallowing
 - 1.2.3. Painful Swallowing: Odynophagia
 - 1.2.4. Pharyngeal Globe
- 1.3. Classification of Dysphagia
 - 1.3.1. Types of Dysphagia
 - 1.3.2. Oropharyngeal Dysphagia
 - 1.3.3. Esophageal Dysphagia
 - 1.3.4. Functional Dysphagia
- 1.4. Causes of Dysphagia
 - 1.4.1. Causes of Oropharyngeal Dysphagia
 - 1.4.2. Causes of Esophageal Dysphagia
 - 1.4.3. Causes of Psychogenic Dysphagia
 - 1.4.4. Causes Latrogenic
- 1.5. Dysphagia Associated with Other Diseases
 - 1.5.1. Neurological Disorders
 - 1.5.2. Muscular Diseases
 - 1.5.3. Organic Diseases
 - 1.5.4. Infectious Diseases
 - 1.5.5. Functional Diseases
- 1.6. Complications Associated with Dysphagia
 - 1.6.1. Decreased Swallowing Efficiency
 - 1.6.1.1. Undernourishment
 - 1.6.1.2. Dehydration
 - 1.6.2. Decreased Swallowing Safety
 - 1.6.3. Dependency and Increased Care
 - 1.6.4. Complications Arising from the Use of Artificial Nutrition





- 1.7. Interdisciplinarity in the Treatment of Dysphagia
 - 1.7.1. O.R.L
 - 1.7.2. Digestive System
 - 1.7.3. Physiotherapy
 - 1.7.4. Speech Therapy
- 1.8. Dysphagia and Other Verbal and Nonverbal Oral Functions
 - 1.8.1. Breathing
 - 1.8.2. Salivation
 - 1.8.3. Chewing
 - 1.8.4. Breathing
 - 1.8.5. Voice
 - 1.8.6. Speech
- 1.9. Dysphagia and Family Environment
 - 1.9.1. Changes in Eating Habits
 - 1.9.2. Guidelines for the Management of Dysphagia in the Family
 - 1.9.3. Social Impact and Dysphagia
 - 1.9.4. Conclusions
- 1.10. Dysphagia and Neuropsychological Status of the Patient and Environment
 - 1.10.1. Psychological Status of the Patient with Dysphagia
 - 1.10.2. Psychological State of the Family
 - 1.10.3. Neuropsychological Status of the Patient
 - 1.10.4. Executive Functions in the Patient with Dysphagia



An educational proposal that brings you up-to-date on progress in understanding the neuropsychological status of the patient with Dysphagia"

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.



“

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.

“

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 Diagnostic Procedures in Dysphagia guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





“

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 Diagnostic Procedures in 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 Diagnostic Procedures in 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
development languages
virtual classroom



Postgraduate Certificate
Diagnostic Procedures
in Dysphagia

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

Postgraduate Certificate

Diagnostic Procedures in Dysphagia

