

Postgraduate Certificate

Pediatric Brain Tumors

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Postgraduate Certificate Pediatric Brain Tumors

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/pediatric-brain-tumors

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01

Introduction

The field of Neuro-Oncology is evolving rapidly, with promising ongoing research that has the potential to influence clinical management in the short- to medium-term future. Many important advances have been reported recently, and other promising research will substantially impact the field in the coming years, especially in the areas of high-grade gliomas and brain metastases. This program presents an overview of the current state of the field, highlighting the most recent key advances that will influence clinical management.



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Improve your knowledge in Pediatric Brain Tumors through this program, where you will find the best teaching material with real clinical cases. Learn here about the latest advances in the specialty to be able to provide quality medical care"

In this way, we analyze the diagnostic and therapeutic management of both primary and metastatic brain tumors. We will discuss current technologies used for the resection of gliomas, such as awake craniotomy, fluorescence-guided surgery, neuronavigation, neuroendoscopy, among many others.

Another advance that will be widely seen comes from the field of genomics whose advances have made it possible to learn that more than half of pediatric brain tumors have genetic abnormalities that could help in diagnosis or treatment, which is reflected in the recent decision of the World Health Organization to classify such tumors by genetic alterations, rather than by tumor type. Therefore, precision medicine for pediatric brain tumors is now a reality, and possibly in the near future also for adult brain tumors.

Finally, another topic that we will analyze in this Postgraduate Certificate is immunotherapy, highlighting some relevant ones and gaining ground in other tumors. Immunotherapy has shown promise for the treatment of glioblastoma multiforme. This is because glioblastoma multiforme exhibits powerful adaptive capabilities, a relative lack of immunogenicity, an immunosuppressive tumor microenvironment and intratumoral heterogeneity. Therefore, experts agree that immune-targeted therapies are likely to play a central role in improving the durability of treatment. To date, clinical trials of several vaccine therapies using autologous tumor antigens or specific tumor-associated antigenic peptides with adjuvants have been conducted to treat patients with high-grade gliomas. Therefore, immunotherapy, especially combination therapy, may be a promising strategy for the treatment of patients with brain tumors.

In short, many concepts are currently being investigated that are expected to have a positive influence on the therapeutic treatment of metastatic and primary tumors of the central nervous system, and which TECH will discuss since many have already been integrated into routine clinical practice and others will soon form part of the wide range of options in the broad diagnostic or therapeutic arsenal existing today.

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

- ♦ More than 75 clinical cases presented by experts in Pediatric Brain Tumors.
- ♦ 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.
- ♦ Diagnostic and therapeutic innovations on evaluation, diagnosis and intervention in Pediatric Brain Tumors. It contains practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Iconography of clinical and diagnostic imaging tests
- ♦ With special emphasis on evidence-based medicine and research methodologies in Pediatric Brain Tumors.
- ♦ With special emphasis on evidence-based medicine and research methodologies in Pediatric Brain Tumors.
- ♦ All of this will be complemented by 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.



Update your knowledge through this Postgraduate Certificate in Pediatric Brain Tumors”

“

This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Pediatric Age Brain Tumors, you will obtain a qualification from TECH Technological University"

Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.

Take the opportunity to learn about the latest advances in Pediatric Brain Tumors and improve patient care.

The teaching staff includes professionals from the field of Pediatric Brain Tumors, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

This program's design focuses on Problem-Based Learning, through which physicians must try to solve the different professional practice situations that arise during the academic year. For this purpose, physicians will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of Pediatric Brain Tumors with extensive teaching experience.



02

Objectives

The Postgraduate Certificate in Pediatric Brain Tumors is aimed at facilitating physician performance in treating neurological oncological pathologies.





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This refresher program will provide the skills to generate a sense of security in your medical practice, which will help you grow both personally and professionally”



General Objective

- Create a global and updated vision of Pediatric Brain Tumors and all its aspects, allowing the student to acquire useful knowledge and, at the same time, generate interest in expanding the information and discovering its application in their daily practice.

“

Make the most of the opportunity and take the step to get up-to-date on the latest developments in Pediatric Brain Tumors”





Specific Objectives

- Delve into the preoperative management and current considerations in pediatric brain tumor surgery.
- Know the main neuro-oncological complications in children with systemic cancer.

03

Course Management

The program's teaching staff includes leading specialists in Pediatric Brain Tumors and other related areas, who bring their years of work experience to this training program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.

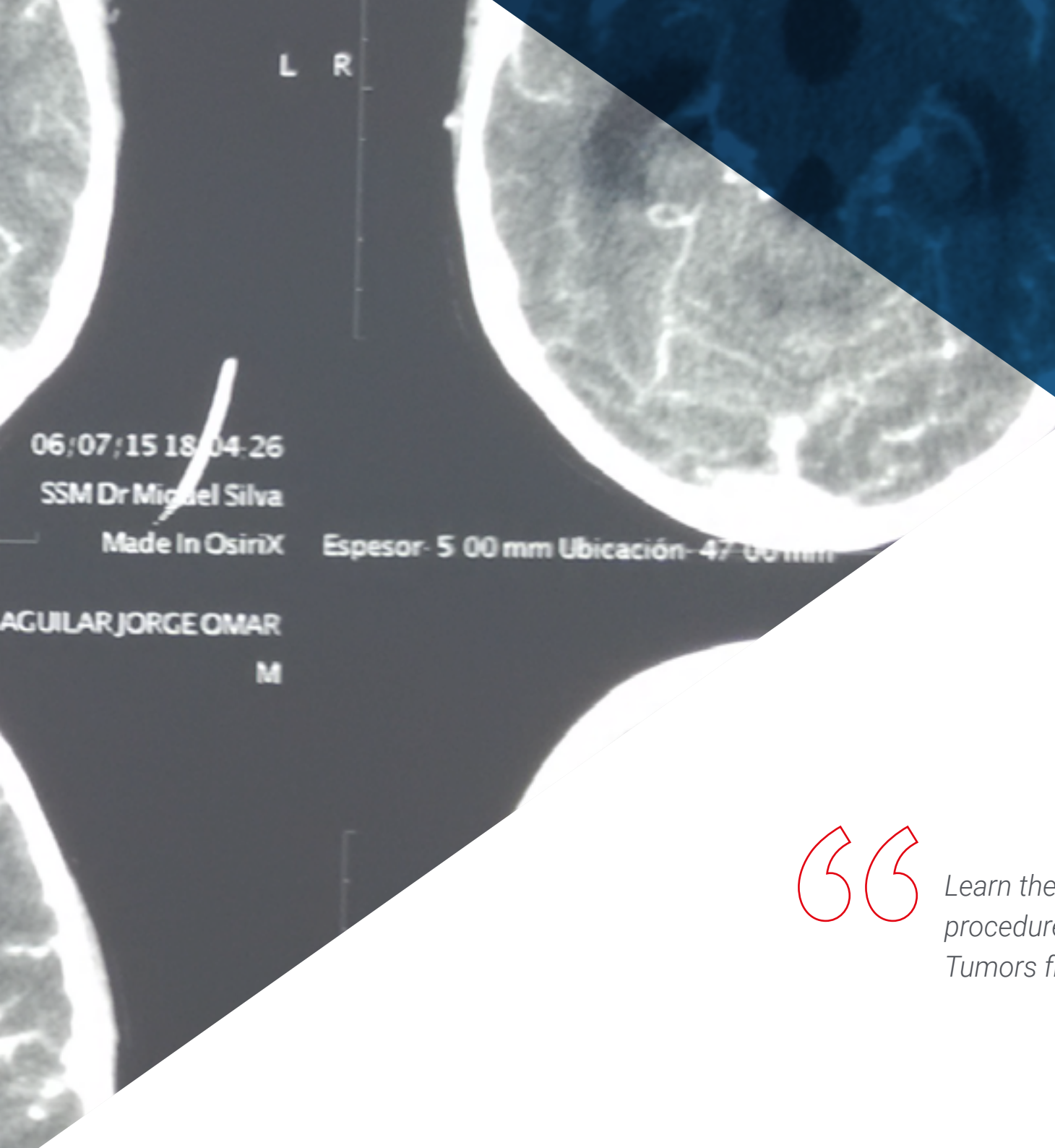


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*Learn the latest advances in
procedures in Pediatric Brain
Tumors from leading professionals”*

International Guest Director

Dr. Lawrence Recht is an eminence in the international clinical field for the multiple contributions he has developed within the field of Neuro-oncology. He is a distinguished professional with **more than four decades of experience in the management of cancer and its early detection**, an area to which he has dedicated dozens of investigations. Thanks to his exhaustive work in the knowledge of the brain tumor, **he has established the importance of discovering how and why it evolves previously in order to be able to treat it at an early stage, rather than focusing efforts on treating the neoplasm itself**. Based on this, today this pathology is addressed more effectively and efficiently in tens of thousands of patients around the world.

He has a distinguished academic curriculum, including his undergraduate training at Columbia, as well as **additional training in Neuro-Oncology at Memorial Sloan Kettering Cancer Institute in New York**. He is also a **Doctor of Medicine**, an activity that has led him to collaborate and direct various research programs in prestigious centers such as Stanford Health Care, the Stanford Cancer Institute and the Wu Tsai Neurosciences Institute, all of them focused on the field of Neurology and Neurosurgery.

On the other hand, he has **authored and co-authored dozens of articles indexed in international clinical journals** such as the Journal of Neurosurgery, American Journal of Pathology or the Journal of the National Comprehensive Cancer Network. This has allowed him to contribute to the knowledge of the diagnosis and treatment of brain tumors, using methods such as magnetic resonance and computed tomography to improve the detection and characterization of these lesions. In addition, **he has made great advances in designing therapeutic approaches to treat neurological tumors**, bringing together the understanding of the underlying biology of these conditions.



Dr. Lawrence, Recht

- International Expert in Neurological Oncology and Neurosurgery
- Stanford Professor of Neurology and Neurological Sciences
- Professor of Neurosurgery at Stanford
- MD at Columbia P&S School of Medicine
- University of Minnesota Medical School Residency
- Clinical Fellowship at Memorial Sloan-Kettering Cancer Center in New York City
- Clinical certification by the American Board of Psychiatry and Neurology
- Director of more than a dozen clinical trials in tumor measurement
- Author and co-author of more than 3 dozen indexed articles for medical journals internationally.
- Member of: Bio-X, Stanford Cancer Institute, Neuroscience Institute Wu and Tsai

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

Address



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- ♦ Head of the medical Oncology Service at La Paz University Hospital since 2017.
- ♦ PhD in Medicine from the Complutense University of Madrid.
- ♦ Master's Degree in Bioinformatics and Biostatistics UOC-UB
- ♦ Master's Degree in Bioinformatics Analysis, Pablo de Olavide University
- ♦ Research Fellow at University of Southampton
- ♦ Degree in Medicine and Surgery, Navarra University
- ♦ Member of the Spanish Society of Medical Oncology, the Spanish Group of Digestive Tumors (TTD)



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- ♦ Head of the Genomics Department at the Center for Genetic Engineering and Biotechnology (CIEMAT)
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- ♦ Oncologist at the Rey Juan Carlos University Hospital
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- ♦ Co-inventor of the method for the diagnosis of Essential Thrombocythemia and the kit to perform it.
- ♦ Members of the Spanish Society of Endocrinology and Nutrition.
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- ♦ Neurology the 12 de Octubre University Hospital, Madrid
- ♦ Researcher specialised in Neurology
- ♦ Degree in Medicine

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- ♦ Head of the Biomarker Discovery and Pharmacogenomics Unit at PharmaMarr
- ♦ Head of Genetic Studies in Hereditary Cancer at Hospital 12 de Octubre
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- ♦ PhD in Biochemistry and Molecular Biology from the Universidad Complutense de Madrid.
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- ♦ Head of the Medical Oncology Department, Complejo Hospitalario Universitaria de Santiago de Compostela
- ♦ Director of the Translational Medical Oncology Group of the Instituto de Investigación Sanitaria de Santiago de Compostela
- ♦ Creator of the Medical Oncology Service at the Txagorritxu Hospital in Vitoria
- ♦ Research Physician in the Department of Oncology at the Free University Hospital in Amsterdam
- ♦ Principal investigator of more than 100 clinical trials, highlighting the field of translational research in translational research in solid tumors
- ♦ Author of more than 200 articles in prestigious national and international journals
- ♦ Founding partner of the company Nasasbiotech
- ♦ Degree in Medicine from the Autonomous University Madrid.
- ♦ Permanent member of the Royal Academy of Medicine and Surgery of Galicia
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- ♦ Co-author of several journal articles and book chapters related to diagnostic tests and associated with the neurological area

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- ♦ PhD in Medicine from the Complutense University of Madrid.
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- ♦ Member of the Spanish Society of Neurosurgery in the groups of Neuro-Oncology, Spine and Functional Neurosurgery

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- ♦ Clinical Neurophysiologist for Intraoperative Monitoring at the 12 de Octubre University Hospital
- ♦ Neurophysiologist at the Varela de Seijas
- ♦ PhD in Medicine from the Autonomous University Honduras
- ♦ Medical specialist in Clinical Neurophysiology at the University Hospital of the La Princesa
- ♦ Member and collaborator in the Spanish Sleep Society

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- ♦ Director of the Electromyography and Evoked Potentials Unit of the Varela de Seijas Center for Neurological Studies
- ♦ SP of Clinical Neurophysiology at Hospital La Luz
- ♦ Associate Physician of the Neurophysiology Service at the 12 de Octubre University Hospital
- ♦ Associate Physician of Clinical Neurophysiology in the Neuromuscular Unit at Clinical Hospital San Carlos
- ♦ Award for the best oral communication in the category of Sleep at the 44th Annual Meeting of the Spanish Neurophysiological Society

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- ♦ Specialist in Neuro-oncology at UCSF Brain Tumor Centre in San Francisco
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- ♦ Degree in Medicine from the University of Alcalá
- ♦ President of AFEM
- ♦ Collaborator and columnist in several journalistic media.

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- ♦ Specialist in speech therapy intervention and language disorders
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- ♦ Collaborating professor of the Master's Degree in Neuropsychology at the UOC
- ♦ PhD in the Department of Basic Psychology II at UNE
- ♦ Expert in Clinical Neuropsychology

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- ♦ Specialist in Neurology at the University Hospital of Valencia
- ♦ Associate Professor of Radiology and Physical Medicine at the Universitat de València.
- ♦ Doctor in Medicine from the University of Valencia
- ♦ Author of the book "Estudio comparativo de la organización estructural y funcional de la pineal en la especie ovina" ("Comparative study of the structural and functional organization of the pineal gland in sheep")
- ♦ Co-author of several research articles related to the neurological area.

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- ♦ SP of the Radiation Oncology Service of the General Hospital of Ciudad Real
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- ♦ Specialty in Oncology with mention in the radiotherapy area
- ♦ Speaker of the Spanish Group of Genitourinary Tumors
- ♦ Speaker at the III Course of SBRT Stereotactic and Extracranial Radiotherapy

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- ♦ Tutor of MIR residents at the University of Navarra
- ♦ Editor of the Spanish Journal of Neurosurgery
- ♦ PhD in Medicine from the University of Navarra
- ♦ Master's Degree in Health Management
- ♦ Member of the European Association of Neurosurgical Societies (EANS) and the Spanish Society of Neurosurgery (SENEC)
- ♦ Fellowship of the North American Skull Base Society

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- ♦ Associate Physician of the Neurosurgery Service of the Navarra Hospital Complex
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- ♦ Speaker at the National Congress of the Spanish Society of Surgery
- ♦ Co-author of several chapters of Intraoperative Neurophysiology

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- ♦ Professor in Pediatric Hemato-oncology at the 12 de Octubre UH
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- ♦ Member of the Children's Oncology Association of Madrid
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- ♦ Associate Professor of the Department of Surgery, Faculty of Medicine, Complutense University of Madrid
- ♦ Doctor of Medicine
- ♦ Fellow of the European Board of Coloproctology.
- ♦ Master's Degree in Sleep: Physiology and Medicine by the Faculty of Biology of the University of Murcia
- ♦ Pedro Mata Award 2015, 2017, 2017, 2018 and 2019 of the Neurosurgery Society of the Autonomous Community of Madrid

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- ♦ Associate Neurologist at Getafe University Hospital
- ♦ Adjunct Neurologist at Sanatorio Nuestra Señora del Rosario
- ♦ PhD in Medicine from the Complutense University of Madrid.
- ♦ Master's Degree in Molecular Oncology by the National Cancer Research Center and the European School of Oncology
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- ♦ Clinical Fellowship in Pediatric Neurosurgery, with surgical and care practice at the SickKids Hospital (The Hospital for Sick Children, Toronto, Canada)
- ♦ PhD in Surgery from the Complutense University of Madrid.
- ♦ Member of the research group: Neurotraumatology and subarachnoid hemorrhage of the Neurosciences Area of the I+12
- ♦ Member of the Spanish Society of Neurosurgery (SENEC), the Spanish Society of Pediatric Neurosurgery (SENEPe), the European Neurosurgery Society (EANS) and the International Society of Pediatric Neurosurgery (ISPN)

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- ♦ Member of Cognition & Brain Plasticity Unit
- ♦ Member of the Spanish Society of Neurology

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- ♦ SP of Pediatric Hemato-Oncology at the 12 de Octubre University Hospital in Madrid
- ♦ Member of the Translational Research Group in Childhood Cancer, Hematopoietic Transplantation and Cell Therapy of the Research Institute of La Paz University Hospital
- ♦ Co-author of more than 2 dozen research articles indexed in international journals and cited in databases such as PubMed.
- ♦ Speaker at the X National Congress of the Spanish Society of Pediatric Hematology and Oncology

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- ♦ Specialist physician and researcher at the Biocruces Bizkaia Institute
- ♦ Lecturer in the Master's Degree in Basic Oncology at the University of the Basque Country
- ♦ Speaker at the Cruces Hospital Medical Oncology Association with the topic "Standard Chemotherapy in Ovarian Cancer"
- ♦ Members of the Spanish Neuro-oncology Research Group

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- ♦ Master's Degree in Clinical and Medical Care Management
- ♦ Master's Degree in Immuno-oncology
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- ♦ Teacher of the Master's Degree in Clinical and Surgical Research at the Miguel Hernández University
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- ♦ Member of the Spanish Society of Medical Oncology
- ♦ Speaker and member of the Spanish Breast Cancer Research Group Foundation

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- ♦ Master's Degree in Aesthetic Medicine iTECH University - CEU Cardenal Herrera
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- ◆ Coordinator of the SEN New Technologies Committee - TecnoSEN
- ◆ Member of the team that won the Neurochallenge of the LXXIII Annual Meeting of the Spanish Society of Neurology
- ◆ Member of the Madrid Neurology Association
- ◆ First prize in the II Clinical Case Competition of the AMN

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- ◆ SP of Neurology at La Paz University Hospital
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- ◆ Neurology residents teacher
- ◆ Neurology resident tutor at the 12 de Octubre Hospital
- ◆ Master's Degree Online in Neuro-immunology from the Autonomous University of Barcelona
- ◆ Master's Degree in Clinical Neurology from Editorial Médica Panamericana
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- ◆ Expert in Differential Diagnosis of Demyelinating Diseases

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- ♦ Degree in Physics from the National Distance Education University
- ♦ Specialization in Neurology
- ♦ SEN Resident Course in Neurodegenerative Dementias
- ♦ Training Course in Sleep Disorders for Residents and Adjuncts of Neurology of the SEN
- ♦ National End of Career Award by the Ministry of Science, Innovation and Universities

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- ♦ Collaborator in the IX Conference on Preventive Medicine and Public Health

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- ♦ Doctor of Medicine from the Complutense University of Madrid.
- ♦ Alberto Rábano 2020 award for his doctoral thesis

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- ♦ PhD in Biomedical Science from the Complutense University of Madrid
- ♦ Postgraduate studies in advanced neuroimaging techniques and their applications at the University of Malaga
- ♦ Research Fellowship by the Spanish Research Institute Carlos III
- ♦ Fellow of Clinical Research in Multiple Sclerosis Carlos III Institute

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- ♦ SP of the Demyelinating Diseases Unit of the Hospital Clínico San Carlos
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- ♦ Speaker for the Federation of Multiple Sclerosis Associations of Madrid at various medical congresses
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- ♦ Neurologist in the area of Epilepsy and Muscular Disorders at Hospital Clínico San Carlos
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- ♦ PhD in Medicine at the University Hospital 12 de Octubre
- ♦ Postgraduate in Genomics and Precision Medicine from the UNIR
- ♦ Master's Degree in Neuro-immunology from the Universitat Autònoma de Barcelona
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- ♦ Karls-Universität Heudelberg

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- ♦ Support Neurologist at the Motor Neuron Diseases Unit of the I+12 Research Institute of the 12 de Octubre Hospital
- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Clinical Neurology
- ♦ Author of the poster "Hemichorea como debut de Diabetes no cetósica" ("Hemichorea as a debut of non-ketotic Diabetes") at the LXIII Annual Meeting of the Spanish Society of Neurology

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- ♦ Collaborator in the Ophthalmology Fields of the 12 de Octubre University Hospital
- ♦ Director of the Economic Area of the Spanish Society of Neurology
- ♦ Coordinator of the Study Group on Clinical Management and Quality of Care in Neurology of the SEN
- ♦ Co-author of more than thirty scientific articles

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- ♦ SP of the Neurology Section at the Infanta Cristina UH
- ♦ Editor of the Neurology digital content portal Neurowikia
- ♦ Author of the poster "Análisis de la Diplopia en la consulta de Neurología" ("Analysis of Diplopia in the Neurology consultation") for the LXXII Annual SEN Meeting
- ♦ Co-author of several research articles related to cognitive disorders and the analysis of their derivations

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- ♦ SP of Neurology Service at the 12 de Octubre University Hospital
- ♦ Researcher in the area of Neurodegenerative Diseases in the I+12 of the Hospital 12 de Octubre
- ♦ Degree in Medicine from the Autonomous University Madrid.
- ♦ Specialist in Neurology associated with sleep at the 12 de Octubre Hospital
- ♦ Member of the Sleep Institute
- ♦ Member of the Spanish Society of Neurology

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- ♦ Associate Chief of the Clinical Neurophysiology Service at Hospital La Luz.
- ♦ Head of the Clinical Neurophysiology Unit at Hospital Central de la Cruz Roja.
- ♦ Coordinator of the Sleep and Electroencephalography Unit at Hospital Quirónsalud Sur.
- ♦ Coordinator of the Sleep Unit at Hospital Sanitas La Moraleja.
- ♦ Resident Internist in Clinical Neurophysiology at San Carlos Clinical Hospital.
- ♦ Author and co-author of scientific articles and books related to her specialty.
- ♦ Speaker at numerous Clinical Neurophysiology Congresses.

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- ♦ Resident Neurology Physician, San Carlos Clinical Hospital, Madrid
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- ♦ Collaborator in Practical Teaching at the Department of Medicine, Faculty of Medicine UCM
- ♦ Degree in Medicine and Surgery. Autonomous University of Madrid
- ♦ Degree in Medicine and Surgery Faculty of Medicine Complutense University, Madrid
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- ♦ Member of Spanish Neurology Society, Spanish Epilepsy Society, Madrid Neurology Association, Infanta Cristina Hospital Research Committee, Innovation Committee, Puerta de Hierro Hospital Research Institute.

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- ♦ Director of the research project on biomarkers in Amyotrophic Lateral Sclerosis
- ♦ Researcher in neuromuscular diseases at Vall d'Hebron University Hospital and VHIR
- ♦ Rotation at the Movement Disorders Unit at Columbia University Medical Center in New York
- ♦ Postgraduate certificate in Statistics in Health Sciences, within the continuing education program of the Autonomous University of Barcelona

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- ♦ Associate Professor in Health Sciences at the Complutense University of Madrid
- ♦ PhD in Medicine from the Complutense University of Madrid.
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- ♦ Specialist in Cognitive Neurology and Dementias at the UCSF Memory and Aging Centre
- ♦ Researcher at the Research Institute Hospital 12 de Octubre in the area of Neurodegenerative Diseases of the I+12 Institute
- ♦ PhD in Medical and Surgical Sciences from the Complutense University of Madrid
- ♦ Santiago Ramón y Cajal 2021 Award "To the best article in basic research"
- ♦ Member of the Madrid Association of Neurology (AMN)

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- ♦ Neurologist at the 12 de Octubre Hospital
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- ♦ Master's degree in Neuroimmunology from the Universitat Autònoma de Barcelona

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- ♦ Collaborator and researcher in the book Neurology and Neurosurgery

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- ♦ SP of Severo Ochoa University Hospital
- ♦ Physician specialist at Imperial College Healthcare NHS Trust
- ♦ Speaker at the LXIII SEHH National Congress as a member of the oral communication group for the topic liquid biopsy molecularly characterizes b lymphomas at diagnosis allowing its use in subsequent monitoring

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- ♦ PhD in Biomedical Sciences from the Complutense University of Madrid
- ♦ Co-author of more than 40 scientific articles related to the neurological area
- ♦ Principal collaborator in 2 research projects: Alzheimer, prevention from childhood, NEDICES (Neurological Disorders in Central Spain)

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- ♦ Member of the team promoting the Cardio-Onco-Hematology Unit of the Hospital de Guadalajara
- ♦ Member and researcher of the Spanish Society of Medical Oncology
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- ♦ PhD in Medicine from the Complutense University of Madrid.
- ♦ Specialist in Neurology at the 12 de Octubre Hospital
- ♦ Author of more than a dozen scientific articles
- ♦ Co-author of the book "Cien escalas en la Neurología" ("One Hundred Scales in Neurology")

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- ♦ Member of the Neurogeriatrics Study Group and the Neuropathic Pain Study Group
- ♦ Member of the scientific team of Neurorecordings
- ♦ Editor of the Neurology content web portal Neurowikia
- ♦ PhD in Medicine from the Complutense University of Madrid.
- ♦ Member of the Spanish Society of Neurology

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- ♦ Master's Degree in Neuroimmunology from the Autonomous University of Barcelona
- ♦ Master's Degree in Clinical Medicine from the Camilo José Cela University

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- ♦ Master's Degree in Research Methodology: Design and Statistics in Health Sciences by the Universitat Autònoma de Barcelona
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- ♦ Speaker at the XII Annual Meeting of the AMNE on the topics Infundibulohypophysitis as a manifestation of systemic lymphoma and stroke mimic by Listeria

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- ♦ Co-author of more than 30 scientific articles

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- ♦ More than a dozen publications in scientific journals
- ♦ Co-author of more than a dozen books and chapters related to the medical field

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- ♦ Family Doctor for different instances and centers of the Andalusian Health System
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- ♦ Expert in Pain in Primary Care by the University of Cadiz

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- ♦ Master's Degree in Bioethics from the Institute of Humanities of the Universidad Anáhuac
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- ♦ Research Collaborator of the Aerospace Engineering and Services Group (INSA-NASA)
- ♦ Director of the Informatics Department at PPM
- ♦ Consultant in Intelligent Systems for companies such as SOUTHCO, DANONE or ATT
- ♦ Member of the Spanish Association for Artificial Intelligence

Dr. García Pérez, Daniel

- ♦ Neurosurgery Service, 12 de Octubre University Hospital, Madrid

Dr. Perdices Ramírez, Javier

- ♦ Healthcare Senior Account Executive Spain in Amazon Web Services
- ♦ CEO / Board Member at ChipCard Health
- ♦ CIO at Redsys Health
- ♦ Senior Management Consultant at Minsait
- ♦ eHealth Director at Artica Telemedicina - CMC Group
- ♦ Managing Director / Founding Partner at Artica Telemedicina - CMC Group
- ♦ Researcher at ETSIT - Bioengineering and Telemedicine Group
- ♦ Graduate in Telecommunications Engineering at the Polytechnic University of Madrid
- ♦ Master's Degree in ICT Health Systems by the Universitat Oberta de Catalunya (Open University of Catalonia)
- ♦ Postgraduate Certificate in Advanced Studies DEA and Research Sufficiency from the Polytechnic University of Madrid

Dr. León Ruiz, Moisés

- ♦ Specialist in Neurology at the University Hospital of the Southeast
- ♦ MIR of Clinical Neurophysiology at the University Hospital La Paz
- ♦ Specialist in the Neurology Service at the University Hospital of the Southeast
- ♦ Neurology Specialist at Hospital Quirónsalud de San José
- ♦ Neurorehabilitation Specialist at the San Vicente Clinic
- ♦ Member and disseminator of the Spanish Society of Neurology (SEN)



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

The content structure has been designed by a team of professionals from the best hospitals and universities in the country, aware of the relevance in current Training to intervene in the diagnosis and treatment of Pediatric Brain Tumors pathology, and are committed to quality teaching through new educational technologies.





“

This Postgraduate Certificate in Pediatric Brain Tumors contains the most complete and up-to-date scientific program on the market”

Module 1. Pediatric Brain Tumors and Neuroncologic Complications

- 1.1. Brain Tumors in the First Decades of Life
 - 1.1.1. Epidemiology
 - 1.1.2. Histology and Prognostic Considerations
- 1.2. Brain Tumors in the First Decades of Life
 - 1.2.1. Surgery Considerations
 - 1.2.2. Perioperative Management
- 1.3. Oncologic Treatment in Primary CNS Tumors in Childhood
- 1.4. Neuro-Oncologic Complications in Children with Systemic Cancer





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

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

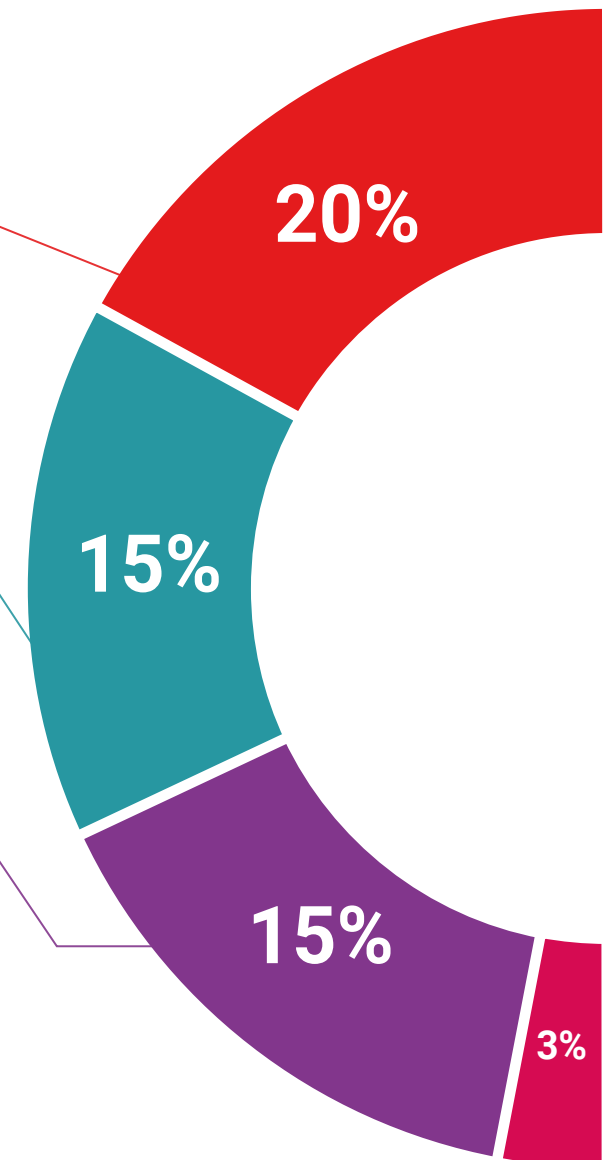
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Pediatric Brain Tumors guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



“

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

This private qualification will allow you to obtain a **Postgraduate Certificate in Pediatric Brain Tumors** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

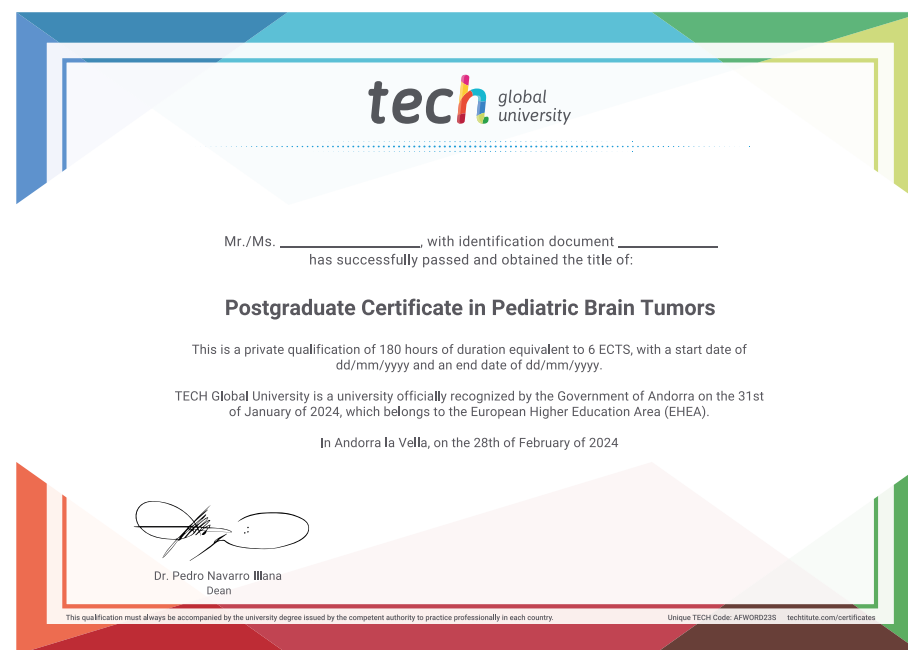
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Pediatric Brain Tumors**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate
Pediatric Brain Tumors

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

Postgraduate Certificate

Pediatric Brain Tumors

