

Postgraduate Certificate

Special Brain

Tumor Management





Postgraduate Certificate Special Brain Tumor Management

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

Website: www.techtute.com/in/medicine/postgraduate-certificate/special-brain-tumor-management

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01

Introduction

The field of neuro-oncology is rapidly evolving, with research in Special Brain Tumor Management showing promise 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 Special Brain Tumor Management through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to provide quality medical care”

As a summary we will see how the histological heterogeneity of glioblastoma makes total eradication impossible, because residual cancer cells invade the parenchyma, which remains invisible to any radiographic technique. Even with macroscopic total resection, the heterogeneity and latent nature of tumor cells allows therapeutic evasion, which contributes to tumor recurrence and progression, and severely affects survival. Visual delineation of tumor margins with common surgical techniques has been a challenge faced by many surgeons, and in an attempt to achieve safe and optimal resection, advances have been developed and implemented that allow intraoperative analysis of cancerous and non-cancerous tissue, which has already led to improved outcomes. In addition, functional paradigms based on stimulation techniques to map brain electrical activity have optimized glioma resection in eloquent areas such as Broca's, Wernicke's and perirhinal areas.

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.

This **Postgraduate Certificate in Special Brain Tumor Management** 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 Special Brain Tumor Management
- ♦ 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-therapeutic developments on evaluation, diagnosis, and treatment in Special Brain Tumor Management. It contains practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Iconography of clinical and diagnostic imaging tests
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ With special emphasis on evidence-based medicine and research methodologies in Special Brain Tumor Management
- ♦ 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 Special Brain Tumor Management

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This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Special Brain Tumor Management, you will obtain a qualification from TECH Technological University"

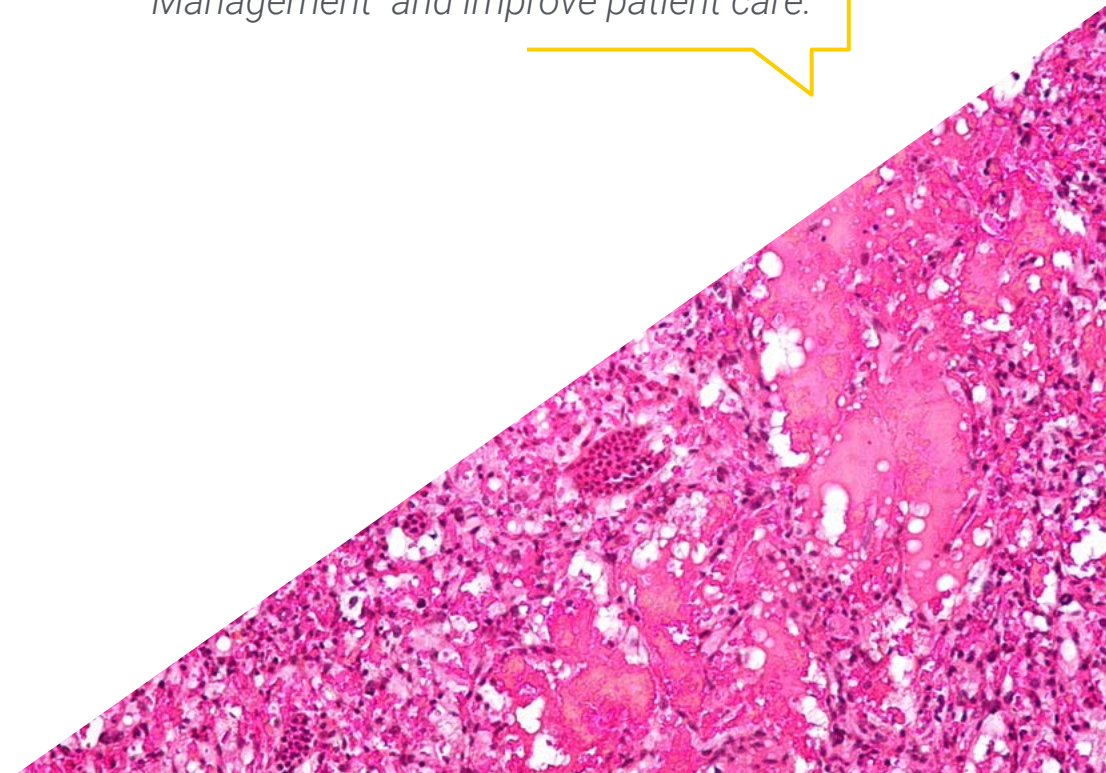
Its teaching staff includes professionals from the field of Special Brain Tumor Management, who bring the experience of their work to this training, as well as renowned specialists belonging to leading scientific societies.

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 doctors must try to solve the different professional practice situations that arise during the academic year. For this purpose, doctors will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of Special Brain Tumor Management with extensive teaching experience.

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

Take the opportunity to learn about the latest advances in Special Brain Tumor Management and improve patient care.



02 Objectives

This Postgraduate Certificate in Special Brain Tumor Management is aimed at facilitating doctors' performance in treating neurological oncological pathologies.





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This Postgraduate Certificate designed to update your knowledge of Special Brain Tumor Management, with the use of the latest educational technology, to contribute quality and safety to decision making, diagnosis, treatment and patient support”

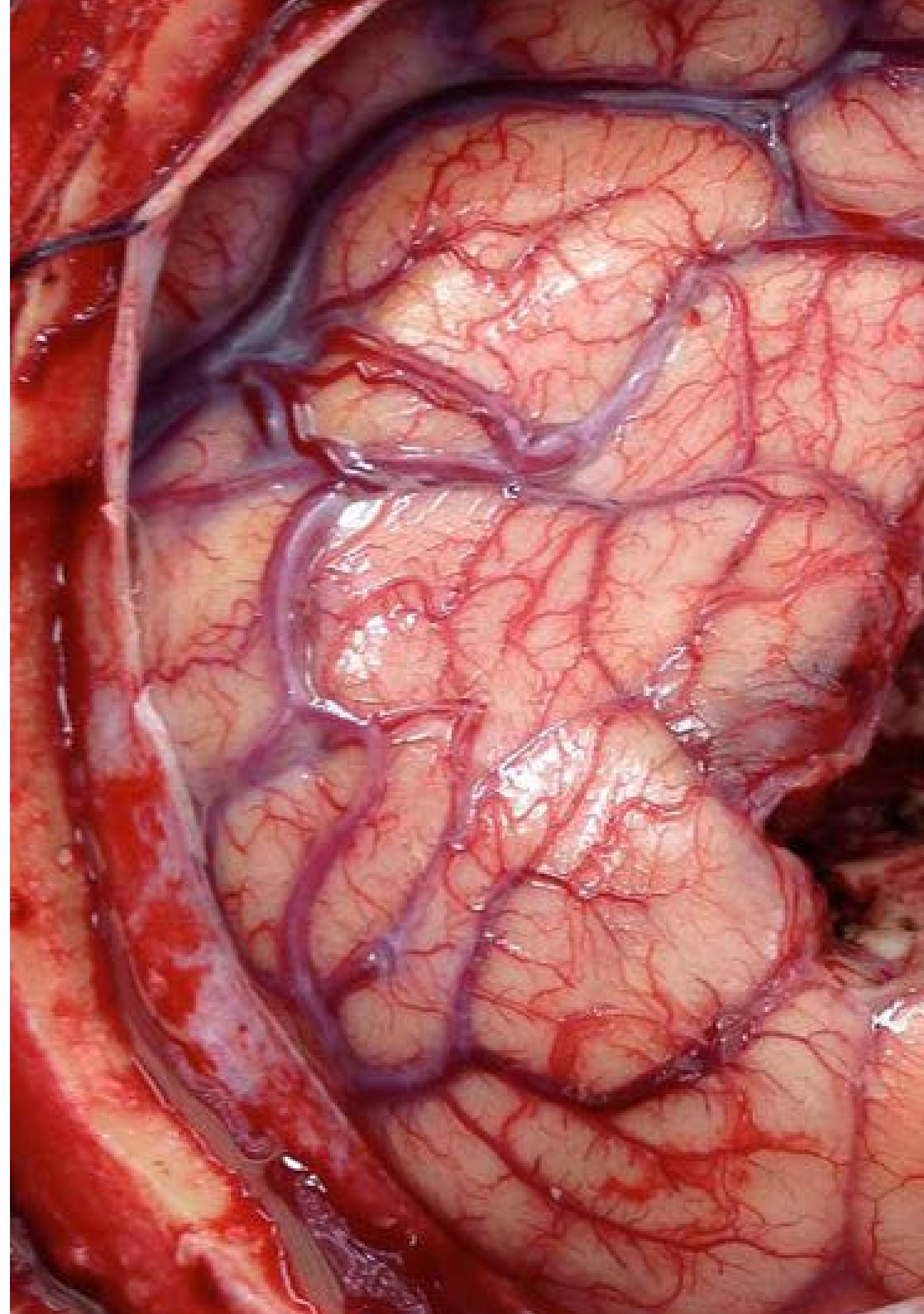


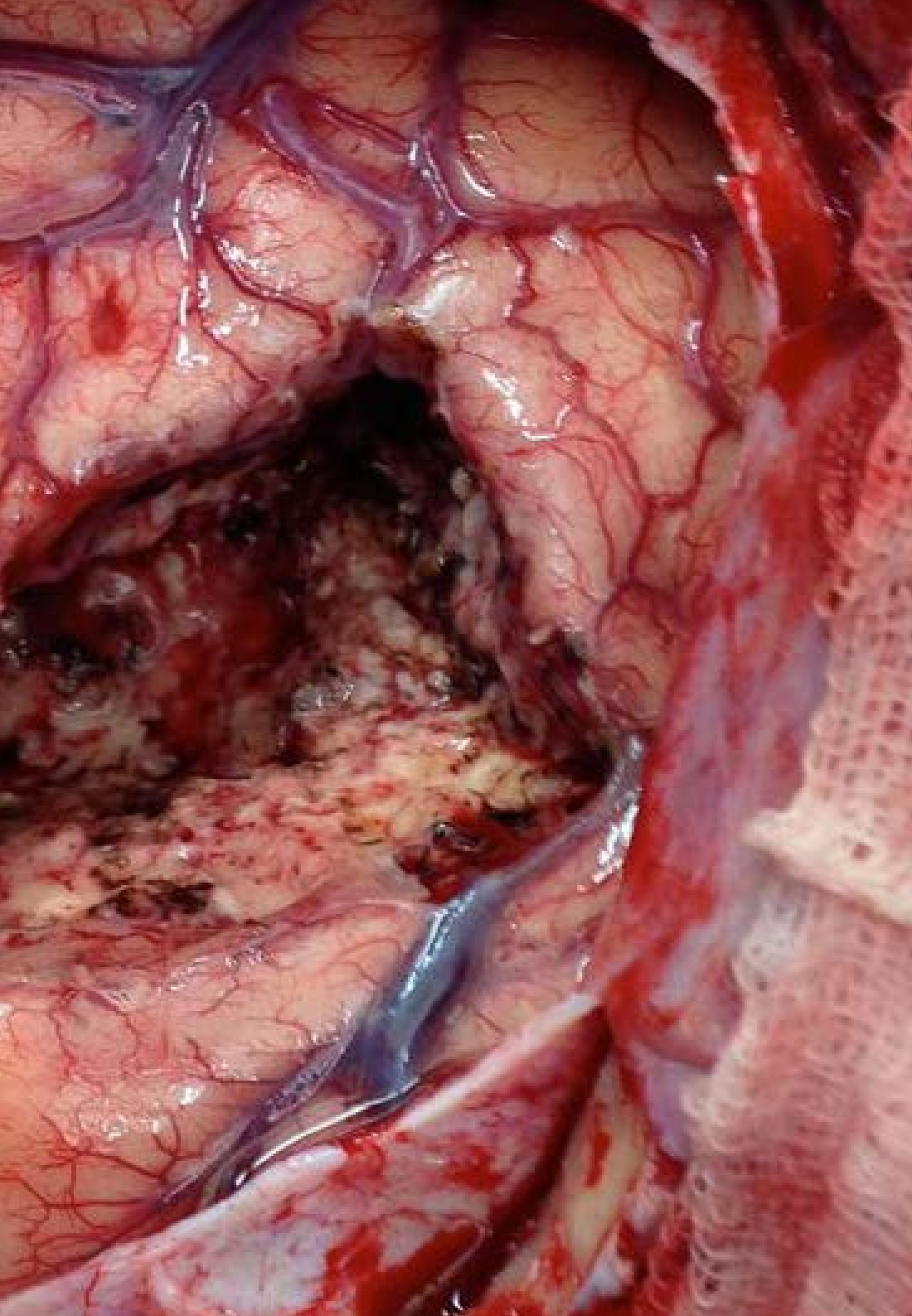
General Objective

- Create a global and up-to-date vision of Special Brain Tumor Management and all its aspects, allowing students to acquire useful knowledge while they generate interest in expanding the information and discovering its application in their daily practice



Make the most of this opportunity and take the leap to get up to date on the latest developments in Neurologic Oncology”





Specific Objectives

- Study the algorithm for the treatment of Germ Cell Tumors
- Develop the new techniques in Skull Base Surgery
- Delve into the Management of Malignant Skull Base Tumors
- Explore the latest developments in brain tumors and neurofibromatosis

03

Course Management

The program's teaching staff includes leading specialists in Special Brain Tumor Management 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 from leading professionals about the latest procedure advances in the field of Special Brain Tumor Management”

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, **it has been established the importance of discovering how and why it evolves previously in order to treat it at an early stage, instead of 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

- Professor of Neurology and Neurological Sciences at Stanford
- 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, Wu Tsai Neuroscience Institute

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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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- ♦ Master's Degree in Bioinformatics Analysis, Pablo de Olavide University
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- ♦ Degree in Medicine and Surgery, Navarra University
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Professors

Dr. Dueñas Porto, Marta

- ♦ Researcher at the Centro de Investigaciones Energéticas, Ambientales y Tecnológicas (CIEMAT)
- ♦ Researcher at the Fundación para la Investigación Biomédica I+12 (I+12 Biomedical Research Foundation)
- ♦ Head of the Genomics Department at the Center for Genetic Engineering and Biotechnology (CIEMAT)
- ♦ Researcher at the Center for Genetic Engineering and Biotechnology
- ♦ Ph.D. in Molecular Biology from the Universidad Autónoma de Madrid
- ♦ Degree in Biological Sciences from the University of la Havana.
- ♦ Member of the Profarma Technical Committee

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Dr. Astudillo González, Aurora

- ♦ Doctor in Medicine Former Scientific Director of the Principality of Asturias Biobank
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- ♦ TEDx Talks Speaker
- ♦ European Board of Neuropathology
- ♦ European Board of Pathology

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- ♦ Rotation at the Digestive Tumors Clinical Research Unit of the National Cancer Research Center
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- ♦ Associate Professor of Health Sciences at the Complutense University of Madrid
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- ♦ Member of the Spanish Pathological Anatomy Society and its of Neuropathology Working Group

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- ♦ SP of Pathological Anatomy Service at the 12 de Octubre University Hospital, Madrid
- ♦ Associate Professor of in the Health Sciences Department of Legal Medicine, Psychiatry and Pathology of Complutense University of Madrid
- ♦ 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
- ♦ Member of the Spanish Society of Pathological Anatomy Medicine

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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
- ♦ Molecular Biologist at Gemolab SL
- ♦ Research Scientist at Sylentis
- ♦ 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
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- ♦ 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
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- ♦ 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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- ♦ Specialist in the area of Radiodiagnostics and Diagnostic Imaging at La Esperanza MH
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- ♦ Co-author of the article Diabetes mellitus secondary to IgG4-related disease published in the scientific journal Endocrinology, Diabetes and Nutrition.

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- ♦ Head of Patient quality and Safety of the Neurosurgery Service in the of the HU 12 de Octubre
- ♦ SP of the Neurosurgery Service at the 12 de Octubre University Hospital, Madrid
- ♦ Clinical practice teaching collaborator associated with surgical pathology at Complutense University of Madrid
- ♦ PhD in Medicine from the Complutense University of Madrid.
- ♦ Participant in multiple clinical trials and research projects at the 12 de Octubre University Hospital
- ♦ 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
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- ♦ 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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- ♦ Head of Section of the Neurosurgery Service at 12 de Octubre University Hospital
- ♦ Specialist in Neuro-oncology at UCSF Brain Tumor Centre in San Francisco
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- ♦ Associate Professor in Health Sciences at Complutense University of Madrid
- ♦ PhD in Medicine from the Complutense University of Madrid.
- ♦ Founding member of the Multidisciplinary Neuro-Oncology Unit of the 12 de Octubre University Hospital
- ♦ Founding member of the Neuro-Oncology Research Group of the 12 de Octubre University Hospital
- ♦ Member of the Tumor Group of the Spanish Society of Neurosurgery

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- ♦ Disseminator in the area of Functional Neurosurgery at the 12 de Octubre University Hospital
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- ♦ President of AFEM
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- ♦ Specialist in speech therapy intervention and language disorders
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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
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- ♦ 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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- ♦ 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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- ♦ Head of the Neurosurgery Service at the Navarra Hospital Complex
- ♦ 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

Dr. García Romero, Juan Carlos

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

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- ♦ Specialist Area Physician at the University Hospital of Getafe
- ♦ Postgraduate certificate in Health Technology Assessment Pompeu Fabra University
- ♦ Master's Degree in Pharmaceutical Sciences. Complutense University of Madrid

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- ♦ Professor in Pediatric Hemato-oncology at the 12 de Octubre UH
- ♦ Doctor of Medicine from the Complutense University of Madrid
- ♦ Member of the Children's Oncology Association of Madrid
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- ♦ Neurosurgeon at the Hospital Virgen de la Salud, Toledo
- ♦ Professor of Neurology and Neurosurgery at the CTO Academy
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- ♦ 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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- ♦ Head of the Neurology Service at MD Anderson
- ♦ Director of the Neuro-Oncology Program of the Neurology Service at the Ruber Internacional Hospital
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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
- ♦ President of the Spanish Neuro-oncology Group (GEINO)

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- ♦ Associate Physician in the Pediatric Neurosurgery Service at the 12 de Octubre University Hospital
- ♦ Specialist in Pediatric Neurosurgery at the CSUR
- ♦ Several practical stays abroad: Johns Hopkins Hospital (Baltimore, USA), UMPC Hospital (University of Pittsburgh Medical Center, Pittsburgh, USA), INI Hospital (International Neuroscience Institute, Hanover, Germany) or in Sao Paulo, Brazil
- ♦ 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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- ♦ Professor of the Master's Degree in Neurological Oncology at the CEU Cardenal Herrera University
- ♦ PhD in Medical and Surgical Sciences from the Complutense University of Madrid
- ♦ Master in Medical Oncology by the Spanish Society of Medical Oncology
- ♦ Online Master's Degree in Palliative Care from the University of Valladolid

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- ♦ SP of the Neurology Service at the Bellvitge Hospital
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- ♦ PhD in Medicine from the University of Barcelona
- ♦ 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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- ♦ Associate Physician at the Medical Oncology Service at Cruces Hospital in Bilbao
- ♦ 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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- ♦ SP of the Medical Oncology Service at the Hospital Virgen de los Lirios de Alcoy
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- ♦ Master's Degree in Clinical and Medical Care Management
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- ♦ Member of GEICAM

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- ♦ Teacher of the Master's Degree in Clinical and Surgical Research at the Miguel Hernández University
- ♦ Coordinator of the Scientific Committee for the Platform for Evaluation + MIR
- ♦ Member of the Spanish Society of Medical Oncology
- ♦ Speaker and member of the Spanish Breast Cancer Research Group Foundation

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- ♦ Member and collaborator as a speaker of the SEOM

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- ♦ Specialist in Neurosurgery at the 12 de Octubre At Hospital
- ♦ Master's Degree in Clinical Problem Solving at the University of Alcalá de Henares
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- ♦ Clinical Observer at the University of California, in the area of tumors
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- ♦ Editor of scientific articles for the official organ of the Spanish Society of Neurosurgery

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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 of the Infanta Sofia University Hospital
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- ♦ Master's Degree in Bioethics from the Universidad Pontificia Comillas ICAI-ICADE
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- ♦ Neurologist in the inpatient ward, in consultation of demyelinating diseases and in the Emergency Department of the 12 de Octubre University Hospital
- ♦ 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
- ♦ Expert in Multiple Sclerosis
- ♦ Expert in Differential Diagnosis of Demyelinating Diseases

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- ♦ Researcher at the Deutsche Zentrum für Neurodegenerative Erkrankungen
- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ 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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- ♦ Editor of the Neurology content portal, Neurwikia
- ♦ Degree in Medicine and Surgery
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- ♦ Co-author of several scientific articles published in Neurology journals
- ♦ 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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- ♦ SP of Neurology Service at the 12 de Octubre University Hospital of Madrid
- ♦ 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
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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
- ♦ Member and collaborating speaker of the Spanish Society of Neurology

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- ♦ Neurologist in the area of Epilepsy and Muscular Disorders at Hospital Clínico San Carlos
- ♦ Professor of Neurology and Neurosurgery at AMIR
- ♦ 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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- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Clinical Neurology
- ♦ Author of the poster "Hemicorea 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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- ♦ Associate Physician of the Neurology Service at the 12 de Octubre UH
- ♦ 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
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- ♦ Member of the Sleep Institute
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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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- ♦ Research Project Manager at the Fundación Investigación Hospital Clínico San Carlos
- ♦ Medical Specialist in Neurology private professional activity. Center for Neurological Studies. Sanitas Hospitals, ICE Medical Center and Sanitas La Moraleja Hospital
- ♦ 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
- ♦ Specialist in Neurology via MIR at the Hospital Universitario Clínico San Carlos Madrid
- ♦ Specific Training Program in Epilepsy of the Foundation of the Spanish Society of Neurology Performed at the Epilepsy Unit of the Hospital Clinic of Barcelona
- ♦ 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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- ♦ Specialist in the Neuromuscular Diseases Unit at Vall d'Hebron Hospital
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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
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- ♦ Associate Physician in the Neurology Department at the SERMAS Hospital
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- ♦ Associate Physician of Neurology at INSALUD and SERMAS
- ♦ Associate Professor in Health Sciences at the Complutense University of Madrid
- ♦ PhD in Medicine from the Complutense University of Madrid
- ♦ Degree in Medicine and Surgery from the University of Alcalá de Henares
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- ♦ Expert in medical expertise in the field of neurology

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- ♦ Neurology specialist at Centro Médico Carpetana
- ♦ 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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- ♦ Lecturer at the III Course of Neurology in Images and Videos
- ♦ Speaker at COLMED in the conference "Basic Neurology"
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- ♦ Neurologist at the 12 de Octubre Hospital
- ♦ Clinical observer at the NHS Hospital Foundation Trust
- ♦ PhD in Medicine from the University of Santiago de Compostela
- ♦ 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 Hematology and Hemotherapy at the Virgen de la Salud Hospital
- ♦ 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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- ♦ SP of Neurology Service at the 12 de Octubre University Hospital
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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
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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
- ♦ Member of the Scientific Committee of the XI National Meeting of Prostate Cancer, Renal Cancer and Bladder Cancer
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- ♦ Associate Professor of Health Sciences at the Complutense University of Madrid
- ♦ 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
- ♦ Postgraduate Diploma in Digital Teaching for Medicine at the CEU Cardenal Herrera University

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- ♦ Medical collaborator in the project Calligraphy to stop Parkinson's disease
- ♦ Member of the Madrid Neurology Association
- ♦ 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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- ♦ Associate Physician of Oncology in Osakidetza
- ♦ Associate Physician at the Cruces Hospital Medical Oncology Association for the fight against Cancer
- ♦ Teacher of the Master's Degree in Basic and Clinical Oncology of the UPV-EHU
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- ♦ Co-author of more than 30 scientific articles

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- ♦ Internist at Quirón Salud de Madrid
- ♦ Medical specialist in the Internal Medicine Service of the Rey Juan Carlos of Móstoles
- ♦ Degree in Medicine and Surgery from the University of Alcalá de Henares
- ♦ Specialist of Internal Medicine at the 12 de Octubre Hospital
- ♦ 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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- ♦ Researcher specialized in Endocrinology and Nutrition
- ♦ Coordinator of the Nutrition Area of the Spanish Society of Endocrinology and Nutrition

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- ♦ Independent Advisor to the Technical Committee of the Palliative Care Strategy of the National Health System
- ♦ Director of the Training and Research Department of the SantÁngela Institute (ISA) for Chronic Illness and Palliative Care
- ♦ Family Doctor for different instances and centers of the Andalusian Health System
- ♦ Master's Degree in Palliative Care from the University Pontificia of Comillas
- ♦ Master's Degree in Care for Caregivers of Dependent Persons from the University of Seville
- ♦ 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
- ♦ Master's Degree in Teacher Training from the University Anáhuac
- ♦ Certified Grief Recovery by the Institute Grief Recovery Specialist
- ♦ Leaders Academy Johnson & Johnson Institute

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- ♦ Research Collaborator at the Artificial Intelligence Center at SRI International at Stanford University
- ♦ 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

- ♦ MIR at La Paz University Hospital of Madrid
- ♦ MIR of Clinical Neurophysiology at La Paz University Hospital
- ♦ SP of Neurology Service at the Sureste University Hospital
- ♦ SP of Neurology at Quirónsalud de San José Hospital
- ♦ SP of Neurorehabilitation at the San Vicente Clinic
- ♦ Member and disseminator of the Spanish Society of Neurology (SEN)
- ♦ Main author of numerous scientific articles for the journal Neurology Official Publication of the Spanish Society of Neurology, as well as for other prestigious international journals (New England Journal of Medicine, Journal of Neurology, Journal of Clinical Neurology, Tremor and Other Hyperkinetic Movements, Acta Neurologica Belgica, etc.)

04

Structure and Content

The structure of the contents has been designed by a team of professionals from leading hospitals and universities, who are aware of the relevance in current knowledge to intervene in the diagnosis and treatment of Special Brain Tumor Management, and are committed to quality teaching through new educational technologies.





“

This Postgraduate Certificate in Special Brain Tumor Management contains the most complete and up-to-date scientific program on the market”

Module 1. Special Brain Tumors

- 1.1. Algorithm for the Treatment of Germ Cell Tumors
- 1.2. Primary Central Nervous System Lymphoma
- 1.3. Ependymoma
- 1.4. New Techniques in Skull Base Surgery
 - 1.4.1. Introduction to the Endoscopic Technique
 - 1.4.1.1. Indications
 - 1.4.1.2. Complications
 - 1.4.1.3. Management
- 1.5. Management of Malignant Skull Base Tumors
 - 1.5.1. Chordomas
 - 1.5.2. Chondrosarcomas
- 1.6. Craneofaringioma
- 1.7. Solitary Fibrous Tumor/Hemangiopericytoma
 - 1.7.1. Update on a Rare and Difficult to Manage Tumor
- 1.8. Brain Tumors Associated with Hereditary Cancer Syndromes
- 1.9. Von Hippel - Lindau Disease and Hemangioblastoma
 - 1.9.1. Management
- 1.10. Brain Tumors and Neurofibromatosis





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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.





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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

This Postgraduate Certificate for Special Brain Tumor Management guarantees students, in addition to the most rigorous and up-to-date education, access to a qualification 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 Special Brain Tumor Management** 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 Special Brain Tumor Management**

Official N° of Hours: **150 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.

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



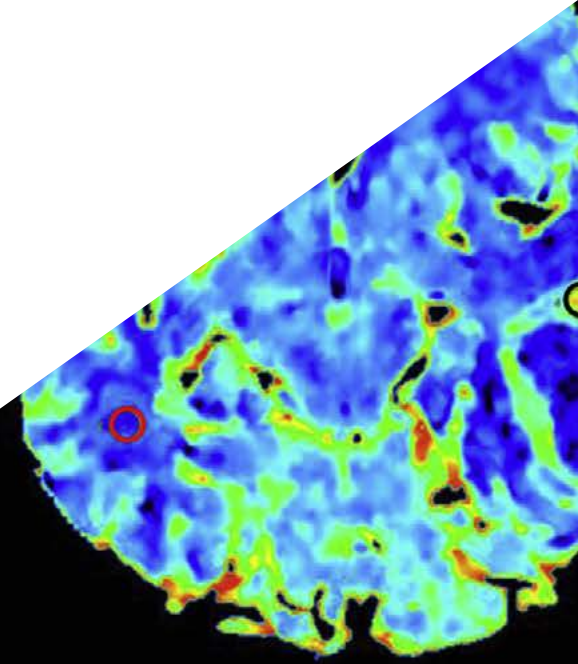
Postgraduate Certificate
Special Brain
Tumor Management

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

Postgraduate Certificate

Special Brain

Tumor Management



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