

Postgraduate Certificate

Management of Paraneoplastic
Syndromes and Comorbidities
in Neurological Cancer





Postgraduate Certificate Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer

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

Website: www.techtitute.com/in/medicine/postgraduate-certificate/management-paraneoplastic-syndromes-comorbidities-neurological-cancer

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01

Introduction

The field of Neuro-Oncology is evolving rapidly, with promising 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 Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer 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"

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. Thus, 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 preparation part of the wide range of options in the broad diagnostic or therapeutic arsenal existing today.

This **Postgraduate Certificate in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Development of more than 75 clinical cases presented by experts in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer
- ◆ 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 Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer
- ◆ 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 Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer
- ◆ All this will be complemented with theoretical lessons, questions to the expert, discussion forums on controversial topics and individual reflection work
- ◆ Availability of the contents from any fixed or portable device with an internet connection



Update your knowledge through this Postgraduate Certificate in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer”

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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 of Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer, you will also obtain a qualification from TECH Technological University”

The teaching staff includes professionals from the field Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer, who bring their experience to this educational program, as well as renowned specialists from leading scientific communities.

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 is designed around Problem-Based Learning, where students must try to solve the different professional practice situations that arise during this academic course. For this purpose, the physician will be assisted by an innovative interactive video system created by renowned and experienced experts in the field Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer 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 Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer and improve your patient care.



02 Objectives

This Postgraduate Certificate in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer is aimed at facilitating physicians' performance in treating neurological oncological pathologies.



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This Postgraduate Certificate designed to update your knowledge of Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancers, 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 the Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer 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 the opportunity and take the step to get up to date on the latest developments in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer"





Specific Objectives

- Study paraneoplastic cerebellar degeneration, paraneoplastic sensory neuropathy and more paraneoplastic syndromes
- Address new developments in the approach to necrotizing myopathies and paraneoplastic dermatomyositis
- Know the neurological complications of leukemia, digestive tumors, nephrourological cancer and sarcomas
- Delve into the neuro-oncology of gynecological cancer

03

Course Management

The program's teaching staff includes leading specialists in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer 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 Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer”

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



Dr. Oruezábal Moreno, Mauro Javier

- ♦ 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
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- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid.
- ♦ Neurosurgery Specialist, 12 de Octubre University Hospital
- ♦ Master's Degree in Medical and Clinical Management from the National School of Health.

Professors

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- ♦ 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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- ♦ Researcher at the Institute for Biomedical Research of the 12 de Octubre University Hospital
- ♦ Specialist in Cellular Biology at CIEMAT

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- ♦ Doctor in Medicine Former Scientific Director of the Principality of Asturias Biobank
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- ♦ Former Professor of Pathological Anatomy at the University of Oviedo
- ♦ Associate Professor at the University of Oviedo linked to the Central University Hospital of Asturias
- ♦ TEDx Talks Speaker
- ♦ European Board of Neuropathology
- ♦ European Board of Pathology

Velastegui Ordoñez, Alejandro

- ♦ Oncologist at the Rey Juan Carlos University Hospital
- ♦ Rotation at the Digestive Tumors Clinical Research Unit of the National Cancer Research Center
- ♦ Specialty in Clinical Immunology at the Gregorio Marañón General University Hospital
- ♦ Specialty in Medical Oncology at Fundación Alcorcón University Hospital
- ♦ Degree in Medicine from the University Catholic of Santiago de Guayaquil

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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

Dr. Rueda Fernández, Daniel

- ♦ 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
- ♦ Biochemistry Degree from the Complutense University of 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.
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- ♦ Specialist in the area of Radiodiagnostics and Diagnostic Imaging at Gabinete Velázquez MH
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- ♦ Co-author of the "Case of the month" March 2020 of the SENR

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- ♦ SP of Radiodiagnosis and Diagnostic Imaging in Puerta del Sur MH
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- ♦ Speaker at the V Congress of the Federation of Spanish Neuropsychology Associations
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- ♦ Head of the Department of Pathology and director of the biobank of the Hospital Sant Joan de Déu
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- ♦ Postgraduate Diplomain Neurobiology and Neurosciences from the University Pontificia of Salamanca

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- ♦ Associate physician in the area of Anatomical Pathology at the Hospital Sant Joan de Deu
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- ♦ Author and co-author of more than twenty scientific articles related to radiodiagnostics, radiology, its tools and tests

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- ♦ Member of the Head and Neck Tumors Committee of the Hospital Infanta Cristina

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- ♦ Director of the X National Course of Neuroradiology
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- ♦ Member of the Spanish Society of Neuroradiology

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- ♦ SP of Nuclear Medicine and Molecular Imaging in the University Hospital San Juan de Alicante
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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
- ♦ 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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- ♦ 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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- ♦ SP of Neurosurgery Service at the 12 de Octubre University Hospital, Madrid
- ♦ Disseminator in the area of Functional Neurosurgery at the 12 de Octubre University Hospital
- ♦ Degree in Medicine from the University of Alcalá
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- ♦ Collaborator and columnist in several journalistic media

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- ♦ Specialist in speech therapy intervention and language disorders
- ♦ Specialist in speech therapy intervention and language disorders
- ♦ Collaborating professor of the Master's Degree in Neuropsychology at the UOC
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- ♦ 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
- ♦ Degree in Medicine
- ♦ 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

Dr. Zazpe, Idoya

- ♦ 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

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- ♦ 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

Dr. Sánchez Rubio, Javier

- ♦ 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
- ♦ Speaker at the GEPAC Congress and member of the Spanish Group of Cancer Patients

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- ♦ SP of the Neurosurgery Service at the 12 de Octubre University Hospital, Madrid
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- ♦ 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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- ♦ Coordinator of the Neuro-Oncology Multidisciplinary Unit at of the 12 de Octubre HU
- ♦ Head of the Neurology Service at MD Anderson
- ♦ Director of the Neuro-Oncology Program of the Neurology Service at the Ruber Internacional Hospital
- ♦ Specialist in Medical oncology at the 12 de Octubre Hospital
- ♦ Associate Neurologist at Getafe University Hospital
- ♦ Adjunct Neurologist at Sanatorio Nuestra Señora del Rosario
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- ♦ 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
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- ♦ Master's Degree in Health Management from the Universidad a Distancia de Madrid
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- ♦ 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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- ♦ Master's Degree in Clinical and Medical Care Management
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- ♦ Co-author of several scientific articles

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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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- ♦ 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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- ◆ 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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- ♦ 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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- ♦ 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
- ♦ Fellow of Clinical Research in Multiple Sclerosis Carlos III Institute

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- ♦ Speaker for the Federation of Multiple Sclerosis Associations of Madrid at various medical congresses
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- ♦ PhD in Medicine at the University Hospital 12 de Octubre
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- ♦ Master's Degree in Neuro-immunology from the Universitat Autònoma de Barcelona
- ♦ International rotations at the Federal University of Minas Gerais and at Ruprech
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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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- ♦ 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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- ♦ Associate Chief of the Clinical Neurophysiology Service at Hospital La Luz.
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- ♦ 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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- ♦ 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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- ♦ 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 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.
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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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- ♦ Member of the Illustrious Official College of Physicians of Jaén.

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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 Diagnostic hematology oncology service at Hammersmith Hospital in London.
- ♦ 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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- ♦ PhD in Biomedical Sciences from the Complutense University of Madrid
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- ♦ 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 Clinical Research in Pediatrics from the University of Valladolid
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- ♦ Specialist in Pediatrics and specific areas at the University Hospital Río Hortega in Valladolid

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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 Clinical Medicine from the Camilo José Cela University

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- ♦ SP of Neurology Service at the 12 de Octubre University Hospital
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- ♦ Speaker at the XLI Annual Meeting of the Spanish Society of Pediatric Neurology (SENEP)
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- ♦ Degree in Medicine and Surgery from the University of Valladolid
- ♦ 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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- ♦ Teacher of the Master's Degree in Basic and Clinical Oncology of the UPV-EHU
- ♦ Oncology internship tutor at Cruces University Hospital
- ♦ Co-author of more than 30 scientific articles

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- ♦ 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
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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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- ♦ Coordinator of the Nutrition Area of the Spanish Society of Endocrinology and Nutrition

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- ♦ 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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- ♦ SP in Internal Medicine Infanta Elena University Hospital
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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
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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 of current knowledge to intervene in the diagnosis and treatment of Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer, and are committed to quality teaching through new educational technologies.

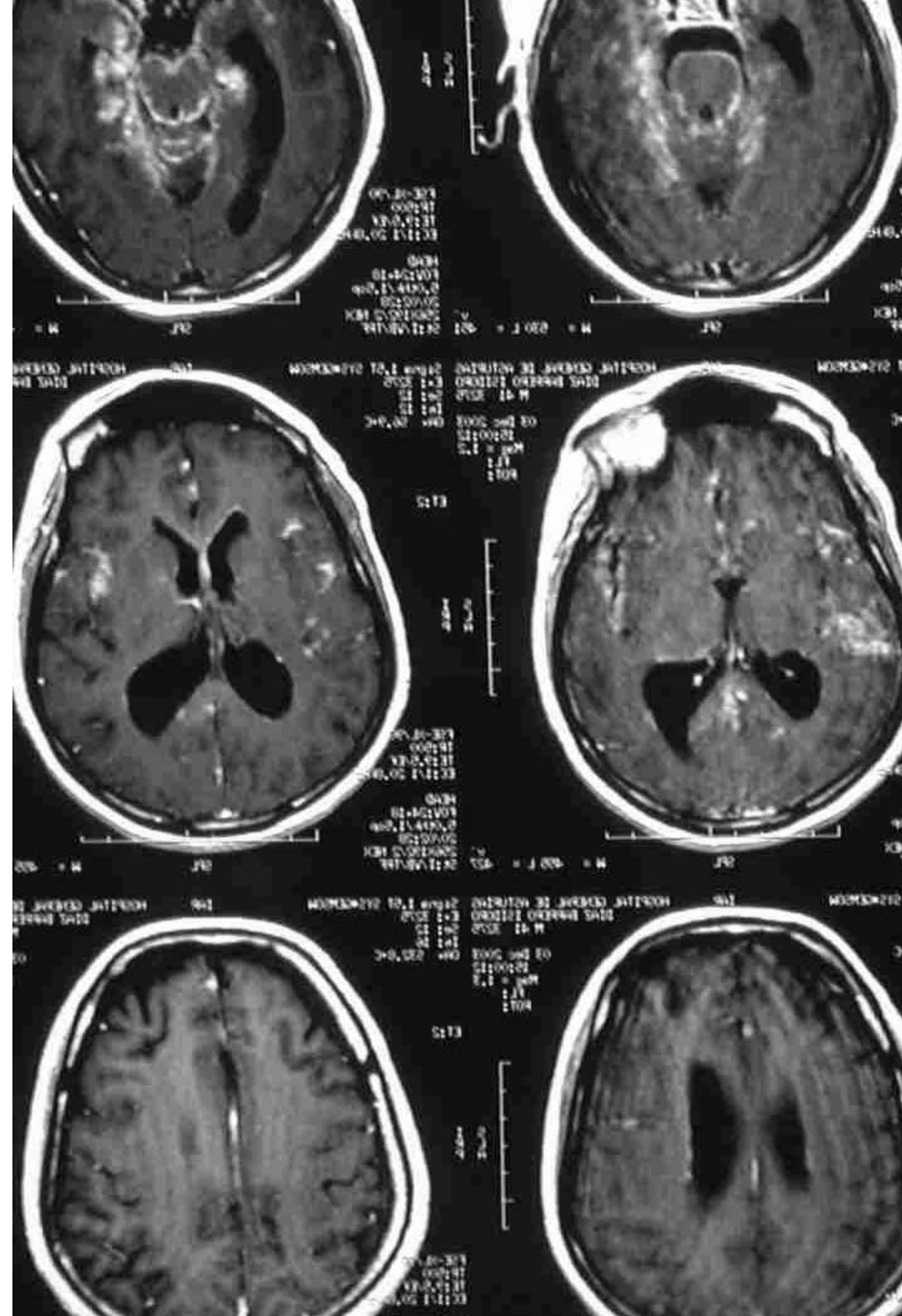


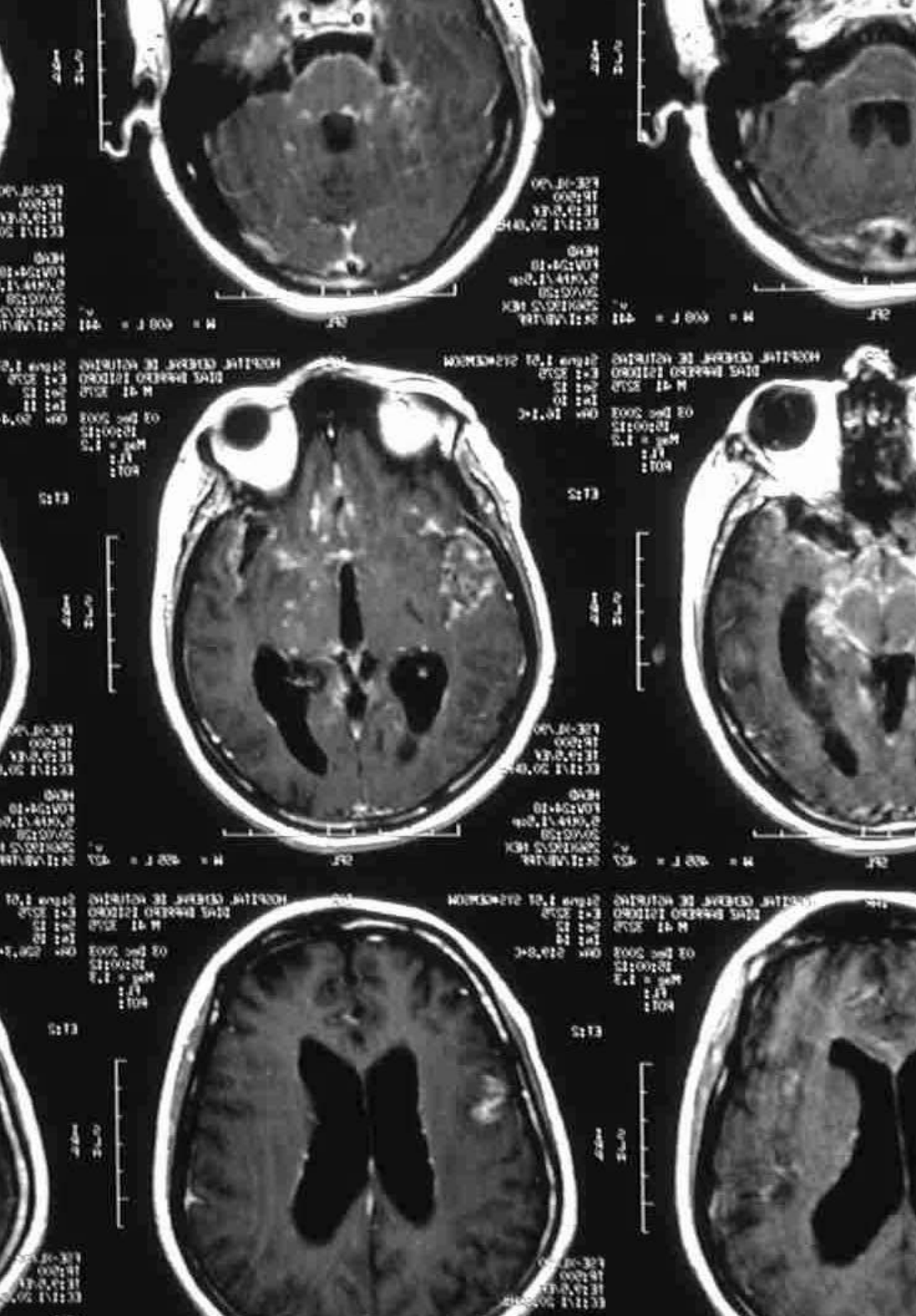
“

This Postgraduate Certificate in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer contains the most complete and up-to-date scientific program on the market”

Module 1. Paraneoplastic Syndromes and Comorbidities in Neurological Cancers

- 1.1. Concept and Pathogenesis of Paraneoplastic Syndromes of the Nervous System
- 1.2. Concept of Paraneoplastic Encephalomyelitis and Multifocal Syndromes
- 1.3. Diagnosis and Treatment of Paraneoplastic Limbic Encephalitis
- 1.4. Paraneoplastic Cerebellar Degeneration
- 1.5. Paraneoplastic Sensory Neuronopathy and Paraneoplastic Neuropathies
- 1.6. Identification and Treatment of Paraneoplastic Opsoclonus-Myoclonus
- 1.7. Lamber-Eaton Paraneoplastic Syndrome
- 1.8. Peripheral Nervous System Hyperexcitability Syndromes and Paraneoplastic Stiff Person Syndrome
- 1.9. Approach to Necrotizing Myopathy and Paraneoplastic Dermatomyositis
- 1.10. Lung Cancer and Neurological Comorbidity
- 1.11. Neurological Complications Associated with Digestive Tumors
- 1.12. Breast Cancer and Neuro-Oncologic Complications
- 1.13. Neurological Complications of Nephrouroinary Cancer
- 1.14. Gynecologic Cancer Neurooncology
- 1.15. Head and Neck Cancer and Neurological Comorbidity
- 1.16. Neurological Complications of Sarcoma
- 1.17. Melanoma and Neurological Complications
- 1.18. Neurological Complications of Lymphoma
- 1.19. Neurological Complications of Leukemia
- 1.20. Plasma Cell Dyscrasias and Neurological Comorbidity





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.

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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 in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer guarantees students, in addition to the most rigorous and up-to-date education, access to a qualification issued by TECH Technological University.





“

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

This **Postgraduate Certificate in Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer** 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 Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer**

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.



Postgraduate Certificate
Management of Paraneoplastic
Syndromes and Comorbidities
in Neurological Cancer

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

Postgraduate Certificate

Management of Paraneoplastic Syndromes and Comorbidities in Neurological Cancer

