

Postgraduate Diploma

Advances in the Management
of Spinal Tumors and Trauma





Postgraduate Diploma Advances in the Management of Spinal Tumors and Trauma

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Global University**
- » Credits: **21 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-advances-management-spinal-tumors-trauma

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01

Introduction

Specialize in a cutting-edge modality such as Advances in the Management of Spinal Tumors and Trauma, in which you will develop your skills and knowledge in the field, from the hand of professionals in spine surgery, with extensive experience in the sector.

Advances in the Management of Spinal Tumors and Trauma are constantly growing due to technological advances that allow the use of minimally invasive techniques.





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Specialize in Advances in the Management of Spinal Tumors and Trauma and be the best in your profession thanks to this multimedia training”

There is an increasing trend towards subspecialization within the medical-surgical specialties. There are so many different areas in the human body, that it is difficult to be up to date in the knowledge of a specialty as broad as Spinal Surgery. Hence, the need for a complete and quality scientific program to help and guide in this specific and exciting field.

With this Postgraduate Diploma, the professional will have a complete vision of the Advances in the Management of Spinal Tumors and Trauma. The program will highlight advances in surgical practice and treatments that directly affect patient's quality of life and improvement of pain. These will be transmitted so that the specialists can have the most up-to-date view possible of the knowledge available in the field. For this purpose, experts in Spinal Surgery from Spain and South America will collaborate with us.

This intensive training will teach the surgical techniques that are currently setting trends in the sector, used in the Specialized Surgery Centers. This will allow the professional, in addition to expanding his personal knowledge, to be able to apply it with greater skill in his daily clinical practice.

“*Expand your knowledge through this Postgraduate Diploma in Advances in the Management of Spinal Tumors and Trauma that will allow you to specialize until you achieve excellence in this field*”

This **Postgraduate Diploma in Advances in the Management of Spinal Tumors and Trauma** contains the scientific most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Theoretical multimedia content developed with the latest educational technologies, accessible at all times.
- ♦ Video lessons on the different pathologies, as well as surgeries, will be shown.
- ♦ Practical workshops in which clinical cases of daily practice are developed, which will help in decision making, through diagnostic and treatment algorithms.
- ♦ Practical cases that will serve as self-evaluation and will mark the progress of the specialist's knowledge.
- ♦ Online surgical procedures, performed in the daily practice of these advances, live or previously recorded.
- ♦ Theoretical lessons, via videoconference, with the possibility of participating in a discussion forum to comment and clarify doubts.
- ♦ Chats for consultation of doubts about clinical cases with the students participating in the Postgraduate Diploma.
- ♦ Possibility to interact with the professors of the Postgraduate Diploma and to solve in a simulated environment, pathologies that arise in their daily practice.
- ♦ Review of all the classic techniques that have not changed the way they work, and are the basis of the knowledge to come.

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This Postgraduate Diploma is the best investment you can make in the selection of an updating program for two reasons: in addition to updating your knowledge in Advances in the Management of Spinal Tumors and Trauma, you will obtain a certificate endorsed by the first educational institution in Spain, TECH - Technological University"

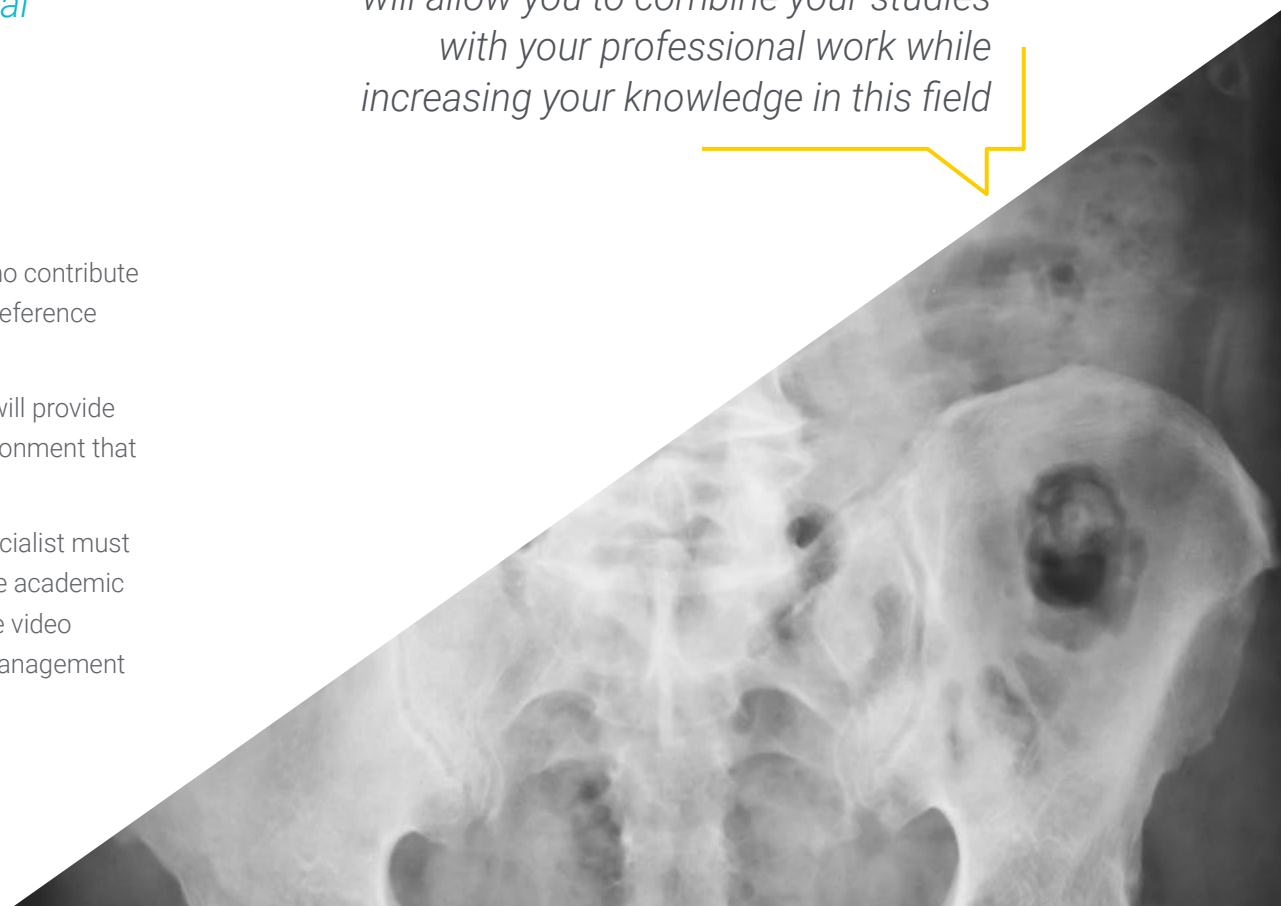
We offer you the best didactic material and dozens of video case studies that will allow you a contextual study that will facilitate your learning

This 100% online Postgraduate Diploma will allow you to combine your studies with your professional work while increasing your knowledge in this field

Its teaching staff includes professionals belonging to the field of surgery, who contribute their work experience to this training, as well as renowned specialists from reference societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

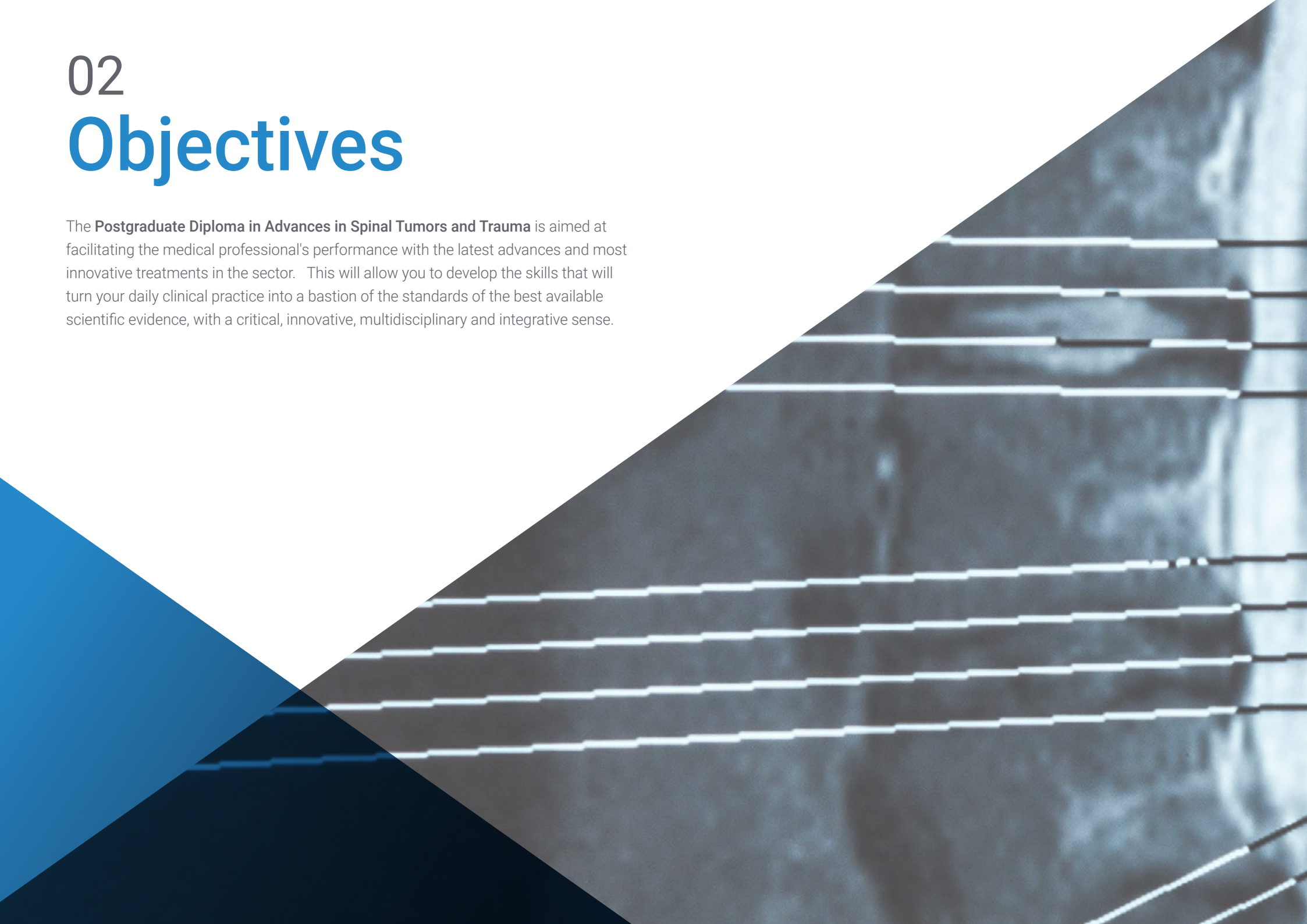
This program is designed around Problem Based Learning, whereby the specialist must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by a novel interactive video system created by renowned and experienced experts in Advances in the Management of Spinal Tumors and Trauma.



02

Objectives

The **Postgraduate Diploma in Advances in Spinal Tumors and Trauma** is aimed at facilitating the medical professional's performance with the latest advances and most innovative treatments in the sector. This will allow you to develop the skills that will turn your daily clinical practice into a bastion of the standards of the best available scientific evidence, with a critical, innovative, multidisciplinary and integrative sense.



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*This is the best option to learn about the latest developments in
Advances in the Management of Spinal Tumors and Trauma"*



General Objectives

- ♦ Establish biological, biomechanical, indication, procedure and result analysis criteria in Spinal Fusion.
- ♦ Learn the surgical steps of the cervical surgical procedure.
- ♦ Evaluate the patient's spine correctly and effectively.
- ♦ Know how to recognize those pathologies that represent a serious and urgent disease, and may compromise the life or functionality of a patient.
- ♦ Know the current options in the management of spinal tumor through decision-making processes, therapeutic planning, surgical techniques and perioperative care.
- ♦ Analyze the classifications of primary tumors, as well as the importance of obtaining the correct biopsy.
- ♦ Know the management of vertebral metastases.
- ♦ Correctly select and interpret the most appropriate radiographic, computed tomography (CT) and magnetic resonance imaging (MRI) for the diagnosis of traumatic spinal injuries.
- ♦ Analyze the appropriate plan to prevent complications of spinal cord trauma.
- ♦ Know the main complications that occur in Minimally Invasive Surgery in elderly patients.
- ♦ Learn what are the neurological complications in spinal surgery.



Specific Objectives

- ♦ Know the current options in the management of spinal tumor through decision-making processes, therapeutic planning, surgical techniques and perioperative care through knowledge based on scientific evidence.
- ♦ Achieve an understanding of the different primary benign spinal tumors.
- ♦ Analyze the different current therapeutic options in benign primary spinal tumors, using the development and presentation of different clinical cases.
- ♦ Know the use of denosumab in giant cell tumors.
- ♦ Learn the current management of low-grade primary malignant tumors, especially chondrosarcoma and chordoma.
- ♦ Know the therapeutic options and indications in acute spinal cord compression.
- ♦ Know the management of vertebral metastases.
- ♦ Learn the treatment and approach to vertebral tumors.
- ♦ Correctly select and interpret the most appropriate radiographic, computed tomography (CT) and magnetic resonance imaging (MRI) for the diagnosis of traumatic spinal injuries.
- ♦ Correctly classify upper cervical C 0-2, cervical subaxial spine, thoracolumbar spine and sacral fractures.
- ♦ Compare surgical and conservative treatment alternatives for different levels including upper cervical spine C 0-2, subaxial and thoracolumbar and sacral spine.
- ♦ Define the special features including vertebral fractures of patients with Ankylosing Spondylitis (AS), vertebral osteoporotic fractures and fractures of the immature pediatric spine.
- ♦ Analyze the appropriate plan to prevent complications of spinal cord trauma.

- ♦ Describe the characteristics of spinal cord shock and the different spinal cord injury syndromes.
- ♦ Know the role of vertebroplasty and its complications.
- ♦ Learn the role of Kyphoplasty and its complications.
- ♦ Know other percutaneous treatment techniques for osteoporotic vertebral compression fractures.
- ♦ Know the conservative treatment of fractures in the elderly.
- ♦ Learn about odontoid fractures in elderly patients and their treatment.
- ♦ Know the treatment for fractures in elderly patients with Ankylopoietic Spondylitis.
- ♦ Improve quality of life in elderly patients with fractures.
- ♦ Know the treatment of bone metastases in the spine of the elderly patient.
- ♦ Learn minimally invasive approaches.
- ♦ Know the advances in the use of new instrumentation, in the improvement of manufacturing materials and in the use of new grafts.



03

Course Management

The program includes in its teaching staff leading experts in Advances in the Management of Spinal Tumors and Trauma, who bring the experience of their work to this training. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.



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A team of professionals in the field has come together to teach you the latest developments in Advances in the Management of Spinal Tumors and Trauma"

International Guest Director

Awarded by the American Association of Neurological Surgeons for his advances in this clinical field, Dr. Jeremy Steinberger is a renowned physician specialized in the treatment of various spinal disorders. His philosophy is based on developing individualized therapeutic plans according to the specific needs of each patient, using minimally invasive techniques.

In this way, he has carried out his work in health institutions of international reference such as the Mount Sinai Health System in New York. Among his main contributions, he has led a wide range of surgical interventions that have managed to significantly reduce patients' chronic pain and, therefore, their quality of life. At the same time, he has developed different clinical protocols that have contributed to reduce the risks associated with post-surgical complications.

On the other hand, he has balanced these functions with his facet as a Scientific Researcher. In this sense, he has written numerous specialized articles on subjects such as preserving the mobility of individuals affected by spinal cord injuries, the use of emerging technology tools such as Robotics to guide operations and even the use of Virtual Reality to optimize precision during procedures. Thanks to this, he has managed to consolidate himself as a reference that has driven innovation in his field of work.

Committed to excellence, he has actively participated as a speaker at various international scientific congresses. In these events, he has shared his vast experience and the results of his research on Minimally Invasive Spinal Surgery; in addition to exposing the advantages of the use of cutting-edge instruments such as Augmented Reality in the treatment of diseases. This has allowed professionals to optimize their daily clinical practice, increasing the quality of care services and also improving the health of multiple people in the long term.



Dr. Steinberger, Jeremy

- Director of Minimally Invasive Surgery at Mount Sinai Health System, New York, United States
- Specialist in Neck and Spinal Pain Management
- Clinical Researcher with an extensive scientific production
- Internship in Orthopedic Spinal Surgery at Hospital for Special Surgery, New York
- Residency in Complex Spinal Surgery at Mount Sinai School of Medicine, New York
- PhD in Medicine from Yeshiva University
- Awarded on different occasions for his advances in the area of Spinal Surgery
- Member of: American Association of Neurological Surgeons, Society of Lateral Access Surgery and AO Spine

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

Management



Dr. Losada Viñas, Jose Isaac

- Coordinator of the Spine Unit of Alcorcón Foundation University Hospital
- PhD in Medicine and Surgery from the University of Navarra.
- Member of the Communication Committee of GEER (Raquis Diseases Study Group).
- National Basic Research Award SECOT 1995
- Numerous national and international articles and books



Dr. González Díaz, Rafael

- Head of the Spinal Surgery Unit at Niño Jesús Hospital (pediatric surgery) and at Rosario Hospital and Sanitas la Moraleja Hospital in Madrid (adult and pediatric surgery).
- Doctor of Medicine and Surgery, Extraordinary Prize. University of Salamanca
- Specialist in Orthopedic and Trauma Surgery. Spine Surgery
- Master's Degree in Medical Management and Clinical Management by the School of Health/UNED
- Former president of the Spanish Spinal Society GEER (Study Group of Spine Diseases).
- Secretary General of SILACO (Ibero-Latin American Spine Society).

Coordinators

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- ♦ Head of the COT department at Paraplegics National Hospital of Toledo.

Dr. Diez Ulloa, Máximo Alberto

- ♦ Head of Rachis Unit, Serv COT. U.C.H. Santiago de Compostela.

Dr. García de Frutos, Ana

- ♦ Spine Unit of the Vall d'Hebron Hospital in Barcelona and in the ICATME Spine Unit at the Quirón-Dexeus Clinic in Barcelona.

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- ♦ Spine Unit, COT Service, Donostia University Hospital.

Dr. Hidalgo Ovejero, Angel

- ♦ Head the COT Department. Ubarmin Hospital. Pamplona

Dr. Martín Benlloch, J. Antonio

- ♦ Dr Peset Hospital Valencia. Head of Spine Section, COT Service. Dr Peset University Hospital Valencia

Dr. Sanfeliu Giner, Miguel

- ♦ Head of the Spine Unit Section. COT service. General Hospital of Valencia.

Professors

Dr. Olmos, Matías Alfonso

- ♦ PhD in Medicine and Surgery
- ♦ Medical specialist in COT
- ♦ COT Department Director. Navarra University Clinic. Pamplona
- ♦ COT Professor. Faculty of Medicine of the University of Navarra.

Dr. Rodríguez de Lope Llorca, Ángel

- ♦ Doctor of Medicine and Surgery, Doctor specialized in Neurosurgery.
- ♦ Assistant Physician, Neurosurgery Department, Virgen de la Salud Hospital, Toledo.

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- ♦ Doctor of Medicine and Surgery, Doctor specialized in COT.
- ♦ Assistant Physician, COT Service, Paraplegic National Hospital of Toledo.

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- ♦ Doctor of Medicine and Surgery.
- ♦ Medical specialist in COT Alemana Clinic and Air Force Clinical Hospital, Santiago de Chile.
- ♦ Professor of the Faculty of Medicine, Development University. Santiago de Chile

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- ♦ COT service. Alcorcón Foundation University Hospital. Madrid

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- ♦ Doctor of Medicine and Surgery.
- ♦ Medical specialist in COT Head of COT Villalba Hospital. Madrid
- ♦ Associate Professor at the COT. Autonomous University of Madrid

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Dr. Segura, Teresa

- ♦ COT service. Alcorcón Foundation University Hospital. Madrid.

Dr. Betegón Nicolas, Jesús

- ♦ Specialist Degree in Orthopedic Surgery and Traumatology Raquis Surgery Unit.
- ♦ University Health Care Complex of León.

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- ♦ Spine Unit. La Fe University Hospital (Valencia).

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- ♦ FEA Traumatology and Orthopedic C. Rachis Unit. Navarra Hospital Complex.

Dr. Martínez Agüero, José Ángel

- ♦ Marqués de Valdecilla University Hospital
- ♦ Specialist in Traumatology and Orthopedic Surgery attached to the Surgical Raquis Unit.

Dr. Cueto-Felgueroso, Paloma de la Dehesa

- ♦ Marque de Valdecilla University Hospital (Santander - Cantabria).
- ♦ Orthopedic Surgery and Traumatology Area Specialist - Spine Unit

Dr. Menéndez García, Miguel



04

Structure and Content

The structure of the content has been designed by the best professionals in the sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to teaching.





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This Postgraduate Diploma in Advances in the Management of Spinal Tumors and Trauma contains the scientific most complete and up-to-date scientific program on the market”

- 1.1. General Information of Vertebral Tumors.
 - 1.1.1. Pathophysiology of Vertebral Tumors
 - 1.1.2. Prevalence and Incidence.
 - 1.1.3. Form of Presentation and Common Symptoms of Spinal Tumors.
 - 1.1.4. Physical Examination and Laboratory Studies.
 - 1.1.5. Why are Spinal Tumors a Big Problem?
 - 1.1.6. Common Radiotherapy Techniques for Spinal Tumors, their Indications and Special Technical Considerations.
 - 1.1.7. Effects of Chemotherapy on the Malignant Cells of These Tumors.
- 2.1 Management of the Patient with Suspected Vertebral Tumor
 - 2.1.1. Diagnostic Imaging and Percutaneous Biopsy.
 - 2.1.2. Principles and Approaches to Perform Biopsies.
 - 2.1.3. Histological Management of the Specimen.
- 3.1. Benign Primary Tumors.
 - 3.1.1. Main Benign Tumors of the Spine.
 - 3.1.2. Description and Indications for Percutaneous Surgery
 - 3.1.3. Surgical Treatment.
- 4.1. Primary Malignant Tumors of the Spine.
 - 4.1.1. Main Primary Malignant Tumors of the Spine.
 - 4.1.1.1. Multiple Myeloma and Plasmacytoma.
 - 4.1.1.2. Lymphoma.
 - 4.1.2. Oncologic and Surgical Staging.
 - 4.1.3. Low-grade and High-grade Malignant Tumors.
 - 4.1.4. Posterior Surgical Treatment. Technique of Resection in Bloc of Thoracolumbar and Cervical Tumors. Sacral Tumor Resections.
 - 4.1.5. Radiotherapy in Malignant Tumors. Indications and Results.
 - 4.1.6. Results and Complications of Surgery.





- 5.1. Vertebral Metastases.
 - 5.1.1. Pathophysiology of Vertebral Metastases and Oncologic Management of the Patient.
 - 5.1.2. Main Metastatic Tumors in the Spine.
 - 5.1.2.1. Lung, Breast, Genitourinary, Gastrointestinal.
 - 5.1.3. Scales of Assessment and Prognosis
 - 5.1.4. Oncologic Management. Radiotherapy Indications and Results.
 - 5.1.5. Pain Management in Patients with Vertebral Metastases.
- 6.1. Surgical Management of Metastases.
 - 6.1.1. Application of the Treatment Protocol. Indications for Surgery of Vertebral Metastases.
 - 6.1.2. Percutaneous Treatment Vertebroplasty and Kyphoplasty.
 - 6.1.3. Palliative Versus Radical Treatment in Vertebral Metastases.
 - 6.1.4. Complications of Surgery and Medical Care. How to Anticipate and Manage Them.
- 7.1. Trauma of the Thoracolumbar Spine and Sacrum.
 - 7.1.1. Imaging in Thoracolumbar and Sacral Fractures.
 - 7.1.1.1. Use of the AO Classification.
 - 7.1.1.2. Selection of the Most Appropriate Images to Identify Major or Minor Trauma.
 - 7.1.1.3. Management and Use of Radiological Images.
 - 7.1.1.4. Define the Indications for Appropriate Use of CT or MRI.
 - 7.1.1.5. Recognize Special Circumstances that Compromise Spinal Cord Function.
 - 7.1.2. Thoracic-Lumbar Spine Trauma; Classification and Management.
 - 7.1.2.1. Recognize the Signs and Symptoms of Thoracolumbar Fractures.
 - 7.1.2.2. Differentiate between Denis, AO and TLICS Classifications.
 - 7.1.2.3. Explain the Role of Ligaments in Burst Fractures.
 - 7.1.2.4. Evaluate the Different Surgical Techniques: Anterior Approach including MIS Techniques or Posterior Approach including MIS Technique or Both Approaches.

- 7.1.3. Sacral Fractures: Classification and Treatment.
 - 7.1.3.1. Description of Important Anatomical Aspects.
 - 7.1.3.2. Differentiate the Different Types of Sacral Fractures.
 - 7.1.3.3. Use of the AO Classification.
 - 7.1.3.4. Recognize the Signs and Symptoms of Sacral Fractures.
 - 7.1.3.5. Compare Surgical or Conservative Treatment.
 - 7.1.3.6. Evaluate the Correct Surgical Options.
- 8.1. Cementation Techniques via MIS
 - 8.1.1. Explanation of the Steps to Perform a Cementoplasty Technique, Including Correct Patient Positioning.
 - 8.1.2. Correct Positioning of the Fluoroscope.
 - 8.1.3. Placement of the Jamshidi Needles and their Exchange for the Working Cannula.
 - 8.1.4. Fixation with Cemented Screws via MIS. Indications
 - 8.1.5. Explanation of the Steps to Performing a Pedicle Screw Fixation Technique and Performing a Cementoplasty, Including Correct Patient Positioning
 - 8.1.6. Placement of Jamshidi Needles and Subsequent Tapping and Screw Placement.
 - 8.1.7. How the Cement is Injected into the Vertebrae and its Particularities.
 - 8.1.8. Placement of Percutaneous Bars.
- 9.1. Fractures in Metabolic Spine Diseases and Pediatric Spine Fractures.
 - 9.1.1. Fractures in Ankylosing Spondylitis (AS): Characteristics and Treatment.
 - 9.1.1.1. Etiology of Ankylosing Spondylitis.
 - 9.1.1.2. Determine the Role of the Spine Surgeon in AS.
 - 9.1.1.3. Identify what Type of Imaging is Needed for its Diagnosis and Why.
 - 9.1.1.4. Formulating an Appropriate Treatment Plan for Fractures.
 - 9.1.1.5. Anticipate Difficulties in this Patient Population.
 - 9.1.2. Vertebral Osteoporotic Fractures. Diagnosis and Treatment.
 - 9.1.2.1. Define Osteoporosis.
 - 9.1.2.2. Description of the Medical Therapeutic Treatment of Osteoporosis.
 - 9.1.2.3. Know the Diagnosis of Osteoporotic Vertebral Fractures.
 - 9.1.2.4. Use of the AO Classification for Osteoporotic Vertebral Fractures.
 - 9.1.2.5. Evaluate the Different Surgical Alternatives.
 - 9.1.2.6. Recognize the Indications for Cementoplasty procedures for Osteoporotic Vertebral Fractures.
 - 9.1.2.7. Recognize the Indications for Instrumentation of the Spine With or Without Cementoplasty.
 - 9.1.3. Pediatric Spine Fractures. Characteristics and Treatment
 - 9.1.3.1. Characteristics of Immature Cervical and Thoracolumbar Spine Fractures.
 - 9.1.3.2. Define SCIWORA/SCIWORET.
 - 9.1.3.3. Explain the Mechanism of Cervical Spine and Lumbar Apophysis Injuries.
 - 9.1.3.4. Determine the Appropriate Plan for Diagnosis and Treatment of Injuries.
- 10.1. Posttraumatic Kyphosis.
 - 10.1.1. Prevention and Treatment of Posttraumatic Kyphosis.
 - 10.1.1.1. Discussion of the Reasons for Posttraumatic Kyphosis.
 - 10.1.1.2. Formulate Treatment Objectives.
 - 10.1.1.3. Explain How to Restore Sagittal Balance.
 - 10.1.1.4. Evaluate the Surgical Options.
 - 10.1.1.5. Justify the Approach by a Multidisciplinary Team.
 - 10.1.2. Treatment of Fractures by Minimally Invasive Techniques.
 - 10.1.2.1. Role of Vertebroplasty and its Complications.
 - 10.1.2.2. Role of Kyphoplasty and its Complications.
 - 10.1.2.3. Other Percutaneous Treatment Techniques for Osteoporotic Vertebral Compression Fractures.



- 11.1. Management of Vertebral Fractures in Elderly Patients.
 - 11.1.1. Conservative Treatment of Fractures in the Elderly.
 - 11.1.2. Odontoid Fractures in Elderly Patients: Functional and Quality of Life Outcomes of Patients With and Without Surgery.
 - 11.1.3. Fractures in Elderly Patients with Ankylopoietic Spondylitis.
 - 11.1.4. Quality of Life in Elderly Patients with Fractures.
 - 11.1.5. Surgical Treatment of Osteoporotic Compression Fractures in the Elderly.
 - 11.1.5.1. Role of Vertebroplasty.
 - 11.1.5.2. Paper Kyphoplasty.
 - 11.1.5.3. Structural Osteoplasty Role.
 - 11.1.5.4. Vesselplastia.
 - 11.1.5.5. Use of Biologicals.
- 12.1. Treatment of Tumors in Elderly Patients.
 - 12.1.1. Treatment of Bone Metastases in the Spine of the Elderly Patient.
 - 12.1.2. Minimally Invasive Approaches.



This will provide key training to advance your career"

05

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: *Re-learning*.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, 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 can experience a way of learning that is shaking the foundations of traditional universities around the world



According to Dr. Gervas, 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.



The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this program you will have access to the best educational material, prepared with you 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 really specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Re-Testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.
Learning from an expert strengthens knowledge and memory, and generates confidence in our difficult future decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

Certificate

The **Postgraduate Diploma in Advances in the Management of Spinal Tumors and Trauma** guarantees you, in addition to the most rigorous and up-to-date training, access to a certificate issued by **TECH - Technological University**.





“

Successfully complete this training and receive your certificate without travel or laborious paperwork”

This program will allow you to obtain your **Postgraduate Diploma in Advances in the Management of Spinal Tumors and Trauma** endorsed by **TECH Global University**, the world's largest online university.

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

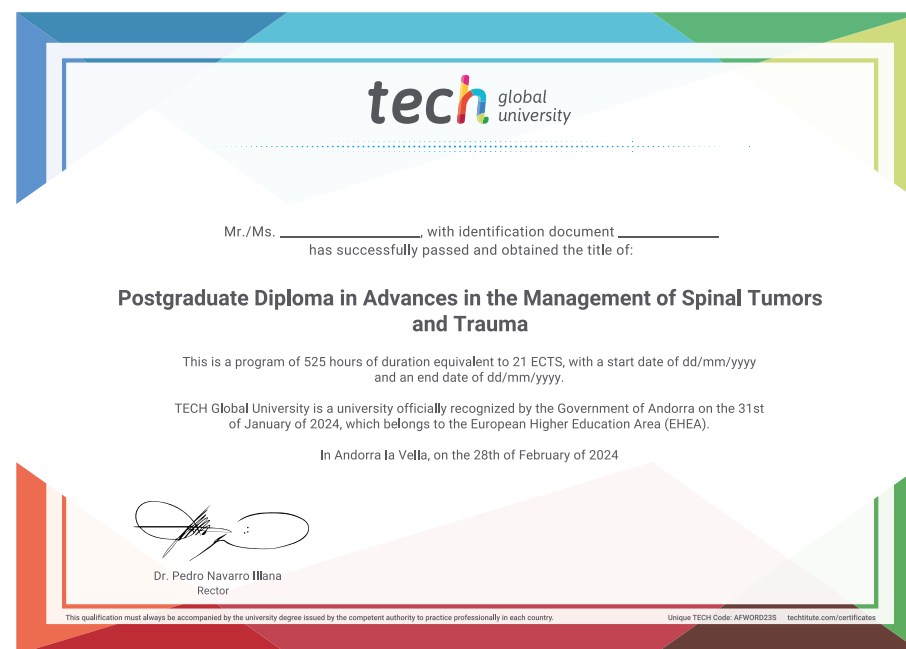
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Advances in the Management of Spinal Tumors and Trauma**

Modality: **online**

Duration: **6 months**

Accreditation: **21 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

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development languages

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Postgraduate Diploma
Advances in the Management
of Spinal Tumors and Trauma

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 21 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Advances in the Management of Spinal Tumors and Trauma

