Postgraduate Diploma

Advances in the Diagnosis, Treatment, and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma

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Postgraduate Diploma

Advances in the Diagnosis, Treatment and Monitoring of Renal, Suprarenal and Retroperitoneal Carcinoma

Course Modality: **Online**
Duration: **6 months.**
Certificate: **TECH Technological University**
Teaching Hours: **400 hours.**
Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-advances-diagnosis-treatment-monitoring-renal-suprarenal-retroperitoneal-carcinoma

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01

Introduction

Medical specialties have evolved throughout history to where they are today, but by looking at their own history we are fully aware that they will undergo further reforms and changes in the future. When we talk specifically about urology and its oncological treatment, it is enough to review the last 30 years to realize what the immediate future holds.

The Postgraduate Diploma in Advances in the Diagnosis, Treatment, and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma contains the most complete and up-to-date scientific program on the market"

The evolution of scientific knowledge in the field of oncology in general, and urological oncology in particular, allows us to offer systemic treatments directed at the same time to specific therapeutic targets. This reality is, if possible, even more evident in the field of Uro-Oncology. As a result of this current situation, the specialties of Urology and Oncology have been coming together such that there are many fields in which the boundaries between the two are not defined, mainly because they no longer exist.

Modern medicine leads its professionals to an ever-increasing and demanding super-specialization, which translates into the well-known oncology or multidisciplinary committees. We are convinced that the present challenges and those in the immediate future in the field of Uro-Oncology require a specific training that is only partially covered by the separate specializations, requiring an Expert of these characteristics to cover a real and growing need in modern Medicine.

The existence now of new molecules in the treatment of prostate cancer opens up a completely new scenario for our patients. Any professional who wants to treat these patients properly, urgently needs to acquire new knowledge in an easy and effective way, as the advent of so much new information will unequivocally overwhelm us. Only those physicians adequately specialized in uro-oncology will have the capacity to properly care for their patients, thus enabling them to continue aboard this already unstoppable train.

The **Postgraduate Diploma in Advances in the Diagnosis, Treatment, and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- Clinical cases presented by experts in the different specialties. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- News on the Diagnosis, Treatment, and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma.
- Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- With special emphasis on evidence-based medicine and research methodologies in Urologic Oncology.
- 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.

Don't miss the opportunity to update your knowledge on the advances in the diagnosis and treatment renal, suprarenal and retroperitoneal carcinoma to improve patient care"

This Postgraduate Diploma may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge of the diagnosis and treatment renal, suprarenal and retroperitoneal carcinoma, you will obtain an Postgraduate Diploma from TECH Technological University"

Forming part of the teaching staff is a group of professionals in the world of Urologic Oncology, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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 program to train in real situations.

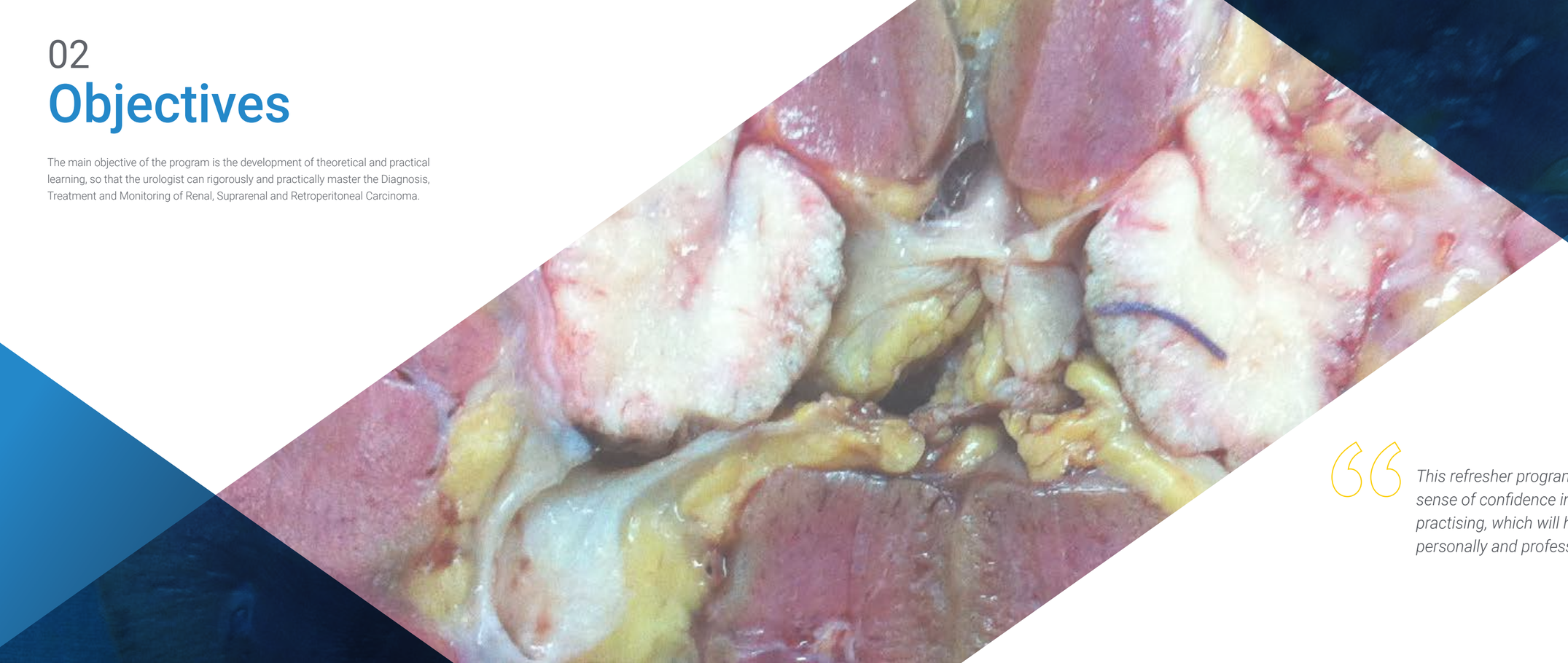
This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of uro-oncology who also have extensive teaching experience.

Increase your decision-making confidence by updating your knowledge with this Postgraduate Diploma in Advances in the Diagnosis, Treatment and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma.

This program offers training in simulated environments, which provides an immersive learning experience designed to train for real-life situations.

02
Objectives

The main objective of the program is the development of theoretical and practical learning, so that the urologist can rigorously and practically master the Diagnosis, Treatment and Monitoring of Renal, Suprarenal and Retroperitoneal Carcinoma.



This refresher program will generate a sense of confidence in the urologist when practising, which will help them grow both personally and professionally"

General Objectives

- Provide students with the necessary tools to lead multidisciplinary uro-oncology groups.
- Explain the molecular basis of oncogenesis to be able to incorporate new molecules directed to specific targets already available, as well as to be able to collaborate on research projects and in clinical trials of new molecules that are about to arrive in the short and medium term.
- Describe current lines of research in renal, suprarenal and retroperitoneal carcinoma.
- Disseminate the most recent results (even if only partially published at the time) of the findings of clinical trials of new molecules to be presented in the near future.
- Explain the new diagnostic and therapeutic techniques in renal, suprarenal and retroperitoneal carcinoma.

Specific Objectives

- Describe the molecular biology of cancer in urologic oncology and specifically in the different urological tumors.
- Explain the prognostic factors related to the occurrence of urologic cancer.
- Explain the use of different tumor markers and their diagnostic implications in uro-oncology. Acquire in-depth knowledge of the future of tumor markers in urology.
- Describe the different paraneoplastic syndromes related to urologic oncologic pathology.
- Describe the basic principles of tumor genetics in urologic oncology.
- Describe the main oncologic emergencies in Urology and their possible management.
- List oncological principles in urology such as etiology, susceptibility, epidemiology, etc.
- Describe the principles of oncologic surgery in urology.
- Explain the relationship and importance of the clinical trial in the urological oncology patient.
- Describe existing tumor markers and their current applicability.
- Acquire knowledge of the new diagnostic tools available and their clinical applicability.
- Explain the histology and staging methods of prostate carcinoma.
- Apply the adequate and guaranteed approach to active surveillance.
- Identify treatment options that are intended to be curative.
- Acquire the knowledge and criteria for Focal Therapy and its different energy sources.
- Explain prostate cancer pathophysiology.
- Describe the mechanism of action of new molecules for the treatment of prostate cancer.
- Explain the diagnosis and treatment of castration-resistant prostate carcinoma (CRPC).
- Describe the adequate management of metastatic patients in all its implications.

03

Course Management

This program includes highly regarded health professionals in the field of uro-oncology in its teaching staff, who bring the experience of their work to this training.

Also involved in designing and preparing the program are renowned specialists who are members of prestigious national and international scientific communities.

Learn from leading professionals the latest advances in the diagnosis and treatment of renal, suprarenal and retroperitoneal carcinoma"

International Guest Director

Dr. Kai Tsao is the Medical Director of the Ruttenberg Treatment Center at the Tisch Cancer Institute at Mount Sinai Hospital. His mission in this position is to lead the multidisciplinary treatment center to provide the highest quality of patient-centered care for those affected by Cancer and blood disorders.

He is an Associate Professor of Medicine, Hematology and Medical Oncology at the Icahn School of Medicine at Mount Sinai and is on staff at the Tisch Cancer Institute at Mount Sinai Hospital and the Mount Sinai Queens Infusion Center.

Dr. Tsao is board certified in Internal Medicine, Hematology and Medical Oncology. He is actively involved in research on the development of new therapies in the treatment of genitourinary cancers. He has received several merit awards from the American Society of Clinical Oncology. His main objective is to define the clinical and molecular phenotype of prostate, kidney and bladder cancers, as well as new therapies in these disease states. He is principal investigator in several ongoing clinical trials and has authored more than 40 peer-reviewed publications.

Dr. Tsao, Kai

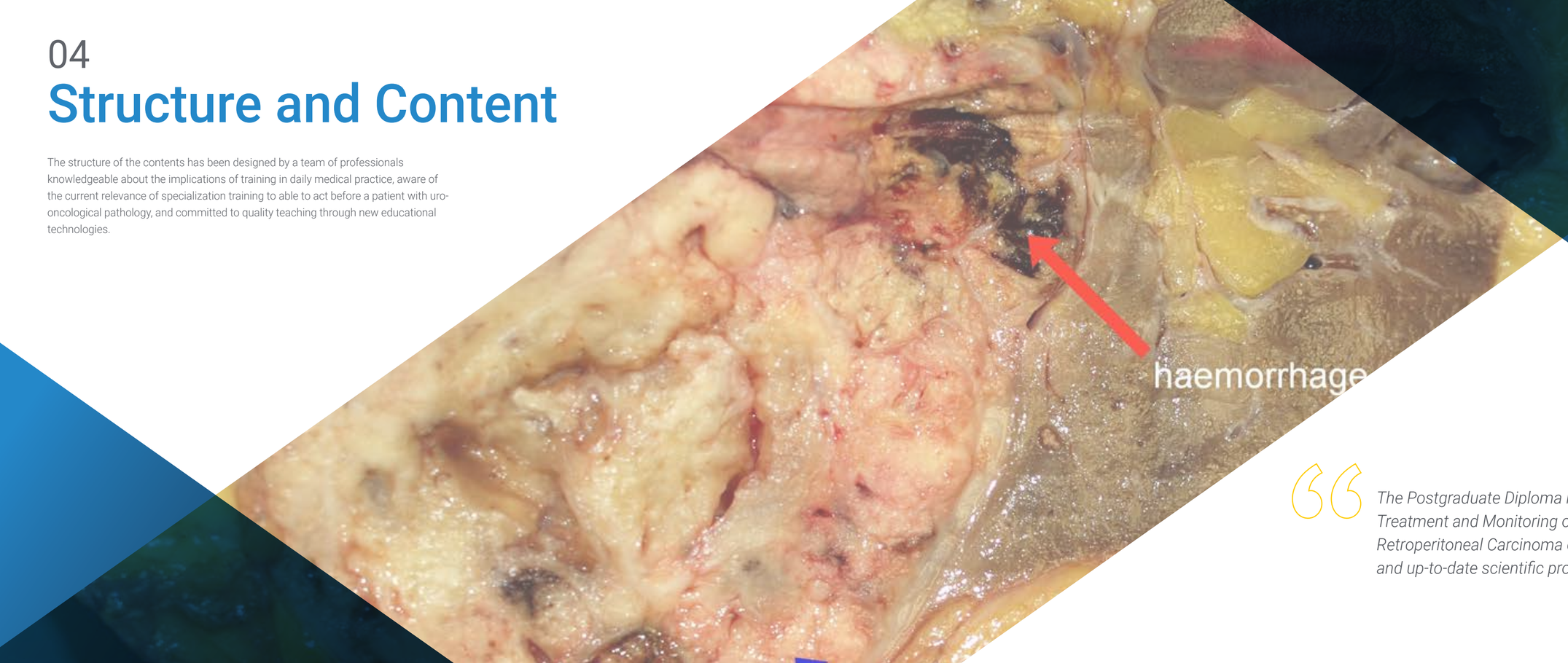
- Medical Director of the Ruttenberg Treatment Center of the Tisch Cancer Institute at Mount Sinai Hospital
- Principal investigator on several clinical trials
- Participant in research on the development of new therapies for the treatment of genitourinary cancers
- Lecturer at the Icahn School of Medicine at The Mount Sinai School of Medicine
- Author of more than 40 scientific publications
- Recipient of several merit awards given by the American Society of Clinical Oncology
- Member of:
- American Society of Clinical Oncology
- American Association for Cancer Research
- American Society of Hematology

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

04

Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily medical practice, aware of the current relevance of specialization training to able to act before a patient with uro-oncological pathology, and committed to quality teaching through new educational technologies.



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Module 1. Update Oncological Principles, Functional Sequelae and Support Treatments of Patients with Urological Tumors

1.1. Molecular Biology of Cancer.
1.2. Prognostic Factors, Tumor Markers, and Paraneoplastic Syndromes in Urologic Oncologic Pathology.
1.3. Tumor Genetics.
1.4. Oncologic Emergencies in Urology.
1.5. Oncological Principles: Etiology, Susceptibility, and Epidemiology.
1.6. Principles of Urologic Surgical Oncology.
1.7. Clinical Trials in Urologic Oncology Patients.
1.8. Supportive Care of the Oncologic Patient in Urology.
1.9. Genitourinary Functional Sequelae of Oncologic Treatments in Urology.
  1.9.1. Surgical Andrology.
  1.9.2. Reconstructive Surgery.
1.10. Nuclear Medicine and Molecular Imaging in Oncologic Tumor Pathology.
  1.10.1. Scientific Evidence in Uro-oncology.
  1.10.2. New Tracers.

Module 2. News on the Diagnosis, Treatment and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma.

2.1. Epidemiology and Etiopathogenesis.
2.2. Diagnostic Imaging and Clinical Staging.
  2.2.1. Doppler and Contrast Ultrasound: Evaluation of Complicated Renal Cyst, Renal Mass and Dissemination.
  2.2.2. MRI and CT: Diagnosis, Staging and Monitoring.
2.3. Pathological Anatomy.
  2.3.1. WHO.
  2.3.2. ISUP.
  2.3.3. Fürhmnan.
  2.3.4. Clear Cells.
  2.3.5. Papillary.
  2.3.6. Chromophobic.
  2.3.7. Other Histologies.
2.4. Renal Tumor Biopsy.
  2.4.1. Technical Aspects.
  2.4.2. Indications.
  2.4.3. Side Effects.
  2.4.4. Efficacy
  2.4.5. Cystic Lesions.
2.5. Prognostic Factors.
  2.5.1. TNM.
  2.5.2. Histological Factors.
  2.5.3. Clinical Factors.
  2.5.4. Molecular Factors.
2.6. Localized Renal Carcinoma.
  2.6.1. Monitoring.
  2.6.2. Radical vs. Nephron-Sparing Surgery.
  2.6.3. Nephron-Sparing Surgery.
  2.6.4. Adrenalectomy.
  2.6.5. Lymphadenectomy.
  2.6.6. Pre-Nephrectomy Embolization.
  2.6.7. Ablative Treatments.
2.7. Advanced Localized Renal Carcinoma.
  2.7.1. cN+.
  2.7.2. Unresectable Tumors.
  2.7.3. IVC Thrombosis.
  2.7.4. Adjuvant and Neoadjuvant Treatment.
  2.7.5. Clinical Trials.
2.8. Advanced or Metastatic Renal Carcinoma.
  2.8.1. The Role of Radical Nephrectomy.
  2.8.2. Cytoreductive Surgery + Immunotherapy.
  2.8.3. The Role of Metastasectomy.
  2.8.4. Radiotherapy.
  2.8.5. Embolization.
  2.8.6. Symptomatic Treatment of Patients With Renal Carcinoma.
2.9. Systemic Treatment.
  2.9.1. Chemotherapy.
  2.9.2. Immunotherapy.
    2.9.2.1. Advances in Immunotherapy.
    2.9.2.2. α- IFN.
    2.9.2.3. IL-2.
    2.9.2.4. Vaccines and Targeted Immunotherapies.
      2.9.2.4.1. Tumor Antigen 5T4 + 1st Line Therapies.
      2.9.2.4.2. Anti PD-1 or PD-L1 Antibodies.
  2.9.3. Targeted Therapy.
    2.9.3.1. Advances in Targeted Therapy.
    2.9.3.2. IMDC Risk/Prognostic Groups: Therapeutic Implication.
    2.9.3.3. Tyrosine Kinase Inhibitors.
    2.9.3.4. Monoclonal Antibodies Against Circulating VEGF.
    2.9.3.5. mTOR Inhibitors.
  2.9.4. 1st Line Treatment: Sunitinib.
  2.9.5. 1st Line Treatment: Pazopanib.
  2.9.6. 1st Line Treatment: Other Options.
  2.9.7. 1st Line Treatment in Patients with Poor Prognosis: Temsirolimus.
  2.9.8. 1st Line Treatment Positioning.
  2.9.9. 2nd Line Treatment: Axitinib.
  2.9.10. 2nd Line Treatment: Everolimus.
  2.9.11. 2nd Line Treatment: Cabozatinib.
  2.9.12. 2nd Line Treatment: Nivolumab
  2.9.13. 2nd Line Treatment: Subsequent Options.
  2.9.14. Therapeutic Sequencing in Renal Carcinoma: Treatment Positioning.
  2.9.15. Symptomatic Treatment of Patients With Renal Carcinoma.
  2.9.16. Non-Clear Cell Carcinomas.
2.10. Monitoring.
  2.10.1. Imaging Tests.
  2.10.2. Recurrence: Local and Distant.
  2.10.3. Ablative Treatments.
2.11. Drug Resistance Mechanism.
2.12. Main Developments in Metastatic Renal Cancer: Ongoing Clinical Trials.
2.13. Suprarenal Mass.
  2.13.1. Differential Diagnosis.
  2.13.2. Functioning Mass Diagnosis.
  2.13.3. Surgical Treatment.
  2.13.4. Metastatic Cancer.
2.14. Primary Retroperitoneal Tumors.
  2.14.1. Differential Diagnosis.
  2.14.2. Diagnostic Techniques.
  2.14.3. Surgical Treatment.
  2.14.4. Metastatic Cancer.

A unique, key, and decisive training experience to boost your professional development"

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

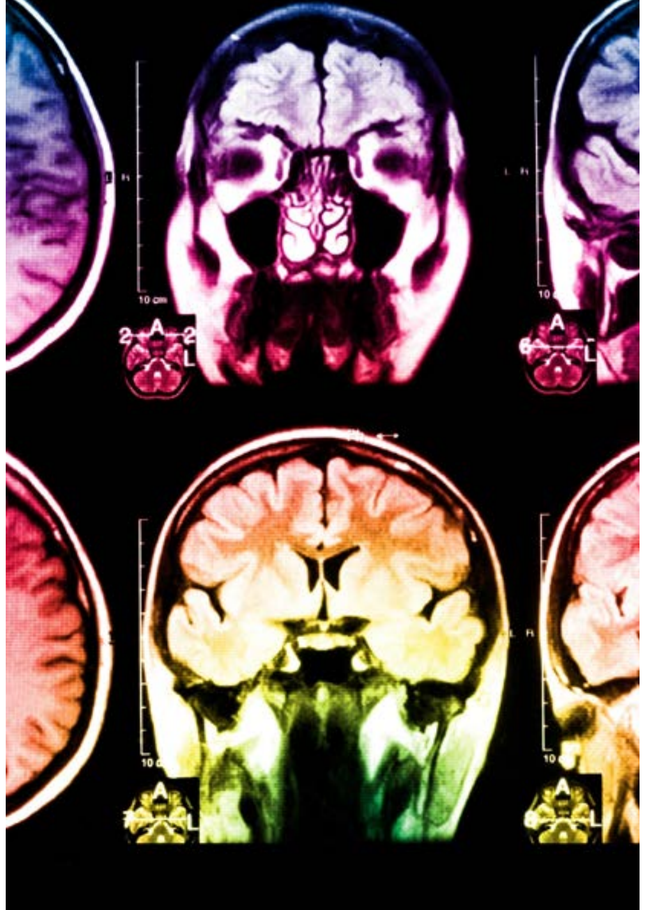
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.

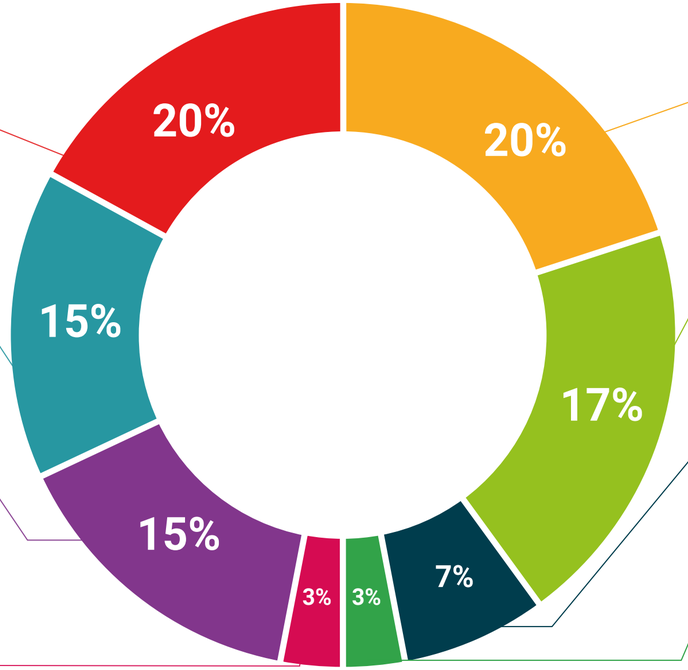
Interactive Summaries

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

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.



Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

06

Certificate

The Postgraduate Diploma in Advances in the Diagnosis, Treatment and Monitoring Renal, Suprarenal, and Retroperitoneal Carcinoma guarantees, in addition to the most rigorous and up-to-date training, access to a university diploma issued by TECH Technological University.

Successfully complete this training and receive your university degree without travel or laborious paperwork"

This **Postgraduate Diploma in Advances in the Diagnosis, Treatment and Monitoring of Renal, Suprarenal and Retroperitoneal Carcinoma** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees

Title: **Postgraduate Diploma in Advances in the Diagnosis, Treatment and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma**

Official Number of Hours: **400**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Advances in the Diagnosis, Treatment and Monitoring of Renal, Suprarenal, and Retroperitoneal Carcinoma

This is a qualification awarded by this University, equivalent to 400 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

Unique TECH Code: AFWOR23S

techtitute.com/certificate

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

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