

Internship Program Update in Urological Surgery



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Internship Program
Update on Urologic Surgery

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01 Introduction

In the field of urological surgery there have been constant advances in the approach to the different pathologies, with notorious and interesting developments for all professionals in the field. Acquiring the ability to work with them requires an Internship Program, such as the one this program provides. A direct and intensive learning path, in which the specialist will be part of a multidisciplinary team of physicians who will be his guides in this process. The potential of this program will extend from the possibility of developing knowledge in a real way, in a leading hospital environment at the forefront of technology and health. The program will be spread over 3 educational weeks, under the guidance of a designated tutor who will guide the student through different surgical procedures.



Join one of the leading clinical centers in Urological Surgery and access a state-of-the-art and modern healthcare environment to continue updating your knowledge”





In recent years, there have been many surgical advances and innovations in the urological field. In particular, minimally invasive surgery techniques, the use of lasers, robotics, digital endoscopes, among others, are distinguished. Based on these procedures, science has led to a faster recovery and a better prognosis for patients. In addition, all these diagnostic and therapeutic options generate a high volume of information that sometimes makes it difficult to reconcile daily clinical and surgical practice. It is therefore essential for physicians to be able to respond adequately to the evolution of scientific and technological knowledge, and to the evolution of their field of action in the different healthcare systems, by means of appropriate training.

This exclusively practical program brings students up to date with the technological breakthrough in the disciplines dedicated to the care of patients with urological pathologies. These innovations have led to improved scientific and clinical knowledge about the diagnosis and care of urinary tract diseases. During this program, the student will handle all these equipments and apply their functionalities for the diagnosis and therapy of complex conditions. These include novel techniques for the development of renal transplants and the removal of malignant tumors. At the same time, the student will be updated on the anatomical and pathological differences that distinguish the female and male apparatus and that have been recently discovered.

All this will take place through a face-to-face stay, 100% practical, in an institution of international prestige in the hospital field and in the field of Urological Surgery. Throughout this training, patients with various pathologies affecting the kidneys and urinary tract will be treated by the best specialists, using the latest techniques based on scientific evidence, and achieving results previously difficult to achieve. The academic process will be closely supervised by a designated tutor. This expert will be in charge of supervising the student's progress, as well as including him/her in surgical procedures of varying complexity.

02

Why Study an Internship Program?

Scientific and technological advances in the field of urology have brought with them a number of surgical alternatives for the removal of cancerous tumors, the extraction of kidney stones and the implementation of non-invasive surgical techniques. The updating of these procedures is continuous, which obliges the students to maintain a permanent study of all these advances. However, the pedagogical market does not offer enough alternatives to guarantee the practical preparation of specialists. For this reason, TECH has devised an innovative program, focused on the rapid assimilation of the most complex equipment and work trends. This program will last 3 weeks in a rigorous and internationally renowned hospital facility.



Through this program, you will have access to unique healthcare environments where, under personalized supervision, you will treat patients with urinary pathologies of varying complexity of varying complexity”

1. Updating from the latest technology available

This TECH Urologic Surgical Refresher Internship Program offers a unique opportunity to analyze the tools and techniques for the development of non-invasive surgery, transplant removal and the care of distinctive pathologies between men and women. Likewise, the program allows the development of practical skills for the handling of all these equipments, in the context of a dynamic and demanding on-site stay.

2. Gaining In-Depth Knowledge from the Experience of Top Specialists

During this program, TECH students will be accompanied by a large team of professionals. With their help, graduates will develop complex theoretical knowledge and discuss real cases from everyday work practice. At the same time, during the on-site internship, they will have a designated tutor to complement their skills and facilitate their insertion in the work environment of prestigious health institutions.

3. Getting into World-Class 3D Modeling Environments

TECH carefully selects all available centers for Internship Programs. In this way, students will have access to various hospital environments that today require the most qualified experts for Urological Surgery. Among the market niches that graduates will learn about are the differentiated care of women and men for the care of well-differentiated complications of the urinary system.



4. Combining the Best Theory with State-of-the-Art Practice

The academic market is plagued by pedagogical programs that are poorly adapted to the daily work of the specialist and that require long hours of theoretical education, often not very compatible with personal and professional life. TECH offers a new learning model, 100% practical, that allows you to get in front of state-of-the-art procedures in the field of Urological Surgery.

5. Expanding the Boundaries of Knowledge

This Internship Program will give you access to highly prestigious healthcare centers. At the same time, the program has close links with institutions located in different latitudes, to which you will also be able to expand your horizons. This unique opportunity is made possible by TECH's network of international contacts and collaborators.



You will have full practical immersion at the center of your choice"

03 Objectives

The objective of this program is to achieve an update on the latest diagnostic and therapeutic procedures regarding urological surgeries. This training will be developed in an exclusively practical way, through a hospital stay designed with clinical and academic rigor. In addition, the entire educational process will be supervised by top professionals, in a hospital center recognized for its high technological innovation.



General Objectives

- Manage the technological tools, as well as the most updated diagnostic and therapeutic techniques in Urological Surgery
- Master the anatomical differences and pathological possibilities that distinguish the female from the male urinary tract
- Identify new developments in urological surgical pathologies and renal transplants



Make the most of this opportunity to surround yourself with expert professionals and learn from their work methodology”





Specific Objectives

- Update basic perioperative management and instrumentation and drainage of the urinary tract, as well as basic aspects of endourology, laparoscopy with all its variants and robotics
- Correct application of endoscopic, radiological and urodynamic examinations, as well as prostate biopsies
- Recognize the indications, contraindications, surgical limits and different access routes and surgical techniques for adrenal pathology, as well as the necessary tricks to avoid or minimize complications during or after surgery
- Identify the indications, contraindications and access routes of renal diseases
- Explain the different nephrectomy techniques and methods of partial excision of tumors, as well as the details of laparoscopic or percutaneous focal treatment of renal masses
- Recognize the indications, contraindications and access routes, as well as the material commonly used and technological innovations for the treatment of both tumor and benign pathology, including upper urinary tract lithiasis
- Examine the different methods of treatment of tumor and non-tumor pathology of the bladder, both endoscopic, laparoscopic or robotic, and with open surgery in cases of urinary diversions or malformations
- Recognize the current concepts on diagnostic and therapeutic techniques, as well as their indications and contraindications in cases of prostatic tumor pathology, with their different approaches, including novelties such as focal therapy with the aid of radiological methods and other techniques such as radio and brachytherapy
- To review the latest evidence on the indications and timeliness of techniques to treat benign prostatic hyperplasia
- Apply the techniques indicated for the different forms of urethral strictures, contraindications, the use of the most convenient materials or patches and how to avoid further complications
- To review the most frequently used techniques for the surgical treatment of hypospadias and the different approaches for fistula management
- Distinguish the different techniques to treat penile tumor pathology, penile incurvation, and those used in cases of erectile dysfunction, including penile prostheses and the most frequently used types, as well as expected complications and contraindications



Under the guidance of specialists of recognized quality in this field of work, you will intervene in the different cases that arise in the reality of hospital work in Urological Surgery”

04 Educational Plan

This Internship Program will take place from Monday to Friday, in 8-hour days, until 120 hours are completed. In 3 weeks of rigorous practical demand, students will master first generation technological equipment and will intervene directly in the care of patients with different urinary complications. The most up-to-date surgical techniques to remove tumors or perform transplants will also be covered throughout this educational program.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare care in areas and conditions that require highly qualified professionals, and are oriented towards specific expertise for practicing the activity, in a safe environment for the patient and with highly professional performance.

Through this unique opportunity, students will have access to first class hospital institutions. They will rub shoulders with the best specialists in the industry, who will share their skills and know-how. In addition, with the help of an assistant tutor, students will expand their skills and participate in the analysis of cases with various pathologies.

The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of the professors and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for Urologic Surgery Department (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the training, and their completion is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:



Receive specialized education in an institution that can offer you all these possibilities, with an innovative academic program and a human team that will help you develop your full potential"



Module	Practical Activity
Diagnostic, therapeutic and surgical techniques in Urology	Carrying out urinary tract drainage
	Perform flexible cystoscopy
	To use renal testicular and penile ultrasound/Doppler in the detection and follow-up of urological conditions and pathologies
	Application of vesicoprostatic ultrasonography
	Perform urodynamic studies and prostate biopsies
	Indicate and interpret multiparametric magnetic resonance and bone scintigraphy, as well as isotopic renogram
	Perform pelvic prolapse surgery
	Surgical treatment of urinary incontinence in women and men
Advanced procedures in renal, adrenal and retroperitoneal surgical pathology	Perform right and left adrenalectomy
	Surgical intervention for adrenal carcinoma
	Perform radical and partial nephrectomy with vascular clamping, as well as Off Clamp Tumorectomy and with selective or supraseductive clamping
	Performing living donor nephrectomy
	Surgical intervention to perform renal extraction
	Perform renal transplantation and autotransplantation, as well as laparoscopic transplantation
	Surgical approach to renal artery stenosis and aneurysm, as well as renal artery aneurysm
Advanced techniques in the surgical approach to the upper urinary tract, bladder and prostate	Performing robotic nephrourectomy
	Intervene by performing lymphadenectomy in upper urinary tract cancer
	Treating renal and ureteral lithiasis
	Surgical treatment of non-tumorous and tumorous bladder pathology
	Apply the latest surgical techniques in tumor and non-tumor pathology of the prostate
Surgical procedures of the urethra, penis, scrotum and testicles	Apply the endoscopic treatment of Urethral Stricture
	Perform posterior and anterior urethral urethroplasty
	Approach gland decortication using the Bracca technique
	Perform partial or total penectomy
	Perform lymphadenectomy in penile and testicular cancer
	Performing vasectomy
	Apply the specific treatment of varicocele and hydrocele

05 Where Can I Do the Internship Program?

To ensure that the updating process is the best possible, TECH proposes the realization of this on-site stay in a prestigious center that can provide the doctor with the latest advances in the field of Urological Surgery. This is a very complex and broad field, so it requires updating by the specialist, and the role of the hospital institutions proposed here is vital in this process, since they will offer the most advanced knowledge in the specialty.



The most advanced knowledge in the field of Urological Surgery awaits you in this Internship Program”





The student will be able to do this program at the following centers:



Medicine

Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

Hospital Maternidad HM Belén

Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine

Hospital HM Rosaleda

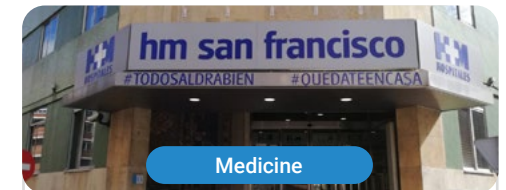
Country	City
Spain	La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

Hospital HM San Francisco

Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine

Hospital HM Regla

Country: Spain City: León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Update on Psychiatric Treatment in Minor Patients



Medicine

Hospital HM Nou Delfos

Country: Spain City: Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

Hospital HM Madrid

Country: Spain City: Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine

Hospital HM Montepíncipe

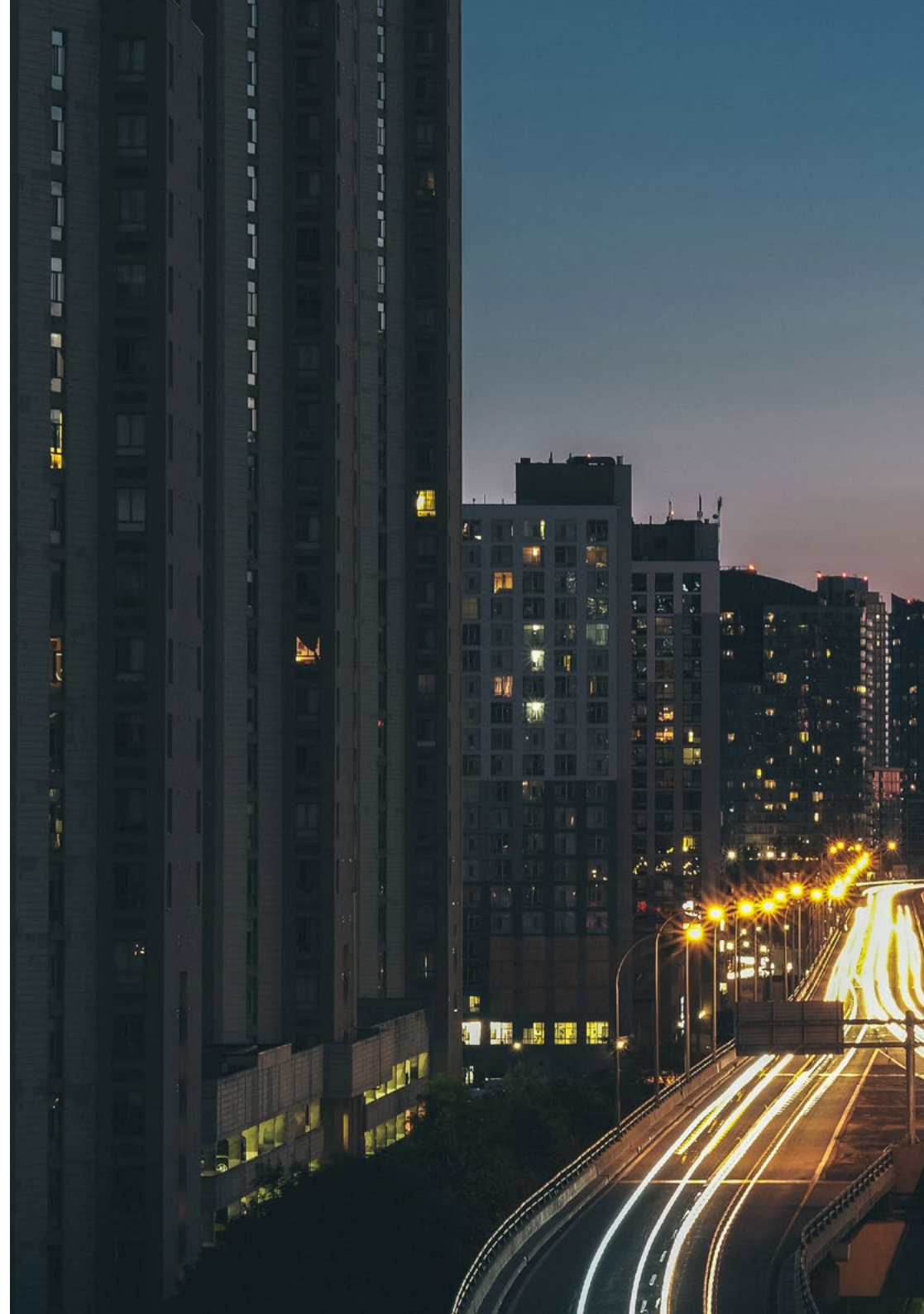
Country: Spain City: Madrid

Address: Av. de Montepíncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Palliative Care
- Aesthetic Medicine





Hospital HM Torrelodones

Country City
Spain Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Palliative Care



Hospital HM Sanchinarro

Country City
Spain Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Palliative Care



Hospital HM Nuevo Belén

Country City
Spain Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Hospital HM Puerta del Sur


Country City
Spain Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Palliative Care
- Clinical Ophthalmology

Medicine

Hospital HM Vallés


Country	City
Spain	Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Gynecologic Oncology
- Clinical Ophthalmology



Medicine

Policlínico HM Arapiles

Country	City
Spain	Madrid

Address: C. de Arapiles, 8, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Pediatric Dentistry



Medicine

Policlínico HM Distrito Telefónica


Country	City
Spain	Madrid

Address: Ronda de la Comunicación, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery



Medicine

Policlínico HM Gabinete Velázquez


Country	City
Spain	Madrid

Address: C. de Jorge Juan, 19, 1° 28001, 28001, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery



Medicine

Policlínico HM Imi Toledo

Country	City
Spain	Toledo

Address: Av. de Irlanda, 21, 45005, Toledo

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation



Grupo Gamma

Country	City
Argentina	Santa Fe

Address: Entre Ríos 330, Rosario, Santa Fe

Polyclinic specialized in various medical specialties

Related internship programs:

Update in Anesthesiology and Resuscitation
- Gynecologic Oncology

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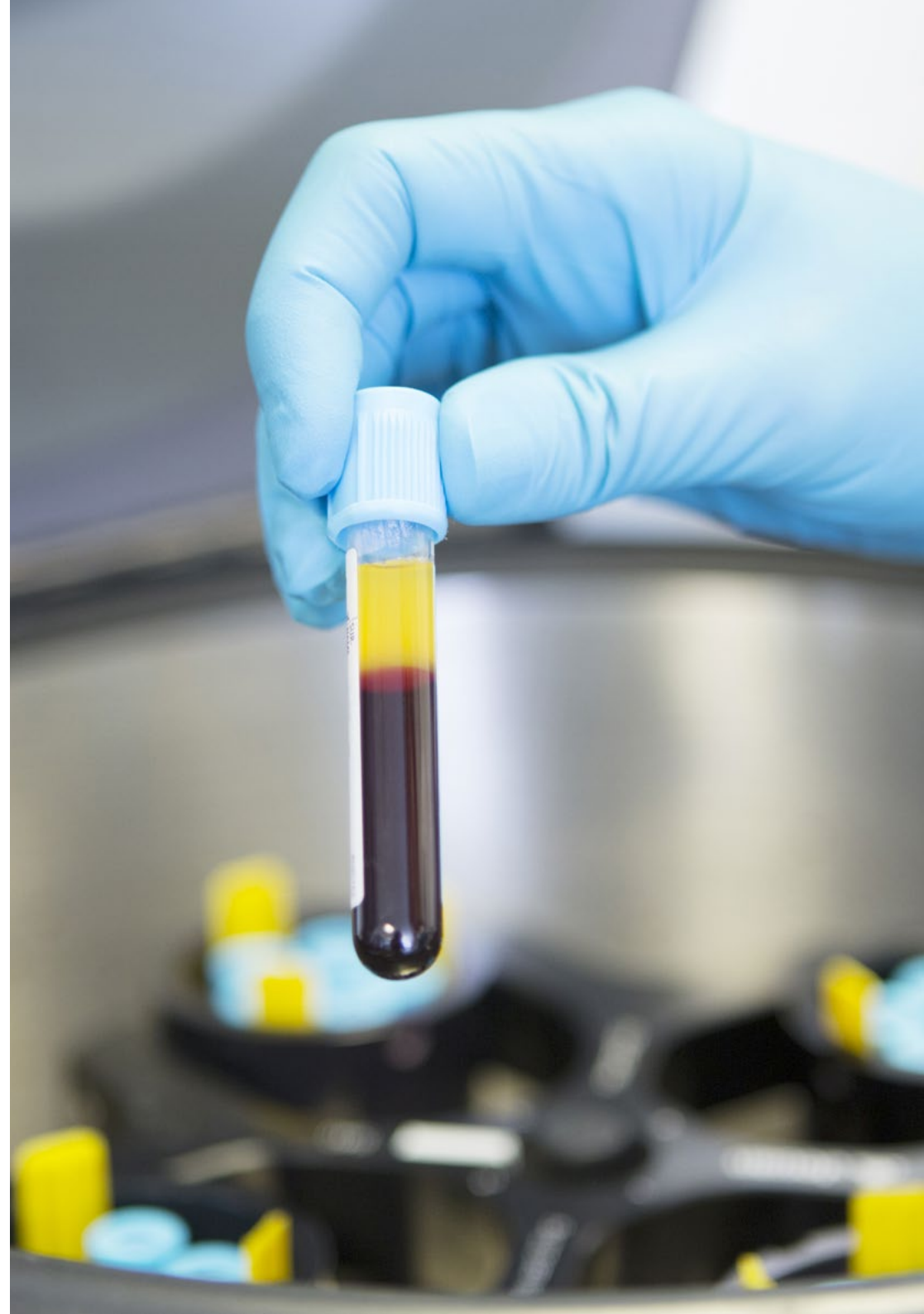
General Conditions

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this educational entity undertakes to take out civil liability insurance to cover any eventuality that may arise during the stay at the internship center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way, the professional will not have to worry in case they have to face an unexpected situation and will be covered until the end of the practical program at the center.



General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Internship Program, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor, whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students does not show up on the start date of the Internship Program, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Internship Program will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: The Internship Program shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Internship Program. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Internship Program will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

07 Certificate

This **Internship Program in Update in Urologic Surgery** contains the most complete and up-to-date program in the professional and academic landscape.

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

The diploma issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Update in Urologic Surgery**

Duration: **3 weeks**

Attendance: **Monday to Friday, shifts of 8 consecutive hours.**

Total Hours: **120 h. of professional practice**

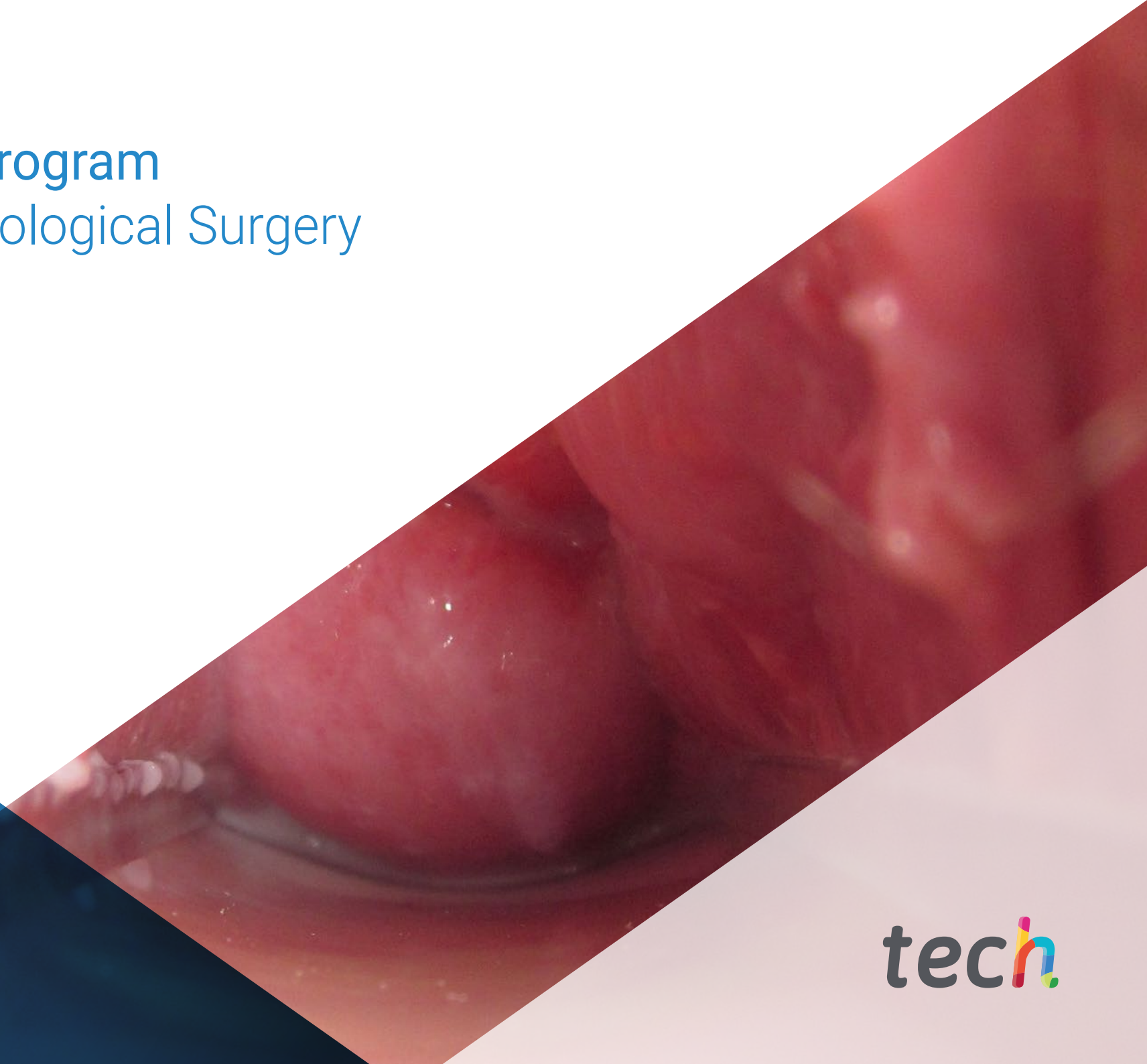


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