

# Internship Program Psychopharmacology



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Internship Program  
Psychopharmacology

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# 01 Introduction

Treatments for psychiatric or neurological conditions require high precision. For this reason, the discipline of Psychopharmacology is currently working on the discovery of neurotransmitters and other more precise therapeutic targets. Keeping up-to-date with these innovations is a challenge for specialists. For this reason, TECH has designed an academic modality, a pioneer of its kind, with a strong face-to-face, intensive and immersive character. In it, the physician will move to a rigorous health facility and, together with great professionals in the field, will apply the latest protocols to real patients with different pathologies, over 3 weeks of preparation.



*Update your knowledge and practical skills in Psychopharmacology with the most complete, intensive, on-site and practical program in the educational market”*







The discovery of neurotransmitters that facilitate the absorption of psychotropic drugs in response to psychiatric or neurological disorders is one of the main innovations in the field of Psychopharmacology. This healthcare field has also benefited from research on the combination of anticonvulsant and antidepressant drugs against conditions such as Bulimia and Anorexia. However, not all specialists are up-to-date on these new developments. This is because, among other problems, the programs that address this discipline do so from an eminently theoretical perspective. Therefore, the practical skills necessary to develop this professional field of medicine with excellence are neglected.

For this reason, TECH has burst onto the educational scene with a 100% practical and on-site qualification. From there, the physician will move to a first class hospital facility where they will verify, in a direct way, the impact of specific psychotropic drugs against pathologies such as Schizophrenia, Depression, some eating disorders, among other conditions. This intensive internship will last for 3 weeks, in 8-hour consecutive shifts, from Monday to Friday. During this period of time, they will also have the opportunity to analyze the latest trends in order to assess the psychopharmaceutical that best fits the patient's psychiatric diagnosis.

On the other hand, to support this exhaustive and direct learning process, the professional will be assisted by a designated tutor, who will check their progress and incorporate tasks to expand their daily practice. At the same time, they will have the opportunity to work with leading experts in the field and share their experiences with them with the utmost rigor.

# 02

## Why Study an Internship Program?

Currently, few programs delve into the field of Psychopharmacology. The few qualifications that deal with this subject are based on a high theoretical load. TECH, in response to this context, has developed this intensive on-site academic modality, where physicians have the opportunity to update their knowledge in situ, within a first-class hospital institution, and with real patients. Therefore, from this Internship Program, the specialist will be able to expand their professional practice by applying the most innovative methods against the most complex psychiatric or neurological pathologies.



*Thanks to TECH, you will delve into newly implemented pharmacological strategies for the care of patients with eating disorders such as Anorexia and Bulimia”*

### 1. Updating from the latest technology available

In the field of Psychopharmacology, many therapeutic advances have been made in recent years against different pathologies. With TECH, the specialist will achieve a complete mastery of these advances, handling them directly, in a 100% face-to-face, intensive and immersive learning environment.

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

During the course of this Internship Program, the physician will support their learning in the experiences and joint work with experts of wide prestige. Thanks to them, they will get an update on the main advances in Psychopharmacology. In addition, an attending tutor will be in charge of helping them to enhance the skills acquired in a direct way in this very complete program.

### 3. Entering First-Class Clinical Environments

The selection of the medical institutions that are part of this academic modality has demanded a great deal of meticulousness from TECH. Therefore, it has ensured that each of the selected institutions have the most modern technology and have, in their clinical teams, rigorous and renowned experts. Based on the quality of these learning scenarios, the physician will complete this program with the most demanded skills in their professional environment.



#### **4. Putting the acquired knowledge into daily practice from the very first moment**

The academic market is full of teaching programs poorly adapted to the daily work of the specialist and with a heavy theoretical load. However, TECH offers a new learning model, 100% practical, which allows the specialist to develop skills in a direct way, providing care to real patients and with a duration of 3 weeks.

#### **5. Expanding the Boundaries of Knowledge**

With TECH, physicians will not have to limit themselves to a single institution for their clinical practices. On the contrary, in this program, the specialist will be able to expand the frontiers of their knowledge, under international criteria, in entities located in different latitudes. This learning opportunity, unique in its kind, can only be materialized by the largest digital university in the world.



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



# 03 Objectives

This program offers comprehensive education in the latest trends in Psychopharmacology and its application in medical practice. With that objective, TECH provides an innovative academic modality, based on immersion and face-to-face, which will allow physicians to update their skills in an efficient manner.



## General Objectives

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- Manage the current knowledge of drugs used in psychiatry and neurology
- Identify the absorption properties of drugs and pharmacodynamics
- Describe in protocols the intervention programs, taking into account the characteristics and specific aspects of taking medication
- Master the fields of physician and psychologist interaction in family intervention
- Train the professional on all the updated references on the diagnosis, intervention and therapeutic process in order to interact with the medication







## Specific Objectives

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- Describe the patient's clinical history
- Discover and promote the family psychic fabric
- Differentiate the different etiologies of mental disorders
- Manage and master the role of sympathy and empathy in vicarious learning
- Manifest the importance of admiration in the overall balance of the family
- Develop effective analysis plans for differential diagnosis
- Identify psychopharmacological needs in mood disorders
- Manage the patient's medical history, as well as provide the necessary skills to work in a multidisciplinary manner
- Discover and find the emotional memories of the components of the disorder
- Dominate and manage the relationship until it becomes a referential person
- Identify the components of the patient's pathology to decide on intervention
- Point out the impact of diagnoses on patient decision making
- Design and implement chronic disease adjustment programs
- Develop protocols that do not allow for drug dependence
- Manage and stabilize the emotional and affective deficiencies of the patient within the intervention
- Use the intervention to determine when it is necessary for other professionals to join the analysis process
- Identify study methods to demonstrate that the drug has utility
- Discovering the legal procedures for the use of the drug

- Describe the harmful links between drugs
- Use knowledge about the side effects of drugs so that they do not hinder the intervention in psychotherapy
- Describe the beneficial effects of the drug
- Master the adverse effects and toxicity of the drug
- Differentiate the pharmacological casuistry for depression and anxiety disorders
- Identify and describe the possible management of anxiety disorders
- Assesses the impact of parental anxiety, depressive and psychotic disorders
- Express and identify the importance of stress
- Identify and differentiate anxiety disorders in their different categories
- Recognize and differentiate disorders secondary to stress
- Describe depressive axes
- Master the interaction between antidepressants and other drugs
- Evaluate and list components of eating disorders
- Control pharmacotherapy for anorexia nervosa and master the pharmacological treatment of bulimia
- Handle sleep management with pharmacotherapy
- Differentiating sleep and wakefulness disorders
- Understand the dynamics of sleepwalking
- Differentiate night terror from nightmares
- Learn the side effects of medication for Alzheimer's disease
- Differentiate and frame the disorders of a psychotic systemic disorder
- Describe and master the symptoms of schizophrenia according to the theory of communication and double bind





- ◆ Perform and adapt pharmacological intervention protocols within an interdisciplinary framework of psychosis
- ◆ Address the clinical use of medication in patients with dementia
- ◆ Develop the intervention with the drug according to the mental logic of the different age groups
- ◆ Master and manage the differential characteristics of psychological pathologies
- ◆ Design and conduct controlled clinical studies in pain
- ◆ Master pain within the framework of therapy
- ◆ Managing acute pain with psychopharmaceuticals
- ◆ Master the assessment and intervention tools using all the pain intervention indicators
- ◆ Develop follow-up models that express the changes of pathologies specific to mental states and pain
- ◆ Identify and master the clinical and prognostic features of the different disorders of childhood and adolescence with pharmacological intervention on pain

“

*Enroll in this program and update your knowledge on the most recently implemented drugs in pain and palliative care units”*

# 04

## Educational Plan

With this academic modality, pioneer in its type, TECH intends that the specialist is up-to-date on the latest considerations in Psychopharmacology. The educational process will be extended in consecutive 8-hour shifts, from Monday to Friday, until completing 3 weeks. Throughout this Internship Program, the professional will work with highly prestigious experts, learning from their praxis and experiences. At the same time, they will have the support and supervision of an assistant tutor, who will be able to incorporate tasks of varying complexity to the learning dynamics.

The intensive and immersive on-site internship in a hospital center equipped with the latest technologies in this medical discipline and ready to undertake highly complex clinical procedures. In these instances, they will provide direct care to real patients from day one.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide health 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.

The student will actively participate by performing activities and procedures related to each area of competence (learning to learn and learning to do), with the support and guidance of the teachers and other classmates to facilitate teamwork and multidisciplinary integration as transversal competencies for the practice of medicine (learning to be and learning to relate to others).

The procedures described below will form the basis of the practical part of the training, and their implementation 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
<b>Latest Trends to Assess the Psychotropic Drug that Best Fits the Patient's Psychiatric Diagnosis</b>	Develop an Active Interview with the patient, delimiting their symptoms, communicative and cognitive deficiencies, among other psychiatric features of the patient
	Verify, by means of clinical examinations, if the patient has excesses of Dopamine, or an elevated sensitivity to this neurotransmitter, as part of the assessment of the Dopaminergic Hypothesis in case of possible Schizophrenia
	Measure amyloid and tau protein levels to determine if the patient suffers from vascular dementias, Alzheimer's disease or other similar disorders
	Study specific neurotransmitters and their expression in the patient in order to choose specific treatments
<b>Psychopharmacology in Anxiety and Stress Disorders</b>	Assess in the patient with generalized Anxiety Disorder the relevance of drugs from the group of selective serotonin reuptake inhibitors or serotonin and norepinephrine reuptake inhibitors
	Indicate pharmacological therapies against Obsessive Compulsive Disorder for children, such as Clomipramin, taking into account the age recommendations for intake required by the manufacturer of the product  Monitor side effects that may appear in patients after discussing psychopharmacological treatment and prevent interactions with other substances such as other medications or herbal supplements
<b>Psychopharmacology in Depression, Eating and Sleep Disorders</b>	Prescribe selective serotonin reuptake inhibitors to patients with persistent depressive disorder
	Approach the patient with Major Depressive Disorder using tricyclic antidepressants
	Contraindicate the use of antidepressants in pregnant women and mothers during lactation, according to the risk conditions for the unborn or nursing child
	Start treatment with Mirtazapine for patients with Anorexia, since the latest scientific evidence shows improvements for the pathology through this psychotropic drug, both in weight and mood recovery
	Control of the seizures of unrestrained appetite by means of drugs such as Topiramate  Use treatments with nocturnal benzodiazepines, specifically Clonazepam, against non-REM sleep awakening disorders
<b>Psychopharmacology in Psychosis and Dementias</b>	Assess the use of some antiepileptic drugs in patients with schizophrenia and schizophreniform psychoses
	Apply combinations of psychotropic drugs such as mood stabilizers, anticonvulsants, atypical antipsychotics in patients with bipolar disorder
	Using Cholinesterase Inhibitors to increase and control the levels of a neurotransmitter involved in memory and sense of reality in patients diagnosed with Dementia
<b>Medication Used in the Pain Unit</b>	Indicate to patients in palliative care for cancer the use of Patient Controlled Analgesia pumps
	Treat patients with Neuralgias through pain medications in the form of patches or skin creams
	Combine the use of antidepressants and anticonvulsants in the Fibromyalgia patient
	Implement the use of opioids and adjuvant analgesics in Terminal Sedation strategies for patients facing imminent death



# 05 Where Can I Do the Internship Program?

This innovative modality of studies enables medical professionals to access health institutions specialized in Psychopharmacology. During 3 weeks of this Internship Program, the specialist will be able to apply new therapeutic procedures on real patients. In this way, they will update all their skills and will be able to stand out in the workplace due to their high level of competence.



*All the centers chosen by TECH for this intensive classroom learning program are at the forefront of Psychopharmacology”*







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



Medicine

### Hospital HM Modelo

Country: Spain City: 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 HM Rosaleda

Country: Spain City: 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 La Esperanza

Country: Spain City: La Coruña

Address: Av. das Burgas, 2, 15705, Santiago de Compostela, A Coruña

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

**Related internship programs:**

- Oncology Nursing
- Clinical Ophthalmology



Medicine

### Hospital HM San Francisco

Country: Spain City: 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





Medicine

### Hospital HM Torrelodones

Country: Spain  
City: 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



Medicine

### Hospital HM Sanchinarro

Country: Spain  
City: 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



Medicine

### Hospital HM Nuevo Belén

Country: Spain  
City: 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



Medicine

### Hospital HM Puerta del Sur

Country: Spain  
City: 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

### Policlínico HM La Paloma

Country	City
Spain	Madrid

Address: Calle Hilados, 9, 28850, Torrejón de Ardoz, Madrid

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

**Related internship programs:**

- Advanced Operating Room Nursing
- Orthodontics and Dentofacial Orthopedics



Medicine

### Policlínico HM Sanchinarro

Country	City
Spain	Madrid

Address: Av. de Manoteras, 10, 28050, Madrid

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

**Related internship programs:**

- Gynecological Care for Midwives
- Nursing in the Digestive Tract Department



Medicine

### Policlínico HM Virgen del Val

Country	City
Spain	Madrid

Address: Calle de Zaragoza, 6, 28804, Alcalá de Henares, Madrid

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

**Related internship programs:**

- Diagnosis in Physiotherapy
- Physiotherapy in Early Care



# 06

## 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 entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. This way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship 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 Psychopharmacology** contains the most complete and up-to-date program in the professional and academic landscape.

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

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

Title: **Internship Program in Psychopharmacology**

Duration: **3 weeks**

Attendance: **Monday to Friday, 8-hour consecutive shifts**

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





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