Hybrid Professional Master's Degree

Pediatric Emergencies

tech technological university

tech universidad tecnológica

Hybrid Professional Master's Degree

Pediatric Emergencies

Course Modality: **Hybrid (Online + Clinical Internship)**
Duration: **12 months**
Certificate: **TECH Technological University**
Teaching Hours: **1,620 h.**
Website: **www.techtitute.com/pk/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-pediatric-emergencies**

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01

Introduction

There are several cases in the area of pediatric emergencies that the physician can deal with on a daily basis in his office. From the most common emergencies due to the presence of viral or bacterial infections to neurological or cardiac complications that must be addressed with maximum efficiency and the latest scientific findings. For this reason, it is essential for healthcare personnel in this area to be up-to-date and TECH, at the forefront of education, has developed this program specialized in the most appropriate diagnostic and therapeutic methods in the care of pediatric patients requiring urgent care. Thus, over the course of 12 months, you will be able to advance in a theoretical study 100% online as well as in practice on site, in a reference health center.

This Hybrid Professional Master's Degree provides immersive learning programmed to train for real-life situations in Pediatric Emergency Medicine"

One of the areas with the highest patient care is the Pediatric Emergency, facing this scenario TECH has developed this Hybrid Professional Master's Degree in Pediatric Emergencies that will allow the doctor to update in an ideal scenario and attending real patients to apply all their knowledge with a cutting-edge medical team.

You will study in depth over 1500 hours of study in 16 modules of topics applied to the care of pediatric patients in medical emergencies. From intervening in the support of each of its existing medical specialties, to the health organization in the face of common pediatric emergencies. To do so, you will use the latest techniques based on scientific evidence, and achieve results that were previously difficult to estimate.

This program, which combines theory and practice in situ, offers the physician an update on the most important Pediatric Emergencies, establishing the keys for the care of the critically ill patient and the approach to the different diagnostic and treatment techniques used in this clinical area. In this way, you will be up to date with scientific and technological knowledge applied to your field of action.

Therefore, it will show a profile in line with the most competitive and specialized scenarios of the most advanced hospital centers, which also participate among the modern scenarios chosen by TECH for the 3-week Internship Program, which the medical professional will take once they complete the proposed academic itinerary.

This **Hybrid Professional Master's Degree in Pediatric Emergencies** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of more than 100 clinical cases presented by professionals in this area of work and university professors with extensive experience and experience
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Comprehensive systematized action plans for major pathologies
- Presentation of practical workshops on procedures diagnosis, and treatment techniques
- Algorithm-based interactive learning system for decision making on the clinical situations presented
- Practical clinical guides on approaching different pathologies
- With a special emphasis on evidence-based medicine and research methodologies
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Availability of content from any fixed or portable device with an Internet connection
- In addition, you will be able to carry out a clinical internship in one of the best hospitals in the world

Enjoy an intensive 3-week stay and acquire all the knowledge to grow personally and professionally"

In its theoretical part, this Hybrid Professional Master's Degree provides the specialist with the most complete curriculum developed by experienced teachers that will allow him to develop his career in a more efficient way"

Through this program you will be able to update your skills by doing your internship in a hospital equipped with the technological means and approaches of the future, with the best medical technology and alongside renowned specialists in this field.

In its practical part, you will learn from active participation in all clinical areas of interest to the professional, incorporating rapid and efficient response skills, essential for work in the hospital area.

This Professional Master's Degree, with a professionalizing character and blended learning modality, the program is aimed at updating medical professionals who require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge into practice, and the theoretical-practical elements will facilitate the updating of knowledge and will allow decision making in patient management.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations. This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. This will be done with the help of an innovative interactive video system developed by renowned experts with extensive teaching experience.

02

Why Study this Hybrid Professional Master's Degree?

The skills put into practice allow the specialist to refine the techniques and methods applied to each particular case presented in the area of Pediatric Emergencies, and thus verify the knowledge from a professional, modern and updated space according to the latest technological and scientific resources. For this reason, taking this program, which combines theory and practice, is a unique opportunity for expansion to develop all the security and greater potential of your skills as a specialist in the area of Pediatric Emergency Medicine Because they will be able to participate in each of the approaches related to the subject of study and perform their own activities in terms of approaching special and common situations in patients in the infant stage.

TECH offers you the opportunity to enter prestigious clinical environments of the highest quality to deepen, with the help of the best specialists, in the latest advances in Pediatric Emergencies"

1. Updating from the latest technology available

Thanks to new scientific and technological advances in pediatric emergency medical care, it is possible to establish a much more specific approach in each of the specialties and the different cases presented. For this reason, the specialist must be up to date in terms of the resources and equipment currently available in hospital centers and thus demonstrate the most up-to-date human and professional capabilities.

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

This Hybrid Professional Master's Degree allows the professional to be in contact with the most specialized team in the area of pediatric emergencies. In addition, you will have the guidance of an assigned tutor throughout the process. In this way, from an avant-garde clinical scenario, you will integrate a multidisciplinary and modern team that will allow you to be updated in the approach to Pediatric Emergencies in a specialized way.

3. Entering First-Class Clinical Environments

TECH has chosen the best hospitals to carry out the practical part of this program. In this way, the specialist will value the knowledge regarding Pediatric Emergencies in a specific and updated way.

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

By taking this Hybrid Professional Master's Degree, the specialist will be at the forefront of a unique and differentiating study opportunity, where they will be updated on the latest scientific evidence in Pediatric Emergency Medicine, both from the point of view of the theoretical study 100% online, as well as the practical on-site, in a state-of-the-art clinical center.

5. Expanding the Boundaries of Knowledge

TECH continues to innovate with this Hybrid Professional Master's Degree with a 100% online and a 100% practical stage, where it breaks down geographical barriers and opens new spaces to verify the latest scientific findings and methods of approaching pediatric patients in urgent cases in their different specialties.

You will have full hands-on immersion at the center of your choice"

03

Objectives

TECH invests thousands of hours every year in the development of up-to-date, cutting-edge and intensive healthcare programs, perfect for all those specialists who are always looking for the latest news in their field. A very successful example of this is this Hybrid Professional Master's Degree, thanks to which you can not only get up to date, but you can improve your professional skills in a guaranteed way and in just 12 months of the best theoretical and practical academic experience.

You will work in the clinic of the future alongside a cutting-edge medical team. All of this will allow you to implement the most innovative medical strategies in the pediatric sector in your practice"

General Objective

- The launching of this complete and multidisciplinary Hybrid Professional Master's Degree in Pediatric Emergencies has been carried out with the aim of providing the medical professional with an update in relation to advanced life support and diagnostic and therapeutic techniques for pediatric patients with urgent pathology. In addition, it will help you to improve your health care, enabling you to improve the child's prognosis and care for the family

It delves into the most relevant theory in this field, subsequently applying it in a real work environment"

Specific Objectives

Module 1. Health Care Organization for Common Pediatric Emergencies

- Identify the different elements of the equipment in the Pediatric Emergency Department
- Practice patient selection according to the different triage systems
- Describe pediatric critical patient transport systems
- To know the differential organizational and management characteristics of Pediatric Emergency Departments

Module 2. Common Advanced Pediatric and Neonatal Cardiovascular Support

- Identify the signs and symptoms of the main apparently lethal syndromes, as well as perform the recognition of the critically ill child
- Update the latest recommendations for the performance of basic and advanced cardiopulmonary resuscitation maneuvers and complete upper airway clearance for a foreign body
- Review the different routes of drug administration and their indication in each case
- Determine the main aspects of pediatric airway establishment, rapid intubation sequence, difficult airway and new facilitator devices

Module 3. Invasive Techniques in Common Critically Ill Pediatric Patients

- Establish Capnography and Pulse Oximetry procedures, and review indications for oxygen therapy in pediatric patients according to the latest scientific evidence
- Establish the phases, characteristics and development of the sedoanalgesia procedure
- Incorporate intraosseous puncture as a frequently used technique in pediatric emergency departments
- Review the protocols for dealing with infant deaths

Module 4. Cardiologic Emergencies

- Describe the main signs and symptoms of cardiac pathologies, arrhythmias, syncope, heart failure and congenital heart disease
- Incorporate frequently used techniques in the diagnosis and treatment of cardiac pathologies, such as rapid ECG reading, electrical cardioversion for the management of tachyarrhythmias and cardiac defibrillation

Module 5. Respiratory Emergencies

- Addressing respiratory pathology in the newborn in the light of the latest scientific evidence
- Describe the main signs and symptoms of respiratory tract pathologies in children, and the approach to acute pharyngotonsillitis, laryngitis or croup, spasmodic croup, otitis and sinusitis
- Determine the procedures for the management of the child with ASTHMA and chronic cough, and the different diagnostic and therapeutic techniques such as airway aspiration, thoracentesis and chest tube placement, forced spirometry and bronchodynamic test

Module 6. Pediatric Trauma and Osteoarticular Injuries

- Review the diagnostic process, assessment and care of the pediatric patient with traumatic brain injury
- Incorporate into medical practice the priorities of evaluation and treatment in the traumatized child and the characteristics of pediatric patients
- Develop and practice the sequences in the different workshops on mobilization and immobilization of the trauma patient, functional bandaging, casting and reduction of painful pronation

Module 7. Unintentional Injuries Child Accidents

- Learn medical procedures to safely resolve potentially dangerous situations
- Analyze age-specific protocols for pediatric patients with fever
- Increase the ability to manage the acutely intoxicated child or adolescent
- Determine the management procedures for children with anaphylactic reactions and their severity, clinical manifestations and diagnostic procedures

Module 8. Neurological Emergencies

- Establish the correlation between the different types of brain damage and their clinical manifestations
- Describe the main signs and symptoms of pathologies of neurological etiology in children
- Review procedures for lumbar puncture and ventriculoperitoneal shunt puncture techniques

Module 9. Digestive Emergencies

- To determine the novelties in the management of celiac disease in children
- Address the management procedures of the child with food refusal and relate it to the different digestive pathologies
- Review the latest advances in diagnostic and therapeutic procedures for the different hepatitis virus infections: HAV, HBV, HCV, HDV, HEV
- Incorporate the techniques of incarcerated hernia reduction, gastric catheterization and management of the child with ostomy

Module 10. Endocrinometabolic Emergencies

- Describe the main aspects of endocrinometabolic pathologies in children

Module 11. Infectious Emergencies

- Review advances in the management of HPV, herpes simplex and shingles viral infections in children

- Review advances in the management of fungal infections, tinea, candidiasis and pityriasis versicolor
- Update knowledge in infectious diseases in the child and the management of the immunocompromised child

Module 12. Ophthalmologic and Otorhinolaryngologic Emergencies

- Analyze new developments in the management of children with ophthalmologic and otorhinolaryngologic problems

Module 13. Pediatric Skin Emergencies

- Learn the methods for the management and treatment of wounds and burns
- Learn methods for the management and treatment of dermatological diseases

Module 14. Nephrourological emergencies

- Describe the main advances in the management of children with nephrourological problems, incorporating the techniques of urine collection, suprapubic puncture and bladder catheterization according to updated clinical guidelines

Module 15. Special Situations in Pediatric Emergencies

- Learn about the protocol for the care of abused children

Module 16. Update on Coronavirus Infections

- Identifying coronavirus infections
- Delve into in the characteristics of the coronavirus
- Identify fast-acting processes against coronavirus

04

Skills

Thanks to the complete curriculum presented in this program, the health professional will be able to demonstrate an updated medical praxis in urgent cases of pediatric patients. Once the evaluation process and practical training estimated within the Hybrid Professional Master's Degree has been completed, the professional will be up to date with the latest advances in the field.

At the end of your theoretical course you will have learned the new forms of intervention in the Pediatric Emergency Department; at the end of your internship you will have incorporated the real way of putting them into practice in a highly efficient medical environment"

General Skills

- Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study
- Integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities related to the application of their knowledge and judgments
- Know how to communicate their conclusions and the ultimate knowledge and rationale behind them to specialized and non-specialized audiences in a clear and unambiguous manner
- Acquire the learning skills that will enable them to continue studying in a way that will be largely self-directed or in a way that will be largely self-directed or autonomous

Specific Skills

- Explain the different procedures that the pediatrician can carry out to resolve potentially dangerous situations safely in the emergency department
- Develop basic and advanced cardiopulmonary resuscitation procedures
- Describe actions for complete upper airway clearance
- Define the criteria for the correct detection of child abuse
- Assess the degree of pain in the pediatric patient
- Explain the sedoanalgesia procedure and indicate the necessary pharmacology
- Apply the specific protocols of action for pediatric patients with fever
- Connect the different types of brain damage and their clinical manifestations
- Perform initial assessment of traumatic brain injury
- Identify characteristics of the traumatized child and priorities for assessment and treatment
- State and describe the differences between viral and bacterial meningitis
- Describe the management procedure of the pediatric patient with acute intoxication
- Determine the specific actions of the physician in emergencies of the pediatric patient with special needs
- Explain and identify the most frequent causes of an apparently lethal episode
- Define anaphylaxis and its clinical manifestations to guide the diagnosis
- Classify the situations in which we suspect abuse
- Describe burn care, including cleanup, management of phlyctenas, draping, analgesia and prophylaxis
- Signal the differential organizational and management characteristics of pediatric emergency departments

Take the opportunity to learn about the latest advances in this field to apply it to your daily practice"

05

Course Management

For the design of this Hybrid Professional Master's Degree TECH has joined a team of reference professionals in Pediatric Emergency Medicine who perform their professional activity in the most renowned hospitals, transferring to the program the experience gained in their jobs throughout their careers and their most updated vision in each of the topics of study. This will provide up-to-date content on the latest scientific findings.

This teaching panel will show you the advances in the most effective methods to attend the different Pediatric Emergencies"

Guest Director

Dr. Juan Ignacio Sánchez Díaz

- Head of PICU and Pediatric Emergency Department at the 12 de Octubre University Hospital
- Specialist in General Pediatrics at the SENDA Maternal and Child Medical Center
- Specialist in the Treatment of the Critically Ill Child
- Accreditation in Pediatric Intensive Care, Spanish Association of Pediatrics
- 80 publications in international scientific journals
- Speaker at congresses and meetings such as the XXVII SOMIAMA Meeting
- Member of the Medical Scientific Committee of the XXXV and XXXII Congress of the Spanish Society of Pediatric Intensive Care (SECIP)
- Member of: Spanish Society of Pediatric Intensive Care (SECIP), Technical Assistance Board, 12 de Octubre University Hospital

Management

Dr. Antón Castaño Rivero

- Pediatrician
- Assistant Physician of the Pediatric Emergency Department of the University Hospital of Cabueñes
- CPR Instructor and Course Director, accredited by the Spanish Group of Pediatric and Neonatal CPR
- Accredited in the Subspecialty of Pediatric Emergency Medicine by the Spanish Association of Pediatrics (AEP)
- Former President of the Spanish Society of Pediatric Emergency Medicine
- Master's Degree in Emergency and Acute Pathology in Pediatrics, Universidad Autónoma de Madrid

Professors

Dr. Diana Álvarez González

- Pediatrician, private medical practice
- Assistant Physician, Pediatric Emergency Department, Hospital de Cabueñes, Gijón
- Author of her own brand on health communication: Dr. Di pediatrician
- Academic experience at the Children's Hospital in Copenhagen
- Degree in Medicine University of Barcelona
- Master's Degree in Pediatric Emergencies and Emergencies by the International University of Andalusia

Dr. Helvia Benito Pastor

- Attending Physician, Pediatric Emergency Department, Cabueñes University Hospital
- American Academy of Pediatrics APLS Course Instructor
- Pediatric Assistant Physician at Nuestra Señora de Sonsoles Hospital
- Master's Degree in Research Methodology: Design and Statistics in Health Sciences and Research Methodology in Health Sciences. Autonomous University of Barcelona

Dr. Nathalie Campo Fernández

- Specialist in Pediatrics and its specific areas
- Attending Physician, Pediatric Emergency Department, Cabueñes University Hospital
- American Academy of Pediatrics APLS Course Instructor
- Pediatric Emergency Safety Trainer

Dr. Nuria Díez Monge

- Assistant Physician, Pediatrics Service, Rio Hortega Hospital, Valladolid, Castilla y León
- Author of the book 'Incidence, prevalence and annual risk of tuberculosis infection in children aged 6-7 years in the city of Valencia'
- He was part of the local committee and the organizing committee of the XXIV Annual Meeting of the Spanish Sleep Society
- XXXVII Meeting of the Spanish Society of Pediatric Pneumology

Dr. Ramón Fernández Álvarez

- Assistant Physician of the Pediatric Emergency Department of the University Hospital of Cabueñes. Gijón
- American Academy of Pediatrics APLS (Advanced Pediatric Life Support) Emergency Course Director

Dr. José Luis Fernández Arribas

- Assistant Physician, Pediatric Emergency Department, Río Hortega University Hospital (Valladolid, Castilla y León)
- Resident physician in SACYL
- Pediatric and Neonatal CPR Instructor. APLS instructor. Pediatric simulation instructor
- Instructor of the American Academy of Pediatrics Pediatric Emergency Course and the SEUP program Analgesia and Sedation in the Pediatric Emergency Patient for Non-Anesthesiologists
- He has been a member of the SEUP Board of Directors at the XXIV Meeting of the Spanish Society of Pediatric Emergency Medicine
- Co-author of the book Basic Pediatrics for Parents and several other publications
- Speaker at several pediatric congresses

Dr. Laura González Calvete

- Pediatrician
- Assistant Physician of the Pediatric Emergency Department of the University Hospital of Cabueñes
- Pediatric Basic and Advanced CPR Instructor
- FEA Pediatrician at San Rafael Hospital
- Primary Care Pediatrician V
- Pediatrician at San Rafael Hospital
- MIR in this complex Santiago de Compostela University Hospital Complex
- Co-author of several publications on Pediatric Emergencies

Dr. Leticia González Martín

- Assistant Physician, Pediatric Emergency Department, Río Hortega University Hospital, Valladolid, Castilla y León
- Pediatrics Resident Medical Intern Tutor. Río Hortega University Hospital, Valladolid, Castilla y León
- Instructor in pediatric and neonatal CPR
- Pediatric in a Neonatal Intensive Care Unit
- Lecturer in several courses and conferences on cardiopulmonary resuscitation, emergencies and simulation
- Member of the Spanish Association of Pediatrics in Primary Care
- Neonatology Unit 12 de Octubre Hospital
- Paediatric Intensive Care Unit. Vall d'Hebron University Hospital
- Diploma in Research Methodology, Statistics Autonomous University Barcelona(UAB)
- Bachelor's Degree, Medicine and Surgery. Valladolid

Dr. Emma Lombraña Álvarez

- Pediatrician
- Attending Physician, Pediatric Emergency Department, Cabueñes University Hospital
- Member of the Spanish Society of Pediatric Emergencies and the Spanish Association of Pediatrics
- Speaker and author of several lines of research focused on neurological pathologies

Dr. Beatriz Salamanca Zarzuela

- Pediatric and Congenital Heart Disease Cardiology Specialist
- Attending Physician, Pediatric Emergency Department, Cabueñes University Hospital
- Pediatrician at the Hospital Comarcal Medina del Campo
- Specialist in Pediatric Cardiology at the Rio Carrión Hospital in Palencia
- PhD in Medicine from the Grapes
- Graduate in Medicine from the Grapes
- Master's Degree in Pediatric Cardiology and Congenital Heart Disease by the UAM

Dr. Cristina Suárez Castañón

- Specialist in Pediatrics of the Health Service of the Principality of Asturias (SESPA)
- Attending Physician, Pediatric Emergency Department, Cabueñes University Hospital
- Pediatric Doctor
- Degree in Medicine
- Member of: Spanish Society of Pediatric Emergency Medicine, Asturian Association of Primary Care Pediatrics

Dr. Roberto Velasco Zúñiga

- Assistant Physician of the Pediatric Emergency Department of the University Hospital Río Hortega
- Pediatric Emergency Physician at Cruces Hospital
- Author of several medical books and publications
- Speaker at congresses and scientific events such as the I Digital Congress of the Spanish Association of Pediatrics
- Doctor of Medicine
- Specialist Pediatrician
- Degree in Medicine from the University of Valladolid
- Master's Degree in Health Care Quality and Safety Management and Methodology
- Master's Degree in Research Methodology
- Member of: Spanish Society of Pediatric Emergencies, Spanish Association of Pediatrics, Regional Health Management of Castilla y León

06

Educational Plan

This Hybrid Professional Master's Degree consists of 16 specific modules that delve into the organization of health care for common pediatric emergencies and special cases, as well as cardiovascular or respiratory support in neonatal or pediatric patients. These and other topics will be addressed in an expanded manner, thanks to the intervention of the best specialists that make up the teaching staff of this program. In addition, it provides ease and comfort to the professional because they can access the study material from any device since it is taught 100% online.

A complete academic itinerary that demonstrates the best update proposal for today's physician"

Module 1. Health Care Organization for Common Pediatric Emergencies

1.1. Equipment in the Pediatric Emergency Department (PED)
  1.1.1. Differential Characteristics of PEDs
  1.1.2. Infrastructure, Staffing
  1.1.3. Material
1.2. Triage in Pediatrics
  1.2.1. Definition
  1.2.2. Classification Systems
1.3. Transport of Critical Pediatric Patient. In-hospital Transfer, Out-of-Hospital Transfer and ISOBAR
1.4. Neonatal and Pediatric Transportation

Module 2. Common Advanced Pediatric and Neonatal Cardiovascular Support

2.1. Apparently Lethal Syndromes
  2.1.1. Sudden Infant Death
  2.1.2. Treatment
  2.1.3. Home Monitoring
2.2. Recognizing and Responding to Critically Ill Children
  2.2.1. Epidemiology, Etiology and Prevention of CRP in Childhood
  2.2.2. Pediatric Assessment Triangle (PAT) and its Utility
  2.2.3. Pediatric ABCDE Evaluation
2.3. Basic Pediatric Cardiopulmonary Resuscitation
2.4. Advanced Pediatric Cardiopulmonary Resuscitation Advanced Airway Management
2.5. Basic Concepts of Mechanical Ventilation
2.6. Infusion Routes and Drugs
2.7. Pediatric AVS Algorithms and Treatment of Arrhythmias
2.8. Neonatal Resuscitation
2.9. Stabilization, Post-Resuscitation and Neonatal Transportation

Module 3. Invasive Techniques in Common Critically Ill Pediatric Patients

3.1. Peripheral and Central Vein Access
  3.1.1. Peripheral Route
  3.1.2. Central Route
3.2. Intraosseous Puncture
3.3. Capnography. Pulse Oximetry
3.4. Oxygen Therapy
3.5. Analgesia and Sedation
  3.5.1. Approaching Pain
  3.5.2. Procedure
  3.5.3. Reference Drugs in Analgesia and Sedation
3.6. Protocol for Child Death
3.7. Rapid Intubation Sequence

Module 4. Cardiologic Emergencies

4.1. Arrhythmias and Syncope
  4.1.1. Bradyarrhythmias Diagnosis and Treatment
  4.1.2. Tachyarrhythmias Diagnosis and Treatment
4.2. Congenital Heart Disease
  4.2.1. Cyanotic Congenital Heart Disease
  4.2.2. Non-Cyanotic Congenital Heart Disease
  4.2.3. Diagnostic Approach
  4.2.4. Treatment
4.3. Hypertensive Crisis
  4.3.1. Diagnostic Guidance for Hypertension in Children and Adolescents
  4.3.2. Therapeutic Guidance for Hypertension in Children and Adolescents

4.4. Heart Failure
- 4.4.1. Etiology
- 4.4.2. Diagnosis
- 4.4.3. Treatment. Mechanical Ventricular Assistance Techniques Extracorporeal Membrane Oxygenation (ECMO)

4.5. Quick Reading of an ECG

4.6. Management of Tachyarrhythmias and Bradyarrhythmias: Electrical Cardioversion and Transcutaneous Pacing

4.7. Management of Defibrillable Arrhythmias: Defibrillation

Module 5. Respiratory Emergencies

5.1. Respiratory Pathology in Recent Newborns
- 5.1.1. Incomplete Pulmonary Fluid Reabsorption Syndrome
- 5.1.2. Meconium Aspiration Syndrome
- 5.1.3. Hyaline Membrane Disease
- 5.1.4. Pneumothorax
- 5.1.5. Pneumonia
- 5.1.6. Apnea in Newborns

5.2. Airway Diseases
- 5.2.1. Acute Pharyngotonsillitis
- 5.2.2. Laryngitis or Croup
- 5.2.3. Spasmodic Croup
- 5.2.4. Otitis
- 5.2.5. Sinusitis

5.3. Community-Acquired Pneumonia (CAP)
- 5.3.1. Diagnosis
- 5.3.2. Hospital Admission Criteria
- 5.3.3. Latest Advances in Treatment

5.4. Managing a Child with a Persistent Cough Chronic cough
- 5.4.1. Etiology
  - 5.4.1.1. Persistent Bacterial Bronchitis
  - 5.4.1.2. Asthma
  - 5.4.1.3. Gastroesophageal Reflux, etc
- 5.4.2. Treatment

5.5. Caring for Asthmatic Children
- 5.5.1. Clinical Diagnosis. Functional Diagnosis
- 5.5.2. Pharmacological Treatment. Non-Pharmacological Treatment
- 5.5.3. Health Education

5.6. Inhalation Techniques Oxygen Therapy

5.7. Thoracentesis and Chest Tube Placement

5.8. Forced Spirometry Bronchodynamic Tests FEM

Module 6. Pediatric Trauma and Osteoarticular Injuries

6.1. Initial Pediatric Trauma Care
- 6.1.1. Types and Patterns of Injury in Pediatrics
- 6.1.2. Primary and Secondary Assessment
- 6.1.3. Spinal Cord Injuries

6.2. Head Trauma in Children

6.3. Lower Extremity Trauma

6.4. Upper Extremity Trauma

6.5. Thoracic Trauma. Rib Fractures and Contusions

6.6. Limping
- 6.6.1. Types of Lameness
- 6.6.2. Treatment
- 6.6.3. Referral Criteria

6.7. Classification of Pediatric Fractures

6.8. Mobilization and Immobilization Workshop

6.9. Active Mobilization Stimulation

6.10. Hyperpronation

6.11. Supination-Flexion

6.12. Radial Head Subluxation

Module 7. Unintentional Injuries Child Accidents

7.1. Injuries
7.2. Burns
7.3. Drowning
7.4. Stings and Bites
7.5. Drug and Non-drug Intoxications
7.6. Anaphylaxis
  7.6.1. Classification of Severity
  7.6.2. Diagnostic Procedures
  7.6.3. Treatment and Discharge Recommendations
7.7. Extraction of Foreign Body from the Ear
7.8. Extraction of Foreign Bodies from the Nose
7.9. Freeing of Trapped Penis or Scrotum
7.10. Incarcerated Inguinal Hernia Reduction
7.11. Reduction of Paraphimosis

Module 8. Neurological Emergencies

8.1. Acute Ataxia
8.2. Alterations of Consciousness
8.3. Acute Headache
  8.3.1. Migraine
  8.3.2. Tension Headache
  8.3.3. Periodic Syndromes of Childhood
8.4. Epilepsies and Non-Epileptic Seizure Disorders in Childhood
  8.4.1. Epileptic Syndromes in Childhood and Adolescence
  8.4.2. General Treatment of Epilepsies
8.5. Bacterial and Viral Meningitis
8.6. Febrile Seizures
8.7. Puncture of the Ventriculoperitoneal Shunt Reservoir
8.8. Lumbar Puncture

Module 9. Digestive Emergencies

9.1. The Infant with Food Refusal
9.2. Acute Abdominal Pain
9.3. Gastrointestinal Disorders
9.4. Acute Dehydration
  9.4.1. Isonatremic Dehydration
  9.4.2. Hyponatremic Dehydration
  9.4.3. Hypernatremic Dehydration
9.5. Acid-base Balance Disorders
  9.5.1. Metabolic Acidosis Respiratory Acidosis
  9.5.2. Metabolic Alkalosis Respiratory Alkalosis
9.6. Coeliac Disease
  9.6.1. Diagnostic Algorithm
  9.6.2. Treatment
9.7. Gastroesophageal Reflux (GER)
9.8. Constipation
9.9. Hepatitis
  9.9.1. HAV, HBV, HCV, HDV, HEV
  9.9.2. Autoimmune hepatitis
9.10. Gastrointestinal Bleeding
9.11. Jaundice
9.12. Techniques and Procedures Inguinal Hernia Reduction

Module 10. Endocrinometabolic Emergencies

10.1. Emergencies in the Diabetic Patient
10.2. Hydroelectrolytic Alterations
10.3. Adrenal Insufficiency

Module 11. Infectious Emergencies

11.1. Exanthematous Diseases
11.2. Whooping Cough and Pertussis Syndrome
  11.2.1. Medical treatment
  11.2.2. Control Measures
11.3. Febrile Syndrome without Focus
11.4. Sepsis. Septic Shock
11.5. Osteoarticular Infections
11.6. Fever and Neutropenia

Module 12. Ophthalmologic and Otorhinolaryngologic Emergencies

12.1. Conjunctivitis and Blepharitis Pink Eye
  12.1.1. Most Frequent Infectious Pathology
  12.1.2. Non-Infectious Pathology
  12.1.3. Protocol for Pediatric Ophthalmologic Emergencies
12.2. Eyelids and Lacrimal System
  12.2.1. Palpebral Alterations and Malformations
  12.2.2. Inflammatory Pathology
  12.2.3. Cysts and Tumors
  12.2.4. Lacrimal Pathology in Children
  12.2.5. Palpebral Traumatology in Infancy
12.3. Acute Pharyngotonsillitis Acute Otitis Media Sinusitis
12.4. Extraction of Foreign Bodies from the Eye
12.5. Ophthalmologic Examination with Fluorescein
12.6. Eversion of the Upper Eyelid

Module 13. Pediatric Skin Emergencies

13.1. Bacterial Infections in Pediatrics
  13.1.1. Impetigo Contagiosa
  13.1.2. Folliculitis, Furunculosis and Carbuncles
  13.1.3. Perianal Streptococcal Dermatitis
13.2. Viral Infections in Pediatrics
  13.2.1. Human Papiloma Virus
  13.2.2. Contagious Molusco
  13.2.3. Simple Herpes
  13.2.4. Shingles
13.3. Mycotic Infections in Pediatric Dermatology
  13.3.1. Tinea
  13.3.2. Candidiasis
  13.3.3. Pityriasis Versicolor
13.4. Infestations in Pediatric Dermatology
  13.4.1. Pediculosis
  13.4.2. Scabies
13.5. Eczema Atopic Dermatitis

Module 14. Nephrourological Emergencies

14.1. Urinary Infections
  14.1.1. Diagnostic Criteria
  14.1.2. Referral Indications
14.2. Hematuria
14.3. Renal Lithiasis and Renal Colic
14.4. Acute Scrotum
  14.4.1. Frequency in the Pediatric Age Group
14.5. Suprapubic Puncture
14.6. Bladder Catheterisation
14.7. Reduction of Paraphimosis

Module 15. Special Situations in Pediatric Emergencies

15.1. Children with Special Needs
- 15.1.1. Tracheostomy and Home Mechanical Ventilation
- 15.1.2. Gastrostomies and Feeding Tubes
- 15.1.3. Peritoneal Ventriculo-Peritoneal Shunt Valves
- 15.1.4. Central Catheters and Prosthetic Vascular Accesses

15.2. Medication in Pediatrics

15.3. Psychiatry in the Emergency Department
- 15.3.1. Assessment and Initial Treatment
- 15.3.2. Psychomotor Agitation and Violence
- 15.3.3. Suicidal Behavior
- 15.3.4. Psychotic Disorders

15.4. Child Abuse
- 15.4.1. Attitude in the Emergency Room
- 15.4.2. Assistance in the Case of Abuse

15.5. Techniques and Procedures Mechanical Restraint of the Agitated or Aggressive Child

Module 16. Update on Coronavirus Infections

16.1. Discovery and Evolution of Coronaviruses
- 16.1.1. Discovery of Coronaviruses
- 16.1.2. Global Trends in Coronavirus Infections

16.2. Main Microbiological Characteristics and Members of the Coronavirus Family
- 16.2.1. General Microbiological Characteristics of Coronaviruses
- 16.2.2. Viral Genome
- 16.2.3. Principal Virulence Factors

16.3. Epidemiological Changes in Coronavirus Infections since its Discovery to Present Day
- 16.3.1. Morbidity and Mortality of Coronavirus Infections from their Emergence to the Present

16.4. The Immune System and Coronavirus Infections
- 16.4.1. Immunological Mechanisms Involved in the Immune Response to Coronaviruses
- 16.4.2. Cytokine Storm in Coronavirus Infections and Immunopathology
- 16.4.3. Modulation of the Immune System in Coronavirus Infections

16.5. Pathogenesis and Pathophysiology of Coronavirus Infections
- 16.5.1. Pathophysiological and Pathogenic Alterations in Coronavirus Infections
- 16.5.2. Clinical Implications of the Main Pathophysiological Alterations

16.6. Risk Groups and Transmission Mechanisms of Coronaviruses
- 16.6.1. Main Sociodemographic and Epidemiological Characteristics of Risk Groups Affected by Coronavirus
- 16.6.2. Coronavirus Mechanisms of Transmission

16.7. Natural History of Coronavirus Infections
- 16.7.1. Stages of Coronavirus Infection

16.8. Latest Information on Microbiological Diagnosis of Coronavirus Infections
- 16.8.1. Sample Collection and Shipment
- 16.8.2. PCR and Sequencing
- 16.8.3. Serology Testing
- 16.8.4. Virus Isolation

16.9. Current Biosafety Measures in Microbiology Laboratories for Coronavirus Sample Handling
- 16.9.1. Biosafety Measures for Coronavirus Sample Handling

16.10. Up-to-Date Management of Coronavirus Infections
- 16.10.1. Prevention Measures
- 16.10.2. Symptomatic Treatment
- 16.10.3. Antiviral and Antimicrobial Treatment in Coronavirus Infections
- 16.10.4. Treatment of Severe Clinical Forms

16.11. Future Challenges in the Prevention, Diagnosis and Treatment of Coronavirus
- 16.11.1. Global Challenges for the Development of Prevention, Diagnostic, and Treatment Strategies for Coronavirus Infections

07

Clinical Internship

After passing the online teaching period, the program includes a practical training period in a reference clinical center. The student will have at their disposal the support of a tutor who will accompany them during the whole process, both in the preparation and in the development of the clinical internship.

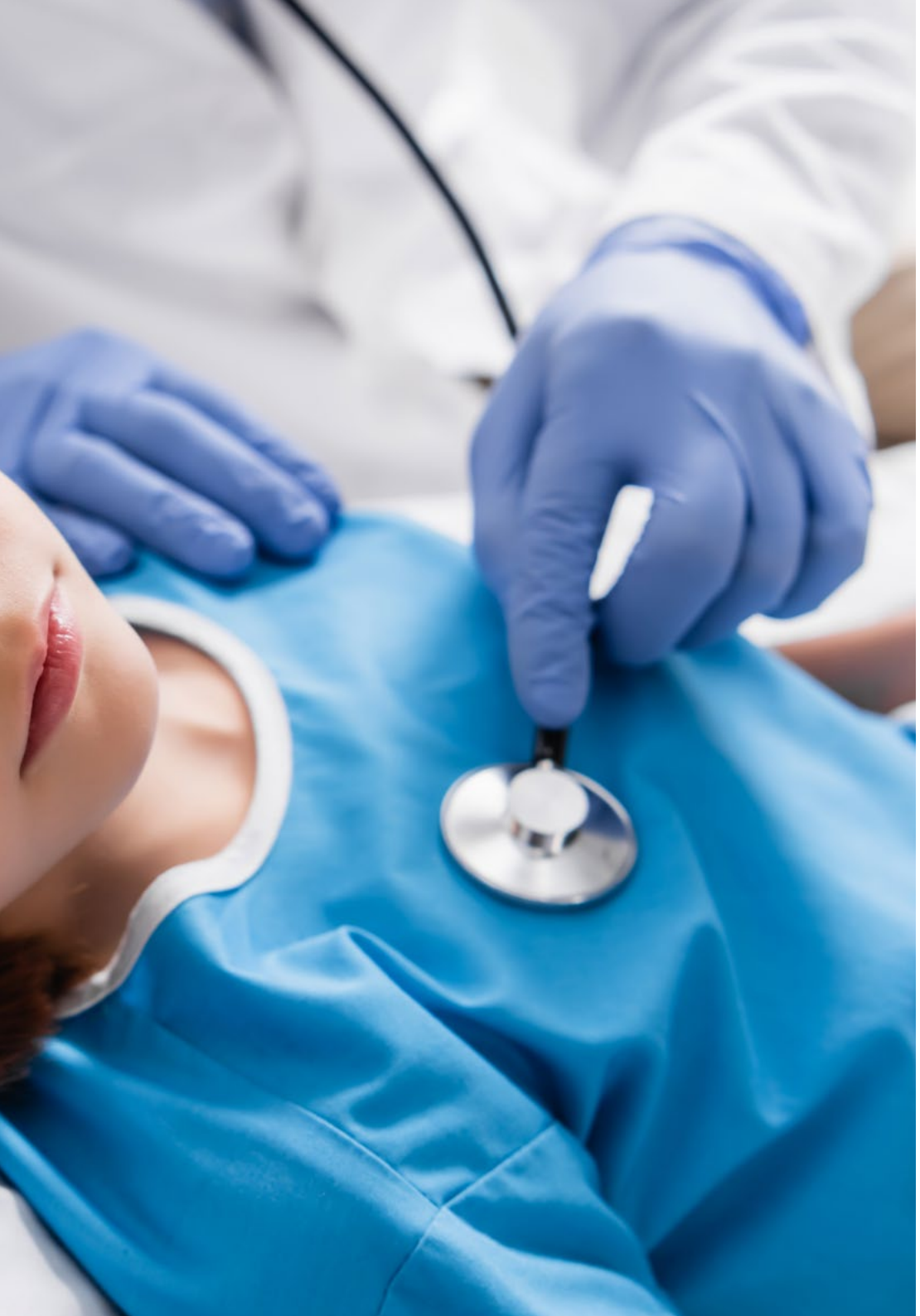
Do your clinical internship in one of the best hospitals in Spain due to its technological equipment and the team of specialists that work there"

The Internship Program consists of a 3-week clinical internship, Monday through Friday, with 8 consecutive hours of practice with an attending specialist. This stay will allow you to see real patients alongside a team of reference professionals applying the most innovative diagnostic procedures and planning the latest generation of therapy for each pathology.

In this training proposal, completely practical in nature, the activities are aimed at developing and perfecting the competencies necessary for the provision of health care in areas and conditions that require a high level of qualification, and which are oriented towards specific training for the exercise of the activity, in an environment of patient safety and high professional performance.

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 clinical practice (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:



Module	Practical Activity
Advanced support in pediatric patients with cardiac emergencies	Perform and read echocardiogram and electrocardiogram in the child
	Perform cardiorespiratory resuscitation care of the child in need of pediatric advanced life support
	Participate in vital sign readings in the pediatric patient with cardiac emergencies
	Cannulate superficial, deep and intraosseous veins to treat cardiac emergencies
Management of the pediatric trauma patient with osteoarticular injuries	Apply techniques for mobilization and immobilization of the traumatized child, as well as for transferring them
	Participate in the management of bone and joint infections
	Interpreting imaging tests in the critically injured child
	Apply the action protocols indicated for the polytraumatized pediatric patient
	Guidance on home care techniques
	Implement actions for the prevention of child abuse in families
Invasive techniques in the critically ill pediatric patient	Cannulation of superficial veins to treat dehydration, as well as deep veins or intraosseous pathways for other applications
	Perform bladder catheterization, lumbar puncture and other emergency medical procedures
	Indicate and participate in the performance of radiological examinations: US, TUS, UCM, UD
	Removing foreign bodies in accessible orifices
Care of special situations in Pediatric Emergencies	Administering medications in pediatric age
	Practice emergency psychiatry and recognize child abuse
	Indicate and assess respiratory clinical manifestations. Signs and Symptoms Gravity scales. Oxygenation rates
	Perform clinical neurological examination in the emergency department and in the critically ill child
	Care for acute abdominal pain. Participate in the management of pediatric digestive endoscopy and other necessary tests
	Assess and deal with Endocrine-Metabolic Emergencies and apply specific treatment and care plans
	Diagnosis and treatment of bacterial and viral infections in pediatrics.in pediatrics
	Manage ophthalmologic emergencies and perform ocular and nasal lavage, ocular occlusion and others

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 he/she has 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 program agreement shall be as follows:

1. TUTOR: During the Hybrid Professional Master's Degree, 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 Hybrid Professional Master's Degree, 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 Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. 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 Hybrid Professional Master's Degree 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.

08

Where Can I Do the Clinical Internship?

TECH in its interest to show the maximum scientific evidence in each of its programs, has opened this practical study space expanding the academic horizons of the professional. Thus, you will be able to choose among the various hospital centers around the national and international geography. A unique opportunity to update your knowledge with the best specialists in the sector.

Choose the internship center of your choice from the following list of prestigious hospital centers that only TECH can make available to you"

The student will be able to take the practical part of this Hybrid Professional Master's Degree in the following centers:

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

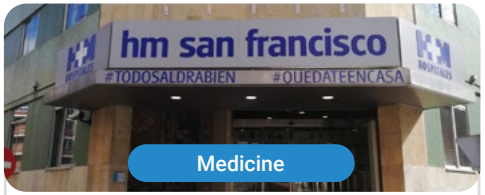
Hospital Maternidad HM Belén

Country: Spain
City: 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



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

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

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

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

Hospital HM Montepríncipe

Country: Spain
City: Madrid

Address: Av. de Montepríncipe, 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: 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

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

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

Hospital HM Vallés

Country: Spain
City: 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

09

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

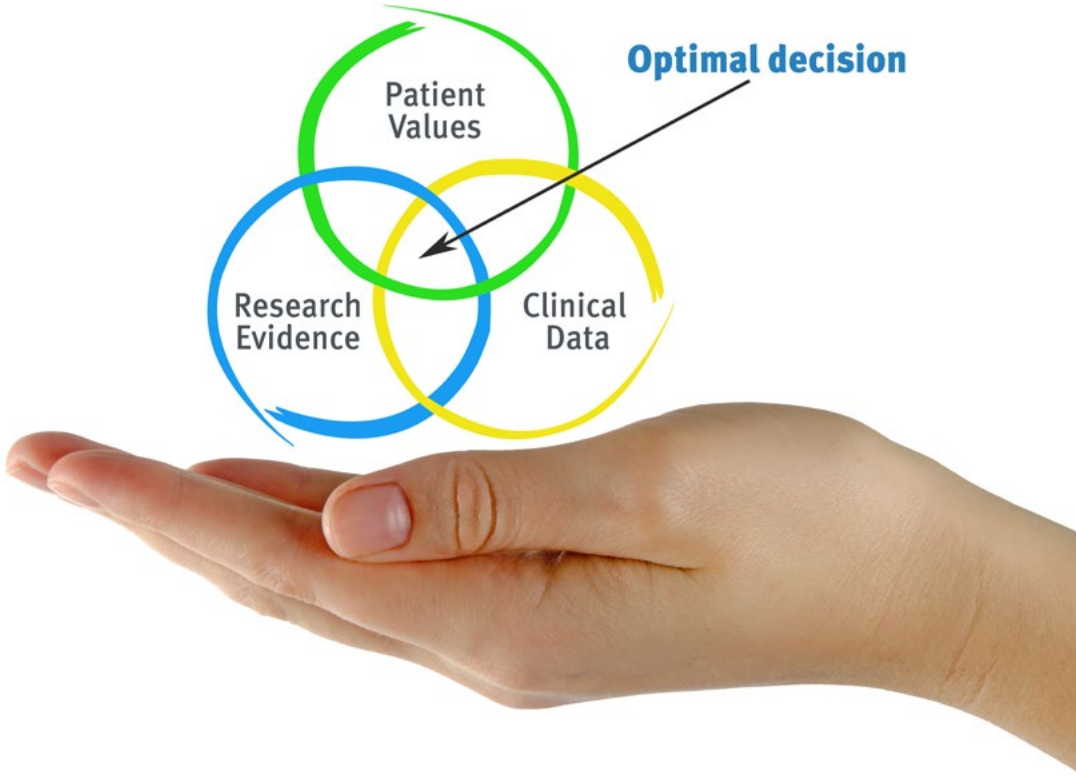
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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.

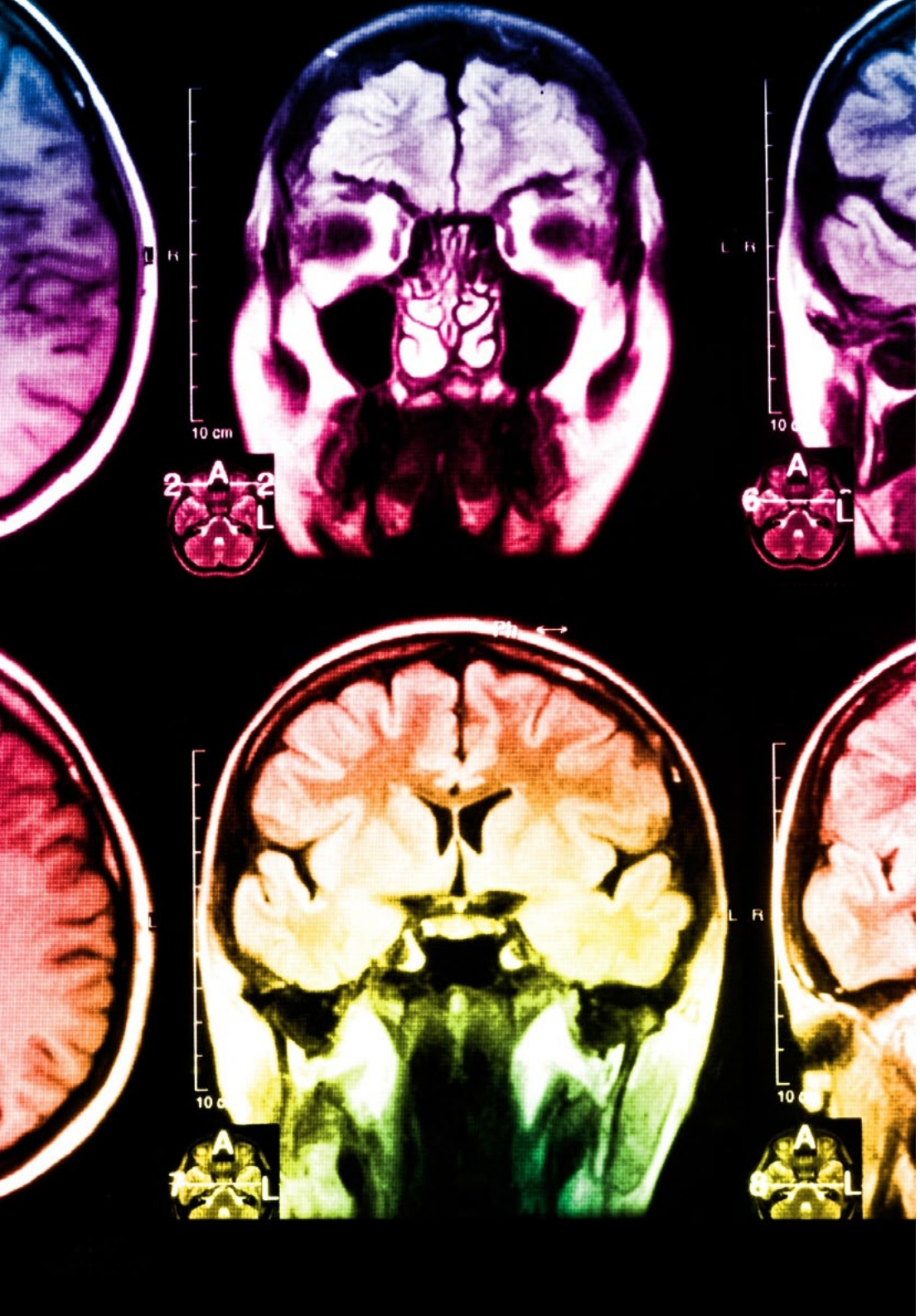
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

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.

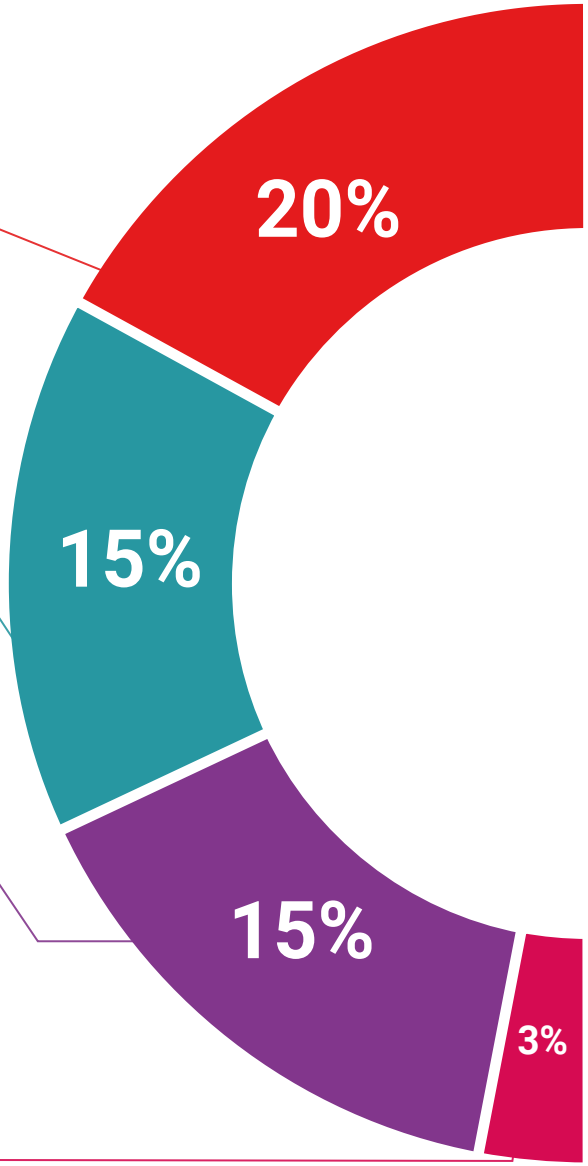
Interactive Summaries

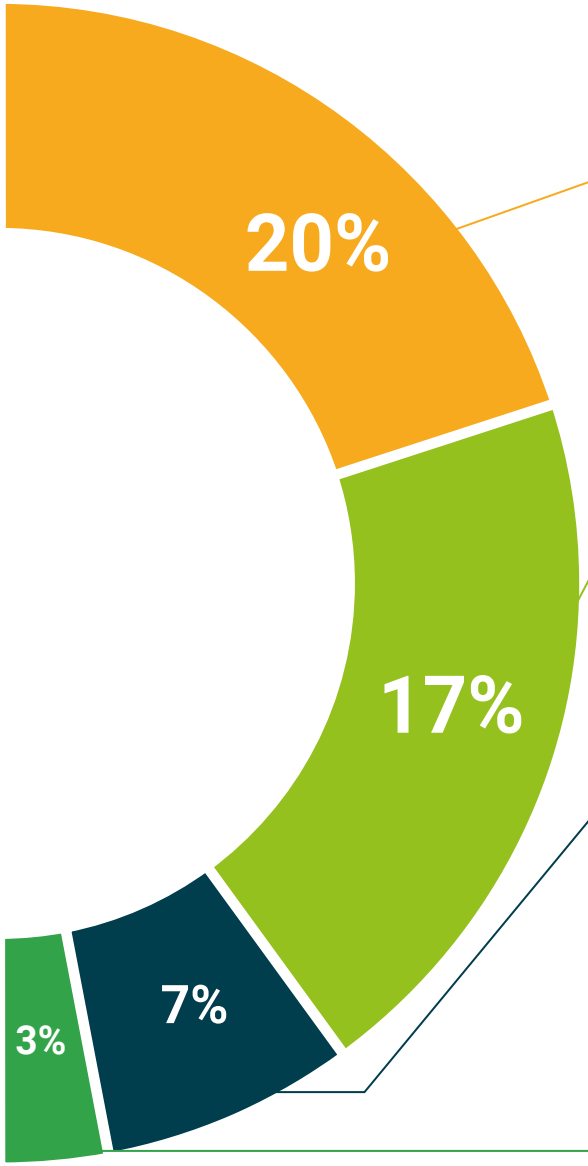
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.

10

Certificate

The Hybrid Professional Master's Degree in Pediatric Emergencies guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Technological University.

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

This **Hybrid Professional Master's Degree in Pediatric Emergencies** contains the most complete and up-to-date program on the professional and educational field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery*.

In addition to the certificate, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

Title: **Hybrid Professional Master's Degree in Pediatric Emergencies**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**

tech technological university

Awards the following

CERTIFICATE

to

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

For having successfully passed and accredited the following program

HYBRID PROFESSIONAL MASTER'S DEGREE

in

Pediatric Emergencies

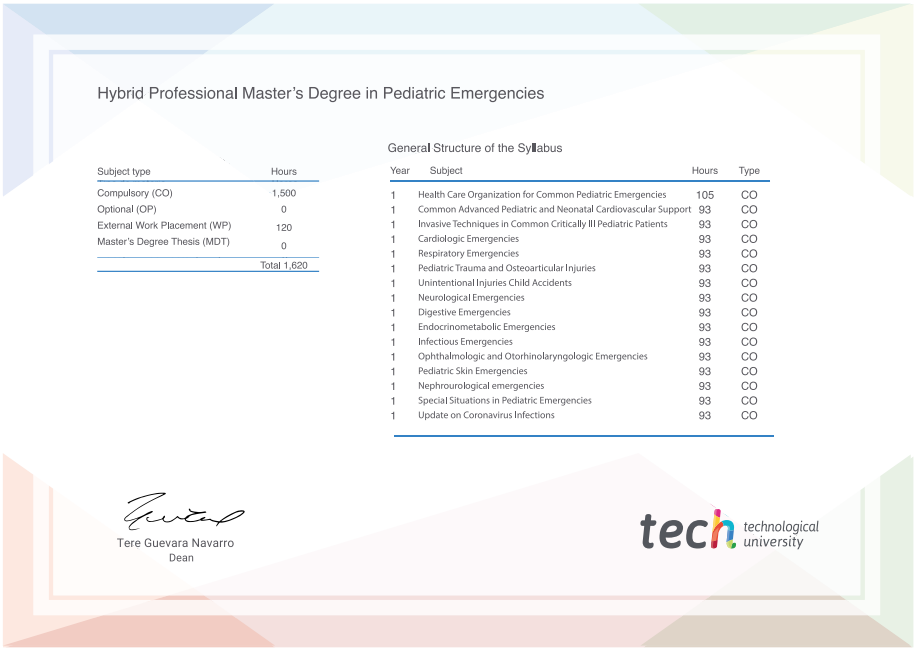
This is a qualification awarded by this University, with a duration of 1,620 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

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: AFWORD23S techtitute.com/certificates



Hybrid Professional Master's Degree in Pediatric Emergencies

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	120
Master's Degree Thesis (MDT)	0
	Total 1,620

General Structure of the Syllabus

Year	Subject	Hours	Type
1	Health Care Organization for Common Pediatric Emergencies	105	CO
1	Common Advanced Pediatric and Neonatal Cardiovascular Support	93	CO
1	Invasive Techniques in Common Critically Ill Pediatric Patients	93	CO
1	Cardiologic Emergencies	93	CO
1	Respiratory Emergencies	93	CO
1	Pediatric Trauma and Osteoarticular Injuries	93	CO
1	Unintentional Injuries Child Accidents	93	CO
1	Neurological Emergencies	93	CO
1	Digestive Emergencies	93	CO
1	Endocrinometabolic Emergencies	93	CO
1	Infectious Emergencies	93	CO
1	Ophthalmologic and Otorhinolaryngologic Emergencies	93	CO
1	Pediatric Skin Emergencies	93	CO
1	Nephrourological emergencies	93	CO
1	Special Situations in Pediatric Emergencies	93	CO
1	Update on Coronavirus Infections	93	CO

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Dean

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

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Hybrid Professional Master's Degree

Pediatric Emergencies

Course Modality: **Hybrid (Online + Clinical Internship)**
Duration: **12 months**
Certificate: **TECH Technological University**
Teaching Hours: **1,620 h.**

Hybrid Professional Master's Degree

Pediatric Emergencies

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