Postgraduate Diploma

Patient and Organizational Safety

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Postgraduate Diploma

Patient and Organizational Safety

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Global University**
- Accreditation: **24 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-patient-organizational-safety**

Index

01

Introduction

Patient safety is a crucial aspect of health care that refers to the prevention of adverse events such as medication errors, health care-associated infections, falls or injuries among others. Because of this, it is important to prevent them and ensure that patients receive the safe and effective medical care they deserve. For this reason, TECH has designed a program that allows doctors to increase their knowledge to the maximum on aspects such as Health care Quality Management Systems in Health care Institutions or Organizational Safety, among others. All this, thanks to a 100% online modality and with the most complete and up-to-date multimedia materials in the academic market.

With this program you will acquire the most advanced knowledge on Drug and Medical Devices Safety, in a 100% online mode and without leaving your home"

To ensure patient safety, it is essential that health care organizations implement appropriate safety measures. This may include training and educating health care professionals, identifying and mitigating potential risks, improving communication between practitioners and patients, or improving information systems and technology to ensure safe health care.

For this reason, TECH has designed a Postgraduate Diploma in Patient and Organizational Safety with the goal of providing students with the necessary skills to be able to carry out their work with the highest possible efficiency and quality. Therefore, throughout this program, aspects such as the Drug and Medical Devices Safety, Organizational Safety or Patient Safety in the Surgical Block will be addressed.

All this, thanks to a convenient 100% online mode that allows students to organize their schedules and studies, being able to combine them with their other daily work and interests. Furthermore, the study plan includes practical activities and the most innovative and complete didactic materials available in the current academic market.

This **Postgraduate Diploma in Patient and Organizational Safety** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by health care experts in Patient and Organizational Safety
- The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- Practical exercises where self-assessment can be used to improve learning.
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

Become an expert in ERAS Strategies and Safety in the Pediatric Surgical Process in only 6 months and with total freedom to organize your schedule"

Learn in depth about Neonatology Safety or Safe Operating Rooms in only 6 months and from any device with an Internet connection"

This program will enhance your skills and expertise in one of the most promising areas in the field of Medicine.

Update in a few months and from your tablet, mobile or computer your knowledge to the maximum on International Standards in Health Facilities Safety.

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn 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 during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts in the field of educational coaching with extensive experience.

02

Objectives

The goal of this Postgraduate Diploma in Patient and Organizational Safety is to provide students with the specialized knowledge and skills necessary to be able to face their work in this area as expert physicians and with the highest quality in their work. All this, thanks to the most updated and complete theoretical and practical contents of the current academic market.

Reach your most demanding goals in one of the areas with the greatest potential in Medicine, thanks to this unique and completely updated program from TECH, the largest digital university in the world"

General Objectives

- Analyze the importance of humanization in health care, the need for respect for life, human dignity and a comprehensive understanding of the person made vulnerable by illness
- Identify the situations and risk factors in the pediatric patient
- Determine the main preventive measures in place in pediatric patient safety
- Substantiate the importance and guidelines of surgery safety in the public health field by defining a minimum set of measures
- Promote safe working environments for the patient and for the professionals
- Promote research, innovation and training in patient safety
- Analyze the management of adverse events and improvement plans to avoid them
- Delve into the concepts, methods and strategies for improving patient safety in health care institutions
- Substantiate the best evidence on safety in biobanks and transfusion safety technologies
- Analyze patient safety strategies approached from different health care areas

Specific Objectives

Module 1. Safety of Medicines and Health Care Products. Pharmacy and Hematology

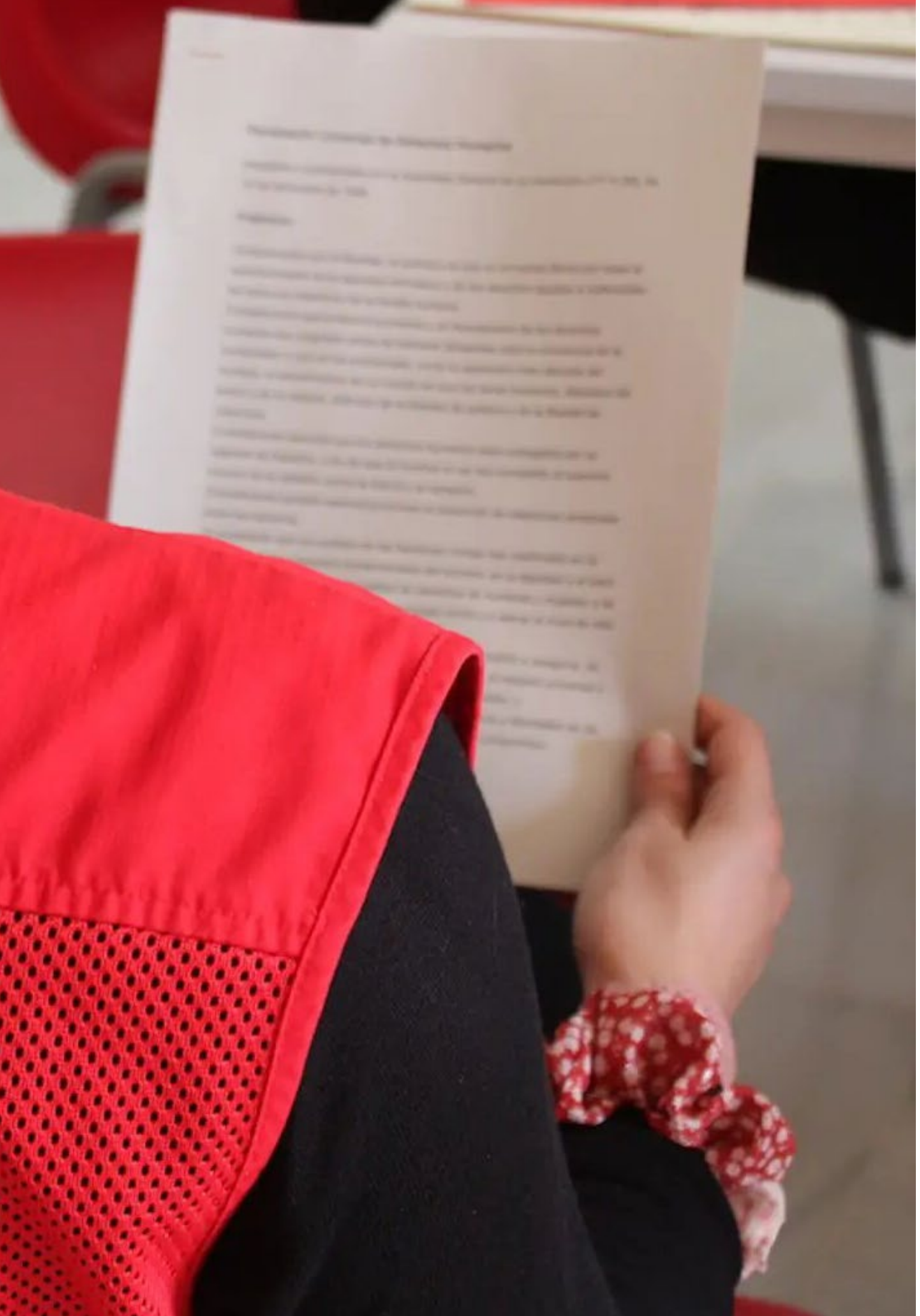
- Determine adverse effects in high-risk drugs and strategies for error prevention
- Update knowledge on monitoring by pharmacokinetics
- Analyze the Pharmacovigilance System
- Conduct a review of medical device errors: adverse incidents, alerts and notifications
- Examine robotic systems for drug packaging and dispensing and unit dosing systems, repackaging and unit dose manufacturing, automated and conventional systems
- Indicate the safety of biobanks and transfusion safety
- Develop safety aspects related to medication

Module 2. Organizational Safety

- Identify safety risks in health information management
- Analyze the various organizational structures to promote patient safety
- Implement new, more attractive and modern safety training methodologies
- Assess the impact of safety in terms of efficiency
- Detect the key aspects to be monitored for safe control of facilities
- Promote knowledge of environmental safety in the health care environment
- Position the patient as a key element in their safety

Module 3. Patient Safety in the Surgical Block. High Risk Areas

- Update the functional and structural characteristics of the Surgical Block directly related to patient safety
- Analyze the interventions that professionals must carry out in order to guarantee the safety of patients receiving surgical treatment, which are essential to contribute to the reduction of adverse effects related to the same
- Analyze the situations in the surgical health care practice environment that may pose a risk to the patient and the most common hazards
- Examine the different activities, methods and tools for the improvement of surgical safety
- Develop the different programs and strategies as a tool for the improvement of surgical safety, as well as their level of implementation in the surgical area
- Identify the role of healthcare professionals in strategies to improve patient surgical safety
- Establish different safety controls that can be performed in any operating room



Module 4. Safety of the Pediatric Patient

- Acquire the ability to identify the pediatric patient as vulnerable
- Elaborate risk maps for the detection of the most frequent adverse events in the pediatric age group
- Objectify the risk situations of the neonatal patient and his environment
- Consider the safety of the pediatric patient in clinical research
- Analyze diagnostic processes and functional tests as generators of safety incidents in children
- Identify safety risk situations in the pediatric critical patient and their environment
- Review the pediatric surgical and anesthetic process as a safe environment
- Know how to detect safety risks in the pediatric patient of special vulnerability: palliative, oncologic and pain management

Update your knowledge on Quality Controls of Hemovigilance Facilities and Systems"

03

Course Management

TECH has selected an outstanding team of professionals specialized in Patient and Organizational Safety for this university program. In this way, the graduate will obtain the most advanced and current information from the hand of prestigious active specialists, who have created a complete, unique content and have the best teaching materials on the market.

Eminences in the field of Medicine will be responsible for you to achieve a successful update in this field"

Management

Dr. Paredes Esteban, Rosa María

- Head of Service and Director of the Pediatric Surgery Clinical Management Unit of the university Reina Sofia Hospital of Córdoba
- Specialist in Pediatric Surgery at Reina Sofia University Hospital of Cordoba
- Specialist in Pediatric Surgery at the Medical-Surgical Hospital of Jaén
- Responsible for Pediatric Surgery Training at the University Reina Sofia Hospital of Córdoba
- Coordinator of the Bioethics Commission of the Spanish Society of Pediatric Surgery
- Vice-President of the Ethics Committee of the Province of Córdoba.
- Coordinator of the Vascular Anomalies Committee of the Reina Sofia University Hospital of Córdoba
- Living Donor Transplant Bioethics Committee Coordinator
- Doctor of Medicine and Surgery from the University of Granada
- Degree in Medicine and Surgery from the University of Granada
- Postgraduate Certificate in Communication with the Pediatric Patient
- Expert in Clinical Management
- University Diploma of Specialization in Quality and Patient Safety in Healthcare Institutions
- Postgraduate Certificate in Bioethics
- Member of: European Society of Pediatric Endoscopic Surgery, Spanish Society of Pediatric Surgery, Editorial Committee of the journal of the Spanish Society of Pediatric Surgery and Scientific Evaluation Committee of the Spanish Society of Pediatric Surgery

Professors

Dr. Salcedo Leal, Inmaculada

- Head of the Preventive Medicine and Public Health Interlevel Service of the Reina Sofia University Hospital of Cordoba
- Evaluator of the Bank of Experts of the State Evaluation Agency (MINECO)
- Interlocutor at the Board of Andalusia in the Phase Reduction of Isolation and Social Distancing Measures
- Associate Professor in the Department of Medical and Surgical Sciences, School of Medicine and Nursing, University of Córdoba
- Doctor in Medicine and Surgery at the University of Cordoba
- Specialist in Preventive Medicine and Public Health at the Reina Sofia Hospital in Cordoba
- Specialist in Family and Community Medicine at the Virgen Macarena Hospital in Seville and the Pino Montano Health Center in Seville
- Master's Degree in Public Health and Health Administration by the Andalusian School of Public Health of Granada
- Postgraduate Diploma in quality of health institutions by the Andalusian School of Public Health of Granada
- Member of the President of the National Commission of the Specialty of Preventive Medicine and Public Health, Vice-President of the Spanish Society of Preventive Medicine, Public Health and Health Management (SEMPSPGS), Vice-President of the Andalusian Society of Preventive Medicine, Public Health and Health Management (SAMPSPGS), Spokesperson of the Ministry of Health and Families of the Andalusian Regional Government in the Coronavirus expert group and Spokesperson of the High Impact Public Health Alerts Council

Dr. Monserrat Villatoro, Jaime

- Health Technician in the Multiprofessional Teaching Unit of Family and Community Care of the Córdoba and Guadalquivir Health District
- Honorary collaborator in the course of Preventive Medicine and Public Health at the University of Cordoba
- Postgraduate Diploma in BIG Data National University of Distance Education
- Graduate in Medicine from the University of Córdoba

Mr. Cordero Ramos, Jaime

- Specialist in Hospital Pharmacy at Virgen Macarena University Hospital
- Master's Degree in Clinical Research by the Menéndez Pelayo International University
- Master's Degree in Clinical Trials from the University of Seville
- Postgraduate Diploma in Statistics and Interpretation of Medical Studies
- Degree in Pharmacy

Dr. Gras García, Elena María

- Specialist in Preventive Medicine and Public Health
- COVID-19 protocol coordinator during the SARS-CoV2 pandemic at the Ayora Health Center System
- Doctorate in Medicine from the Autonomous University Madrid
- Master's Degree in Public Health and Health Management at the Andalusian School of Public Health
- Studies in Public Health and Intercultural Collective Health at the National University of Colombia

Dr. Fornés Torres, Gema

- Head of Immunohematology Area (Serological and Molecular Studies)
- Acting Medical Director of the Transfusion, Tissue and Cell Center of Cordoba (CTTC)
- Area Head of Serology, Nucleic Acid Amplification Technology, Platelet Immunology
- Specialty in Hematology and Hemotherapy at Reina Sofia University Hospital of Cordoba
- Assistant Physician of Hematology and Hemotherapy at the Reina Sofía Córdoba University Hospital
- Graduate in Medicine and Surgery from the Complutense University of Madrid

Dr. Sánchez Sánchez, Rafael

- Anatomopathologist at the Red Cross Hospital in Cordoba
- Medical Director at Asistencia Los Ángeles de Córdoba
- Specialist in Anatomic Pathology at the Reina Sofia University Hospital in Cordoba
- Quality and Safety Manager of the Anatomic Pathology Clinical Management Unit of the Reina Sofia University Hospital of Cordoba
- Graduate in Medicine from the University of Córdoba
- Regional Master's Degree in Emergency Medicine from the University of Cordoba
- Specialization Diploma in Quality and Patient Safety in Health Institutions from the University of Granada

Dr. Leiva Cepas, Fernando

- Specialist in Anatomic Pathology at the Anatomic Pathology Department of the Reina Sofía University Hospital of Córdoba
- Specialist in Family and Community Medicine
- Medical Specialist in Anatomic Pathology at the Reina Sofía University Hospital of Córdoba
- Clinical Tutor of Anatomic Pathology at the Anatomic Pathology Department of the Reina Sofía University Hospital of Córdoba
- Researcher in the Muscle Regeneration Research Group (REGMUS)
- Researcher in the GC-12 Research Group in Epidemiological Research in Primary Care at the Maimonides Institute of Translational Biomedical Research
- Honorary Collaborator of Histology in the Department of Morphological Sciences of the University of Córdoba
- Teacher of Pathological Anatomy and Anatomy from the University of Cordoba
- PhD Cum Laude in Biomedicine with international mention from the University of Cordoba
- Graduate in Medicine from the University of Córdoba
- Graduate in Biochemistry Medicine from the University of Córdoba
- Master's Degree in Translational Biomedical Research from the University of Cordoba

Dr. Ruiz Salcedo, Sofía

- Specialist in Family and Community Medicine
- Evaluation of compliance with the special vaccination schedule in Rheumatology patients at the Reina Sofia University Hospital
- Teacher in the Continuing Education in Respiratory Pathology for Residents and Tutors of Family and Community Medicine in the Multiprofessional Teaching Unit of Family and Community Care of Cordoba

Dr. Rumbao Aguirre, José Manuel

- Head of the Pediatrics Department of the Reina Sofia Hospital
- Medical Director of the Reina Sofia Hospital
- Deputy Director of Health Care in the Andalusian Health Service
- Manager of the Córdoba and Guadalquivir Health District

- Clinical Tutor of Pediatrics at the Faculty of Medicine of Córdoba
- Pediatrics Resident Tutor at the Reina Sofia Hospital in Cordoba
- Master's Degree in Medical Direction and Clinical Management
- Postgraduate Diploma in patient security
- Graduate in Medicine and Surgery, University of Cordoba

Dr. García Martínez, Elena

- Medical Subdirector at the Reina Sofia University Hospital
- Collaborating Professor in the Master of Nutrition and Metabolism at the University of Cordoba
- Specialist in Pediatrics and Specific Areas
- President of the Scientific Committee of the XXV Congress of the Andalusian Society for Quality of Care (SADECA)
- Doctor from the University of Cordoba
- Graduate in Medicine and Specialist

Ms. Moñiz Diez, Ana María

- Researcher at the Department of Preventive Medicine and Public Health
- Author and co-author of several scientific articles
- Speaker at International Congresses
- Professional Master's Degree in Genetics and Evolution, University of Granada
- Degree in Biotechnology by the University of Granada

Dr. Ferrer Higueras, María José

- Medical Director of the North Health Management Area of Cordoba
- Deputy Medical Director of the Reina Sofia University Hospital of Cordoba
- Specialist in Intensive Care Medicine at the University Hospital Reina Sofía of Córdoba
- Instructor of Basic and Advanced Cardiopulmonary Resuscitation (CPR) by the European Resuscitation Council (ERC)
- Teacher in the Specialization Diploma in Quality and Patient Safety in Health Institutions, given by the Andalusian School of Public Health (EASP)
- Master's Degree in Health Sustainability through Innovative Resource Management from the University of Valencia
- Degree in Medicine from the University of Córdoba
- Specialization Diploma in Quality and Patient Safety in Health Institutions from the University of Granada
- Specialization Diploma in Bioethics from the University of Granada
- Specialization Diploma in Management Development in the Health Sector from the International University of Andalusia
- Certificate of Advanced Studies in the program "Advances in Medical-Surgical Specialties" by the Department of Medical-Surgical Specialties of the University of Cordoba

Mr. Toro Santiago, Joaquín

- Head of the Integrated Training Unit at the Reina Sofia University Hospital in Cordoba
- Supervisor of Pediatric Surgery in the Pediatric Intensive Care Unit and Pediatric Emergency Room of the Reina Sofia University Hospital
- Pediatric Nursing Teaching Unit Coordinator
- Associate Professor at the University of Cordoba
- Lecturer of the Master in Nursing Care of the Hospitalized Patient at the University of Barcelona
- University Diploma in Nursing at the University of Cordoba
- Pediatric Nurse Specialist

Dr. Delgado Osuna , José Antonio

- Deputy Provincial Director of Information Systems and Technologies in the province of Cordoba in the Andalusian Health Service
- Lecturer in courses in the Andalusian Health Service, in the Osuna Health Management Area
- Doctorate in Computer Engineer from the University of Córdoba
- Master's Degree in Soft Computing and Intelligent Systems from the University of Granada
- Higher Engineering Degree in Computer Science from the University of Granada
- Technical Engineer in Computer Science

Ms. López Cabrera, Estefanía

- Supervisor of Preventive Medicine and Public Health at the Reina Sofía University Hospital of Córdoba
- Work Nurse Specialist in the Occupational Health Unit of the Reina Sofía University Hospital of Córdoba
- Lecturer in the area of Preventive Medicine and Public Health at the Reina Sofía University Hospital in Córdoba
- Collaborating Professor in the Department of Preventive Medicine and Public Health of the University of Cordoba
- Official Master's Degree in Occupational Risk Prevention at the University of Cordoba
- Master's Degree in Occupational Health in the Health Care Environment from Miguel de Cervantes European University
- Master's Degree in Pharmacotherapy for Nursing from the University of Valencia
- Master's Degree in Health Management from the Isabel I of Burgos University
- Postgraduate Certificate in Nursing from the University of Cordoba

Mr. Rubio Osuna, Francisco

- Nurse in the Clinical Management Unit of Preventive Medicine and Public Health of the Reina Sofia University Hospital of Cordoba
- Master's Degree in Emergency Nursing University Rey Juan Carlos
- Master's Degree in Nutrition and Metabolism from the University of Cordoba
- Master's Degree in Pharmacotherapy for Nursing from the University of Valencia
- Graduate in Nursing from the University of Cordoba

Ms. Romero Romero, Lucía

- Nurse in the Tracking Unit at the Reina Sofia University Hospital in Cordoba
- Nurse in the Internal Medicine Clinical Management Unit in the COVID-19 Unit at the Reina Sofia University Hospital in Cordoba
- Postgraduate Certificate in Hemodialysis and Renal Transplantation for Nurses at the Antonio de Nebrija University
- Master's Degree in Occupational Risk Prevention with a specialization in Industrial Hygiene by the University of Cordoba
- Postgraduate Certificate in Mechanical Ventilation and Airway Care for Nurses by the Antonio de Nebrija University
- Postgraduate Certificate in Polytraumatized and Monitoring in ICU for Nurses by the Antonio de Nebrija University
- Graduate in Nursing at the University of Cordoba.

Dr. Gil Campo, María Mercedes

- Coordinator of the Metabolism and Research Unit of the Reina Sofia University Hospital in

Cordoba
- Specialist Pediatrician
- Professor of Pediatrics at the Faculty of Medicine from the University of Cordoba
- Doctor in Medicine from the University of Córdoba
- Degree in Medicine and Surgery from the University of Cordoba

Ms. Álvaro Sánchez, Ester
- Nurse in Pediatric UCI at Reina Sofia University Hospital of Cordoba
- Pediatric Nurse Specialist at the Reina Sofia University Hospital
- Graduate in Nursing from the University of Salamanca
- Postgraduate Diploma in School Nursing by the UNIR
- Postgraduate Diploma in Nursing Leadership. Nightingale Challenge by UNIR.

Ms. Continente Bermudo, Cristina Isabel
- Pediatric Nurse at the Reina Sofia University Hospital in Cordoba
- Graduate in Nursing at the University of Cordoba.
- Specialist in Family and Community Nursing
- Specialist in Pediatric Nursing at Reina Sofia University Hospital
- Master's Degree in Proactive Nursing Care from the Catholic University of Avila
- Postgraduate Diploma in School Nursing from the International University of La Rioja

Ms. González Zurita, Ana Isabel
- Supervisor of the Pediatric Surgery UGC of the Reina Sofía University Hospital Graduate in Nursing from the University of Córdoba
- Teacher of the Nursing Care Course in the Hospitalized Pediatric Patient
- Master's Degree in Pharmacotherapy for Nursing from the University of Valencia.
- Master's Degree in Specialized Nursing Care in Emergency, Critical Care and Post-Anesthesia Areas
- Graduate in Nursing at the University of Cordoba.

Dr. Romero Martinez, Jesús
- Head of Section in Pediatric Anesthesiology at the Reina Sofia Hospital in Cordoba.
- Coordinator of the surgical block of the Maternal and Infant Hospital.
- Clinical tutor in the department of medical-surgical specialties of the University of Cordoba
- Tutor for residents in training in Anesthesiology and Resuscitation at the Reina Sofia Hospital in Cordoba.
- Doctor of Medicine, Cordoba University
- Graduate in Medicine and Surgery, University of Cordoba

Dr. Vallejo Cantero, Francisco Javier
- Head of Department Tracking Unit integrate at the Reina Sofia University Hospital in Cordoba.
- Member of the group for the implementation and development of the integrated care process "Childhood pain" in the HURS of Córdoba.
- Area Specialist in Anesthesiology and Resuscitation at the Reina Sofia University Hospital in Cordoba.
- Resident tutor in the specialty of anesthesiology and resuscitation at the University Hospital of Cordoba.
- Anesthesiological assistance in the transplant program of the Queen Sofia Hospital Preferably in the maternity and infant surgical block of the Queen Sofia Hospital.
- Coordinator of the accreditation of clinical sessions of the Anesthesiology and Resuscitation service at the HURS of Córdoba.
- Graduate in Medicine and Surgery, University of Cordoba

Dr. Benítez Muñoz, Helga María
- Specialist at the Pediatric Palliative Care Unit Cardiology Service Department of the Reina

Sofia University Hospital of Cordoba.

- Clinical Tutor of the Pediatrics course of the Medicine Degree of the University of Seville
- Specialist in Pediatrics and its specific areas by the Ministry of Science, Innovation and Universities
- Specialist in Pediatric Palliative Care
- Professional Master's Degree in Pediatric Palliative Care from the International University of La Rioja.
- Degree in Medicine from the University of Seville

Ms. Sánchez Reyes, Marta

- Nurse in Palliative Care in the Tracking Unit at the Reina Sofia University Hospital in Cordoba.
- Pediatric Nurse Specialist
- Professional Master's Degree in s Degree specialized in Pediatrics from the University of Valencia.
- Professional Master's Degree in Centers Healthcare from the University of Valencia
- Specialist in Emergency Nursing and Outpatient Emergencies from the European University of Madrid

Ms. Pabón González, Laura

- Nurse of Events and Preventive Services in Basic and Advanced Life Support ambulances in Ambulancias Ayón.
- Specialty in Pediatric Nursing at Reina Sofia University Hospital
- Postgraduate Diploma in Nursing in Mental Health and Psychiatry by the UNED
- Postgraduate Diploma in Nursing in prescription, use and management of drugs by the UNED.
- Postgraduate Diploma in Advanced Nursing Care by the University of León.
- Official Master's Degree in International Health from the University of Malaga.
- Graduate in Nursing from the University of Malaga.

Mr. Jimber, Manuel

- Information Security Manager
- Head of the ICT Security Unit
- External Teacher in Risk Analysis and Management and Professional Master's Degree in Cybersecurity
- Interuniversity Master in Information and Communication Technologies Security from the Open University of Catalonia
- Specialist in Quality and Patient Safety in Healthcare Institutions.
- Postgraduate Certificate in Logical Systems by the University of Cordoba
- Postgraduate Diploma in Personal Data Protection, University of Murcia.

Dr. Montero Yéboles, Raúl

- Specialist Pediatrician
- Specialist in Pediatrics at the University Hospital of Salamanca
- Subspecialization in PICU
- Teacher in the Master in Respiratory Support and Mechanical Ventilation at the University of Valencia
- Teacher in the European Program of the European Society of Pediatric Intensive Care (Mentorship program)
- Doctorate in Pediatrics from the University of Salamanca
- Master's Degree in International Cooperation from the Complutense University of Madrid
- Expert Diploma in Bioethics from the University of Granada.
- Degree in Medicine from the Complutense University of Madrid.

Ms. Lara Robles, Patrica

- Associate Researcher at the Maimonides Institute of Biomedical Research of Cordoba

Mr. Ruz López, Antonio Jesús

- Occupational Risk Prevention Technician at the Reina Sofia University Hospital
- Industrial Technical Engineer (specializing in Electricity) from the Polytechnic School of the University of Cordoba
- Postgraduate Specialization in Explosive Atmospheres from the Polytechnic University of Madrid
- Prevention of Occupational Risks Specialty Occupational Safety. Esculapio Foundation

Mr. Salmoral Almagro, Francisco

- Technical Engineer in Vithas Sanidad Málaga Internacional
- Senior Technician in Occupational Risk Prevention
- Senior Technician in Integrated Quality Systems
- Senior Technician in Environmental Management Systems
- Senior Technician in Indoor Environmental Quality
- Technical Industrial Engineer in Industrial Electronics from the University of Cordoba

Dr. Marín González, Beatriz

- Specialist in Preventive Medicine and Public Health
- Specialist in Family and Community Medicine
- Doctor of Medicine
- Master's Degree in Research Methodology by OCU
- Master's Degree in Emergencies from the University of Cordoba
- Master's Degree in Public Health from the University of Granada
- Expert in Pediatric Emergencies Catholic University of Valencia
- Antimicrobial Resistance Expert

- Assistant Pharmacist at Morente Pharmacy
- Assistant Pharmacist at Guillermo Sierra Pharmacy and another CB
- Master's Degree in Clinical Analysis from CEMP Master's Degrees and Postgraduate Studies
- Master's Degree in Management Integrals and Monitoring of Clinical Trials in IMF Smart Education
- Degree in Pharmacy Engineering from the University of Granada

Ms. Guillén Climent, Silvia

- Clinical Trials Coordinator at the Maimonides Institute of Biomedical Research of Cordoba
- Research Technician at the Maimonides Institute of Biomedical Research of Cordoba.
- Research Support Technician in Therabot Project.
- Physiotherapist in several hospitals in Andalusia.
- Professional Master's Degree in Clinical Trials at the University of Seville.
- Professional Master's Degree in Occupational Risk Prevention by Francisco de Vitoria University.
- Professional Master's Degree in Physical Activity and Health, International University of Andalusia.
- Degree in Physical Activity and Sport Sciences from the University of Extremadura

Dr. González Morales, Laura

- Specialist in Preventive Medicine at Reina Sofia University Hospital
- Specialist in Preventive Medicine at Nuestra Señora del Prado University Hospital
- Specialist n the Poniente de Almería Health District.
- Master's Degree in Public Health and Health Management from the National School of Health, Carlos III Institute

Mr. Carazo del Río, Jesús

- Nurse in the Preventive Medicine Service
- Nurse in the Santa Maria Nursing Home
- Master's Degree in Nurse Pre-registration
- Master's Degree in Specialized Care in Emergency, Critical Care and Post Anesthesia Areas
- Degree in Nursing

04

Structure and Content

The syllabus of this university program has been prepared by a large team of professionals in the medical field, who have extensive experience in the sector. Therefore, the graduate will have at his disposal a complete syllabus that includes the most current and accurate information, complemented by the most innovative teaching materials, which can be accessed comfortably, whenever they wish.

Thanks to TECH and this complete syllabus, you will be able to keep up to date on Patient and Organizational Safety, with no time limits and without leaving home"

Module 1. Safety of Medicines and Health Care Products. Pharmacy and Hematology

1.1. Safe Medication Use: Good Clinical Practice
- 1.1.1. Bioethical Aspects
- 1.1.2. Adverse Events
- 1.1.3. Role of the Administration and the Industry in Error Prevention

1.2. Medication Errors
- 1.2.1. Terminology and Classification of Medication Errors
- 1.2.2. Causes of Measurement Errors
- 1.2.3. Error Detection Methods

1.3. Medication Reconciliation
- 1.3.1. Stages of the Reconciliation Process. Admission and Discharge Reconciliation
- 1.3.2. Indicators of the Reconciliation Process
- 1.3.3. Recommendations for Institutions and Organizations

1.4. High-Risk Medications. Strategies for Error Prevention
- 1.4.1. Standardization of Prescribing and Protocol Development
- 1.4.2. Automated Alert Systems
- 1.4.3. De-Prescription in Polymedicated Patients
- 1.4.4. Intrinsic and Extrinsic Criteria
- 1.4.5. Innovations Applied to the Prevention of Medication Errors

1.5. Pain Prevention
- 1.5.1. Pain as a Health Problem: Epidemiology of Painful Processes
- 1.5.2. Safety in Pain Management
- 1.5.3. Prevention Measures of Painful Processes

1.6. Transfusion Safety
- 1.6.1. Hemovigilance System
- 1.6.2. Optimal Use of Blood
- 1.6.3. Patient Blood Management - (PBM) Patient Blood management BORRAR

1.7. Safety in Biobanks
- 1.7.1. Control Measures in Laboratories
- 1.7.2. Biological Containment Levels
- 1.7.3. Biosafety
- 1.7.4. Sample Transport

1.8. High-Risk Medications. Strategies for Error Prevention
- 1.8.1. Drugs Requiring Clinical Monitoring
- 1.8.2. Pharmacogenetics
- 1.8.3. Pharmacogenetics to Avoid Adverse Reactions
- 1.8.4. Drugs of Similar Appearance

1.9. Pharmacovigilance System. Errors with Medical Devices: Adverse Incidents, Alerts and Notifications
- 1.9.1. Types of Pharmacovigilance
- 1.9.2. Automated Alert Systems
- 1.9.3. Types of Studies Applied to Pharmacovigilance and Pharmacoepidemiology

1.10. Robotic Systems for the Packaging and Distribution of Drugs
- 1.10.1. Dosing Systems in Unit Doses
- 1.10.2. Distribution by Kits, Trolley Systems and Automated Dispensers
- 1.10.3. Repackaging and Manufacturing of Unit Doses. Automated and Conventional Systems

Module 2. Organizational Safety

2.1. Patient Safety in Organizations
- 2.1.1. Basics of Patient Safety
- 2.1.2. Patient Safety: Historical Evolution
- 2.1.3. International Patient Safety Models

2.2. Patient Safety Structure in Health Care Facilities
- 2.2.1. Patient Safety in the Management Teams
- 2.2.2. Patient Safety Organizational Chart at the Health Care Facilities
- 2.2.3. Involvement of the Professionals in Patient Safety

2.3. Patient Safety Training for Professionals
- 2.3.1. Patient Safety Training for Health Care Professionals
- 2.3.2. Effective Pedagogical Techniques in the Continuing Education of Health Care Professionals.
- 2.3.3. ICT Tools to support Continuing Education
- 2.3.4. New Emerging Trends in Continuing Education
  - 2.3.4.1. Clinical Simulation in Virtual Environments
  - 2.3.4.2. Gamification

2.4. Information Security
- 2.4.1. International Legal Framework for Information Security
- 2.4.2. Fundamental Aspects of Health Information Safety
- 2.4.3. Safety Risk Analysis in Health Information Management

2.5. Research and Innovation in Patient Safety
- 2.5.1. Importance of Safety in the Field of Research and Innovation
- 2.5.2. Ethical Considerations in Research
- 2.5.3. Current Status of Patient Safety Research

2.6. Active Involvement of Patients and the Public in Patient Safety
- 2.6.1. Patient and Public Information on the Safety of their Health Care
- 2.6.2. Actions to Raise Awareness and Train Patients and the General Population on Risk Prevention in the Health Care System
- 2.6.3. Resources for Promoting the Active Participation of Patients in their Safety.

2.7. Environmental Safety in Health Care Centers
- 2.7.1. Environmental Safety in Health Care Facilities
- 2.7.2. Monitoring and Control of Environmental Biosafety
- 2.7.3. Prevention Techniques and Systems

2.8. Occupational Risk Prevention. Safe Work Environments
- 2.8.1. Occupational Hazards in the Health Center Worker
- 2.8.2. Prevention Measures to Obtain Safe Working Environments
  - 2.8.2.1. Emergency Planning
- 2.8.3. Occupational Stress, Mobbing and Burnout

2.9. Safety in Health Care Facilities
- 2.9.1. Differential Characteristics in Health Care Facilities
- 2.9.2. Quality Controls of the Facilities
- 2.9.3. International Standards on the Safety of Health Care Facilities

2.10. Cost-Efficiency Analysis of Patient Safety
- 2.10.1. Need to Quantify the Cost of Adverse Events
- 2.10.2. Costs Related to Medication Errors
- 2.10.3. Costs Related to Nosocomial Infections
- 2.10.4. Costs Related to Errors in the Surgical Patient

Module 3. Patient Safety in the Surgical Block. High Risk Areas

3.1. ERAS Program (Enhanced Recovery After Surgery Program)
- 3.1.1. Vision and Conceptualization of the ERAS Program
- 3.1.2. ERAS Strategies
- 3.1.3. ERAS Practical Application and Results

3.2. Project Zero
- 3.2.1. Background on the Development of Zero Projects
- 3.2.2. Types of Zero Projects
- 3.2.3. Evolution of Infections According to the Results Obtained in the Zero Projects

3.3. Environmental Biosafety in Controlled Environment Rooms
- 3.3.1. Environmental Biosafety in Controlled Environments. Contextualization and Terminology
- 3.3.2. Classification of Hospital Areas
- 3.3.3. Environmental Biosafety Microbiological Sampling Methods

3.4. Safe Operating Rooms
- 3.4.1. Intraoperative Discipline
- 3.4.2. Situations Requiring Indication of Mandatory Microbiological Control
- 3.4.3. Operating Room Circuits in Pandemic Situations

3.5. Proper Cleaning and Disinfection
- 3.5.1. Operating Room Cleaning and Disinfection
- 3.5.2. Surgical Area Spaces. Frequency of Cleaning
- 3.5.3. Cleaning and Disinfection Procedures in the Surgical Area
  - 3.5.3.1. Products and Methods

3.6. Application of New Decontaminant Technologies
- 3.6.1. UV Radiation
- 3.6.2. Hydrogen Peroxide
- 3.6.3. Quarternary Ammoniums
- 3.6.4. Other Decontaminants
  - 3.6.4.1. Vaporized Ozone System, Copper, Silver

3.7. Shelf Life, Preservation and Storage of Sanitary Material
- 3.7.1. Maintenance of Surgical Instruments
- 3.7.2. Transport, Conservation and Storage of Surgical Instruments
- 3.7.3. Quality Control of Surgical Instruments

3.8. Identification. Check List. Laterality Protocol
- 3.8.1. Safety in Surgery
- 3.8.2. Surgical Safety Checklist
- 3.8.3. Laterality Protocol

3.9. Safe Practices in Diagnostic Tests
- 3.9.1. Diagnostic Validity and Reliability
- 3.9.2. Safe Practices to Reduce Risks
- 3.9.3. Risk and Failure Analysis. Error Investigation

3.10. Safety in the Sensitive Surgical Patient
- 3.10.1. Patients Allergic to Latex
- 3.10.2. Multiple Chemical Sensitivity (MCS)
- 3.10.3. Isolation Measures in the Surgical Block

Module 4. Safety of the Pediatric Patient

4.1. Safety of the Pediatric Patient
- 4.1.1. Safety of the Pediatric Patient
- 4.1.2. Comprehensive Safe Care
- 4.1.3. Risk Management. Learning and Continuous Improvement
- 4.1.4. Active Involvement of the Pediatric Patient and Their Family

4.2. Pediatric Patient and Research. Monitoring
- 4.2.1. Peculiarities of Research in the Pediatric Patient
- 4.2.2. Ethical Aspects in Pediatric Research
- 4.2.3. Pediatric Patient Safety Research

4.3. Safety in the Hospitalized Pediatric Patient
- 4.3.1. Adverse Events in the Hospitalized Child
- 4.3.2. Safety Strategies in the Hospitalized Pediatric Patient
- 4.3.3. How to Report an Error

4.4. Safety in the Pediatric Surgical Process
- 4.4.1. Pre-Surgical Reception. Pre-Operative Safety
- 4.4.2. Post-Operative Safety in the Pediatric Surgical Patient
- 4.4.3. Prevention of Post-Operative Infections

4.5. Anesthetic Safety in Pediatrics
- 4.5.1. Pediatric Perioperative Safety
- 4.5.2. Safe Anesthesia in Major Outpatient Surgery
- 4.5.3. Safe Sedation outside the Operating Room
- 4.5.4. Pediatric Locoregional Anesthesia

4.6. Pain Management in Pediatrics
- 4.6.1. Importance of Pain as a Constant Fifth
- 4.6.2. Pain Assessment in Pediatrics
- 4.6.3. Procedures to Reduce Pain in the Pediatric Patient

4.7. Palliative Care in Pediatrics
- 4.7.1. Home Hospitalization in the Pediatric Palliative Care Patient
- 4.7.2. Family and Caregiver Involvement in Pediatric Palliative Care Patient Safety
- 4.7.3. Safe Use of Medications in Pediatric Palliative Care

4.8. Safety in Neonatology
- 4.8.1. Differential Aspects of the Neonatal Period
- 4.8.2. Main Safety Risks in the Neonatal Unit
- 4.8.3. Safe Practices in Neonatology

4.9. Safety in Functional and Ambulatory Tests
- 4.9.1. Patient Safety and Risk in the Setting of Health Care Testing
- 4.9.2. Safe Practices for the Prevention of Adverse Events
- 4.9.3. How to Deal with an Error

4.10. Safety in Ucip
- 4.10.1. Critical Patient Safety Indicators
- 4.10.2. Main Causes of the Production of Adverse Events
- 4.10.3. Safety Culture and Action in the Face of Adverse Events

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

"At TECH you will NOT have live classes (which you might not be able to attend)"

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

> *TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"*

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

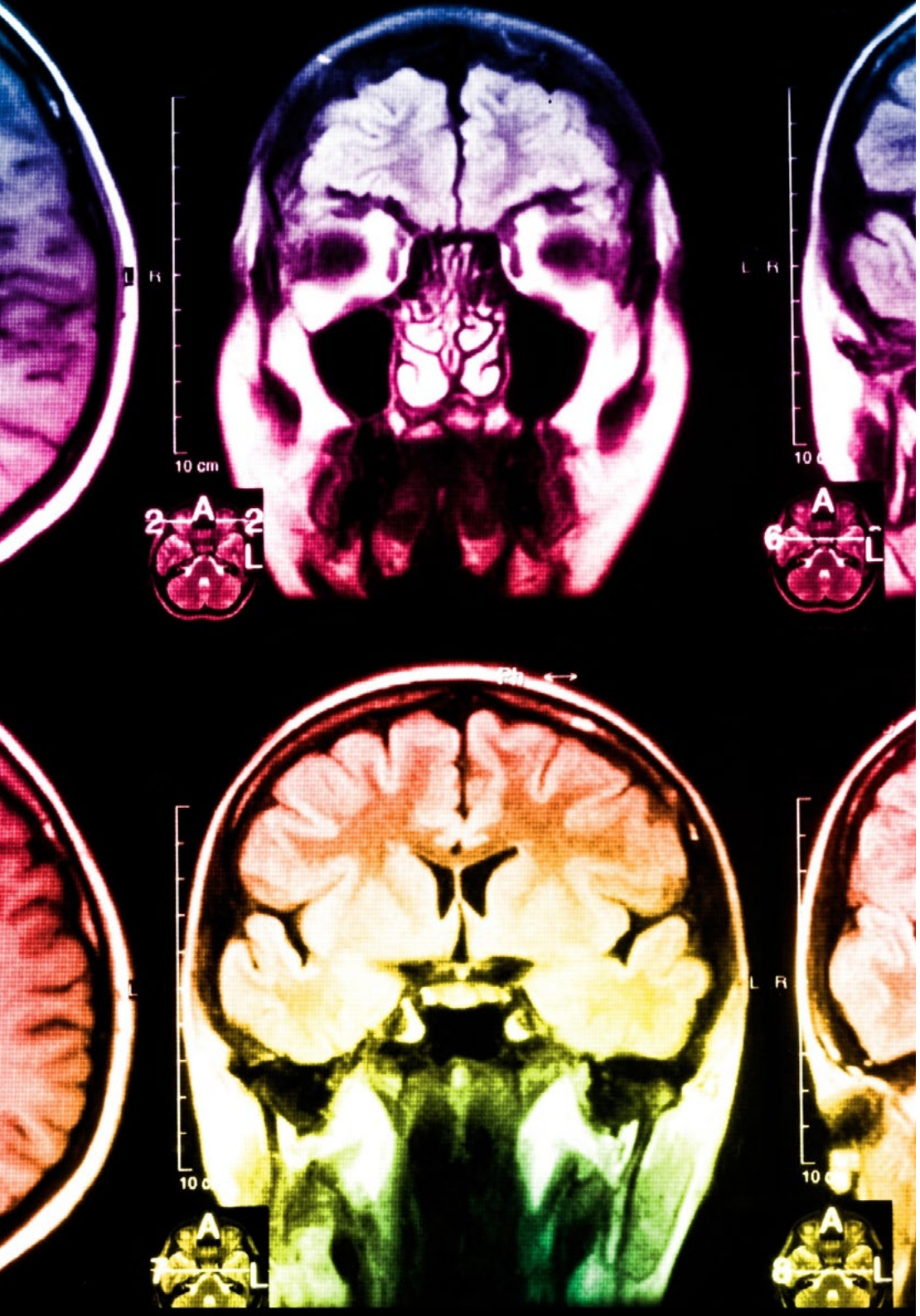
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

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 assess 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.



The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

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.

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

Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

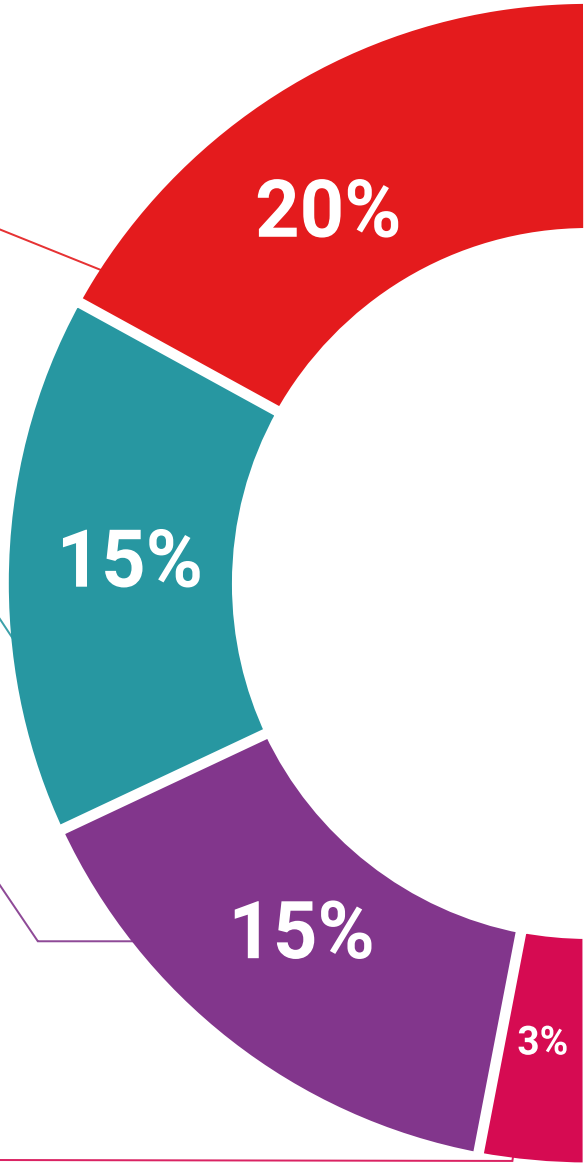
Interactive Summaries

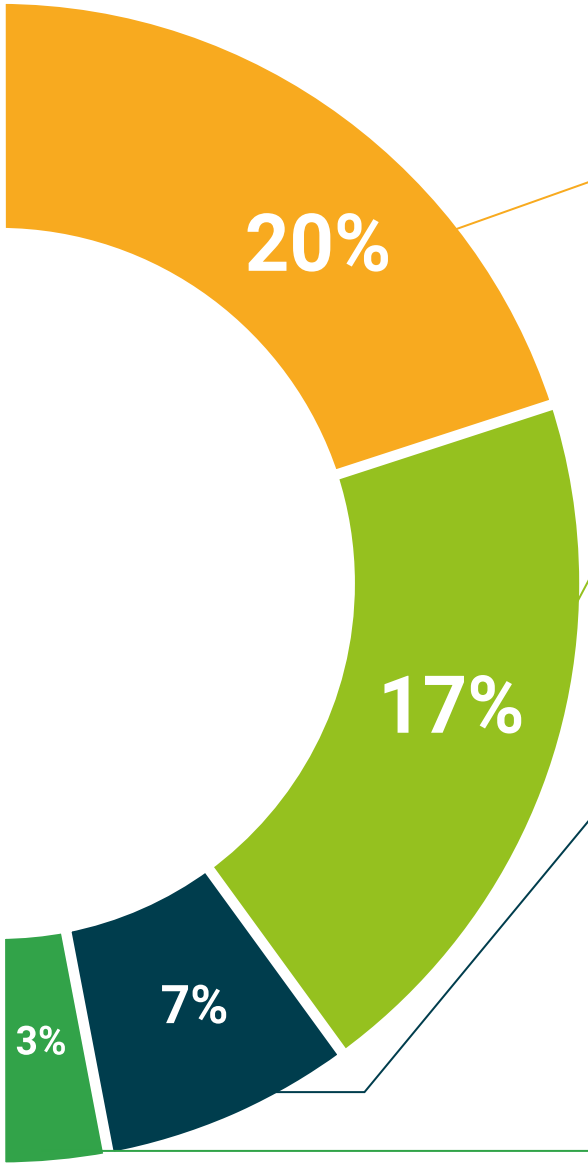
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

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





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.

Quick Action Guides

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

06

Certificate

The Postgraduate Diploma in Patient and Organizational Safety guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.

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

This private qualification will allow you to obtain a **Postgraduate Diploma in Patient and Organizational Safety** endorsed by **TECH Global University**, the world's largest online university.

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

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

Title: **Postgraduate Diploma in Patient and Organizational Safety**

Modality: **online**

Duration: **6 months**

Accreditation: **24 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Patient and Organizational Safety

This is a private qualification of 720 hours of duration equivalent to 24 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
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

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

tech global university

Postgraduate Diploma

Patient and Organizational Safety

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Global University**
- Accreditation: **24 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Postgraduate Diploma

Patient and Organizational Safety

tech global university