Professional Master's Degree

Quality and Patient Safety

tech global university

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Professional Master's Degree

Quality and Patient Safety

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Global University**
- Credits: **60 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/medicine/professional-masters-degree/master-quality-patient-safety

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01

Introduction

Health care involves risks even greater than the disease itself. It is therefore essential that health care systems are articulated under principles of clinical and process safety that raise the quality of care. Therefore, beyond the deep scientific-technical knowledge on the approach to patients' pathologies, health care professionals must be aware of the advances in the management of adverse events, prevention and protection of the patient or the challenge of improving the human quality of care. In this way, TECH has designed this 100% online academic option that allows physicians to effectively update and increase their knowledge in this field. All through advanced content, available from any digital device with Internet connection.

With this Professional Master's Degree you will incorporate the most advanced and current procedures for the management of Quality and Patient Safety"

Nowadays there is a broad consensus on the quality criteria of health services: efficiency, safety, people-centered, timely, equitable, integrated and efficient. Implementing and applying them on a daily basis contributes to the patient's own safety and satisfaction with the care received.

Given their relevance, it is necessary that physicians are aware of the latest methodologies, technological tools and elements that are incorporated in the different hospital centers in order to carry out a continuous improvement in health care. For this reason, TECH has designed this Professional Master's Degree in Quality and Patient Safety that provides a complete update of knowledge in this field through a syllabus developed by a teaching team with outstanding experience in the sector.

It is a program that provides the latest developments in comprehensive care through methodologies that raise the humanization of health, incorporates the ethics of care and enhances research. Therefore, this academic itinerary will allow to deepen in the incorporation of Big Data and *Machine Learning* in clinical organizations and the predictive models used to increase safety, the most frequent errors and adverse events in clinical care.

Additionally, in this 12-month itinerary, the graduate will deepen with the most innovative didactic material in clinical risk management, pediatric patient safety, drug safety and advances in patient safety in surgical and pediatric block.

Consequently, the professional is facing an excellent opportunity to get an update through a flexible university program adapted to the real needs of physicians. Students only need an electronic device with an Internet connection to view the content of this program at any time of the day. An ideal opportunity to study a quality program at the academic forefront.

This **Professional Master's Degree in Quality and Patient 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 Quality and Patient Safety
- 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
- The practical exercises where the self-evaluation process can be carried out 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

You are looking at a flexible program compatible with your most demanding daily responsibilities"

You have video summaries of each topic and multimedia pills that will help you in this process of updating your knowledge in Quality and Patient Safety"

You will be aware of the use of Big Data and Machine Learning for the definition of predictive models in Patient Safety.

This program will take you deeper into the challenge of humanization as a determinant element of the quality of care.

The program includes in its teaching staff professionals of the field who pour into this training the experience of their work, in addition to recognized specialists from reference societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train in real situations.

The design of this program focuses on Problem-Based Learning, in which the professional will have to try to solve the different professional practice situations that will arise throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.

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Objectives

The purpose of this Professional Master's Degree is to ensure that the graduate obtains an exhaustive update of their knowledge of Quality and Patient Safety during 12 months. An update that will allow students to be aware of the most recent processes used in care management, the approach to risk situations, the principles of continuous improvement implemented or the incorporation of bioethical principles in clinical care. A goal that will be much easier to achieve thanks to the case studies and the numerous didactic materials that make up this program.

Get an effective update on the evaluation of current health technologies and future perspectives"

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 professionals
- Promote research, innovation and training in patient safety
- Analyze the management of adverse events and improvement plans to avoid them
- Deepen 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. Health Care Quality Management Systems in Health Care Institutions

- Analyze the different models and systems of quality management
- Update specialized knowledge on the management by care processes
- Propose techniques and tools for quality improvement
- Develop the tools to carry out a continuous quality improvement cycle
- Determine the different models of quality certification in health care institutions
- Establish keys to excellence in health care institutions
- Identify the essential aspects for the development of effective leadership in health care professional teams

Module 2. Clinical Risk Management

- Provide a comprehensive view of all the elements that can affect patient safety
- Delve into the different phases that make up clinical risk management
- Establish the actions aimed at preventing the occurrence of adverse events by having the necessary knowledge to minimize them
- Identify prevention and control measures to reduce health care-associated infections
- Propose actions aimed at the participation of users in patient safety
- Develop corrective measures aimed at minimizing clinical risk
- Analyze the concept of satisfaction and perceived quality. Identify the instruments to know the users' opinion

Module 3. Quality of Care and Ethics in Health Care Institutions

- Develop the four principles of bioethics
- Update knowledge on the application of the deliberative method to clinical decisions
- Examine the application of bioethics in end-of-life health care decisions
- Apply ethics in medical research
- Deepen the key points of respect for the patient
- Analyze ethical actions in conflicting situations
- Value the figure of palliative care
- Establish the importance of ethical values in organ donation

Module 4. Health Technology Assessment

- Evaluate health technologies at the international level. Current Situation and Future Prospects
- Evaluate health technologies, their impact and associated costs
- Deepen the role of the Electronic Health Record in Patient Safety and Quality of Care
- Incorporate Big Data and Artificial Intelligence
- Deepen the use of the electronic health record for patient safety and natural language Processing to extract knowledge for patient safety

Module 5. 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 6. Errors in Health Care and Adverse Events

- Provide a rationale for the different models and systems of adverse event management
- Update knowledge about patient safety
- Propose techniques and tools for the improvement of patient safety
- Develop the tools to carry out a safety syllabus
- Analyze the different models of clinical practice guidelines and the evaluation of adherence to them
- Delve into the keys to patient safety in the health care environment

Module 7. 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 8. 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 health care professionals in the strategies for the improvement of surgical patient safety
- Establish different safety controls that can be carried out in any operating room

Module 9. 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 the child
- 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

Module 10. Humanization of Health care

- Promoting humanization in health care
- Analyze the fundamental axes for humanized care: the patient and their family, the health care personnel and the organizational structure
- Inquire into the humanization of health care for particularly vulnerable patients
- Update knowledge for the elaboration of a Humanization Syllabus
- Examine the value-based management model

You will be updated on the different models of continuous quality improvement applied in health care organizations"

03

Skills

TECH provides medical professionals with content with a theoretical-practical perspective that enhances the capabilities and skills for the design and implementation of patient safety syllabus. Additionally, with this program, the graduate will enhance their communication skills in crisis situations with both patients and other professionals and may be aware of the most effective strategies for the implementation of new technologies for Quality and Patient Safety.

Incorporate into your daily practice the most current techniques to establish adequate communication with both patients and professionals in crisis situations"

General Skills

- Develop humanization strategies that incorporate what is really valuable for the patient, ensure the dignity of people and their rights, and the care of their professionals
- Propose preventive actions to reduce the rate of adverse events directly related to health care
- Involve patients in their active role in their safety
- Develop the structure and foundations of the safety culture in health care organizations
- Implement health care technologies and their impact on patient safety
- Apply the basic principles of Bioethics in daily health care activity to improve the quality of care

With this academic option, you will increase your skills in risk management in health care institutions"

Specific Skills

- Generate a culture of patient safety through the learning of safe clinical practices
- Identify the main benefits of risk management through more effective strategic planning
- Establish quality of care methodologies
- Analyze the management by care processes
- Design and implement strategies for quality improvement in health care institutions
- Enhance the effective management of people to improve quality
- Implement models for evaluating the quality of care and management within a hospital
- Design a syllabus for continuous improvement in clinical and hospital centers
- Incorporate the latest advances in patient incident reporting systems

04

Course Management

For this university program, TECH has selected an excellent team of professionals specialized in Quality and Patient Safety, Pediatrics and the use of new technologies in the health care field. In this way, the graduate will obtain the most advanced and current information from the hand of prestigious active specialists, who incorporate in the syllabus of this program the most outstanding advances in the procedures of continuous improvement and improvement of clinical methodologies for the benefit of the patient.

Eminent experts in the field of Pediatrics, Quality and Patient Safety 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 Jaén Medical-Surgical Hospital
- Responsible for Pediatric Surgery Training at the Reina Sofia University 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
- Graduate in Medicine and Surgery from the University of Granada
- Postgraduate Certificate in Communication with the Pediatric Patient
- Postgraduate Diploma in Clinical Management
- University Diploma of Specialization in Quality and Patient Safety in Health Care Institutions
- University Diploma of Specialization in Bioethics
- Members: European Society of Pediatric Endoscopic Surgery, Spanish Society of Pediatric Surgery, Editorial Committee of the Spanish Society of Pediatric Surgery Journal, Scientific Evaluation Committee of the Spanish Society of Pediatric Surgery

Professors

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 by the Faculty of Nursing and Podiatry of the University of Valencia
- Master's Degree in Specialized Nursing Care in Emergency, Critical Care and Post-Anesthesia Areas
- Graduate in Nursing from the University 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 by the Polytechnic University of Madrid
- Prevention of Occupational Risks Specialty Occupational Safety. Esculapio Foundation

Ms. Continente Bermudo, Cristina Isabel

- Pediatric Nurse at the Reina Sofia University Hospital in Cordoba
- Graduate in Nursing from 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

Dr. Serrano Ortiz, Álvaro

- Specialist in Preventive Medicine and Public Health at the Reina Sofía University Hospital
- Researcher at the Maimonides Institute of Biomedical Research of Cordoba, in the Associate in the Group of Preventive Medicine and Public Health (GA13)
- Teaching collaborator of Preventative Medicine and Public Health Service
- of the Faculty of Medicine of Cordoba (UCO)
- Graduate in Medicine from the University of Córdoba
- Master's in Public Health and Health Management by the Andalusian School of Public Health

Dr. Salvatierra Velázquez, Ángel

- Head of the Thoracic Surgery and Lung Transplant Service at the Reina Sofia University Hospital
- Head of the Lung Transplant Group at the Reina Sofia Hospital of Córdoba
- Doctor in Medicine and Surgery by the Uinversity of Cadiz
- Master's Degree in Clinical Unit Management
- Member of: the Andalusian Association of Surgeons, Board of Pharmacy of the Reina Sofia Hospital of Cordoba, Editorial Board of the Association of Pulmonologists of Southern Spain. NEUMOSUR, Editorial Board of the Journal of Respiratory Pathology, Institutional Relations Committee of the Spanish Society of Pneumology and Thoracic Surgery (SEPAR), Royal Academy of Medicine and Surgery of Seville

Ms. Palop del Río, Ángela

- Responsible for the Certification of Health and Social Services Centers and Units at the Health Quality Agency of Andalusia
- Responsible for the management of the evaluation of Centers, Services and Reference Units (CSUR) of the National Health System
- Responsible for the implementation of the ACSA certification model in Portugal and Brazil
- Responsible for the European Commission Project for the evaluation of the first 24 European Reference Networks for Rare Diseases
- Professor in the Improvement Course for the Evaluation ofAction Plans and Establishment of Performance Indicators Andalusian Institute of Public Administration
- Teacher of the Diploma of Specialization in Quality and Patient Safety in Health Care Institutions . Andalusian School of Public Health
- Graduate in Pharmacy from the University of Granada
- Official Postgraduate Master's Degree in Quality Management in Health Services from the University of Murcia
- Specialist Certificate: Fundamentals of the External Evaluation Survey by the International Society for Quality in Health Care (ISQua)
- Specialist in Microbiology and Parasitology

Dr. Barragán Vives, Vicente

- Specialist in Preventive Medicine and Public Health from the Reina Sofia University Hospital
- Graduate of Medicine from the University of Seville
- Expert in Data Management and Quality and Patient Safety

D. Raya Serrano, Antonio Luis

- Director of Nursing at the San Juan de Dios de Córdoba Hospital
- Master's Degree in Integrated Health Services Management from ESADE Business School
- Expert in Nursing Services Management by UNED
- University Diploma in Nursing from the San Juan de Dios University School of Nursing of the Comillas Pontifical University
- Senior Technician in Occupational Risks specializing in Safety
- Senior Technician in Occupational Risks specializing in Hygiene

Ms. Ruiz Palomino, Aurora

- Pediatric Nurse Specialist
- Associate Professor of Nursing Degree at the University of Cordoba
- Official Master's Degree in Social and Cultural Gerontology from the University of Jaén
- Master's Degree in Pharmacology and Pharmacotherapy for Nursing from the University of Valencia
- Specialization Diploma in Care Management and Advanced Nursing Practices from the University of Granada
- University Diploma in Nursing from the University of Granada

Ms. Jaén Toro, Mercedes

- Nurse Case Manager at the Reina Sofia University Hospital in Cordoba
- Nurse in the Andalusian Health Service of the Andalusian Regional Government
- Associate Professor of Health Sciences at the University of Cordoba in the Faculty of Medicine and Nursing
- Graduate in Nursing from the University of Cordoba
- Member of the Health Care Ethics Committee of Córdoba until June 22, 2023

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

D. López Guijo, Carlos Javier

- Coordinator of Operating Room, sterilization and Major Outpatient Surgery at San Juan de Dios Hospital of Cordoba
- Postgraduate Diploma in Surgical Instrumentation in Orthopedic Surgery and Traumatology Nursing from Camilo José Cela University
- Postgraduate Diploma in the Management of Polytraumatized Patients for Nursing frrom Antonio de Nebrija University
- Graduate in Nursing from the University of Cordoba
- Superior Degree in Diagnostic Imaging and Nuclear Medicine

Dr. González Morales, Laura

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

Dr. Moreno Campoy, Elvira Eva

- Director of the Strategy for Patient Safety in the Andalusian Public Health System
- Professor in the Quality and Patient Safety Expert of the University of Granada at the Andalusian School of Public Health
- Professor in Clinical Safety at the University Nursing Center of Ronda of the University of Malaga
- Principal investigator and collaborator in different research projects of the Health Research Fund (HIF)and the Ministry of Health of Andalusia
- Coordinator of the Patient Safety Commission of the Spanish Society of Primary Care Pharmacists
- PhD in Health Sciences from the University of Malaga
- Graduate in Pharmacy from the University of Granada
- Master's Degree in Public Health and Health Management from the University of Granada
- Expert in Quality in Health Institutions from the University of Granada
- Postgraduate in Biomedical Publication Preparation from the Autonomous University of Barcelona
- Postgraduate degree in Pharmaceutical Management in Primary Care from the University of Barcelona
- Member of: Member of the Board of Directors of the Sociedad Andalusian Society of Health care Quality, SADECA Journal Editorial Board

Mr. Pajares Conde, Diego

- Head of the Professional Attention Unit at the Reina Sofia University Hospital
- Economic, Administrative and General Services Director of the Southern Health Management Area of Cordoba of the Andalusian Health Service
- Deputy Director General of Personnel of the Andalusian Health Service of the Andalusian Regional Government
- Deputy Director of Planning and Programs North Cordoba Health Management Area
- Master's Degree in Public Health and Health Management from the Andalusian School of Public Health of the University of Granada
- Master's Degree in Health Economics and Management of Health Organizations from the Andalusian School of Public Health from the University of Granada
- Degree in Psychology from the University of Granada
- Postgraduate Certificate in Nursing from the University of Cadiz
- Diploma of Advanced Studies (DEA) in the Program: "Planning, Management and Economic-Social Environment of the Company", in the Faculty of Economic and Business Sciences of the University of Cordoba

Dr. Morán Fernández, Eduardo

- Specialist in Critical Care and Emergency Physician at the Infanta Margarita de CabraHospital
- Collaborating Professor of the subject "Professional Ethics" in the Faculty of Nursing at the University of Cordoba
- Instructor of basic, intermediate and advanced life support according to the National CPR Plan
- Master's Degree in Bioethics from the Complutense University of Madrid
- Degree in Medicine and Surgery from the Complutense University of Madrid

Ms. Corpas Nogales, María Elena

- Coordinator of the Andalusian Patient Safety Incident Notification and Learning System, notificASP
- Professor at the Andalusian School of Public Health
- Postgraduate Diploma in Quality and Patient Safety in Health Institutions by the Andalusian School of Public Health and the University of Granada
- Postgraduate Diploma in Health Sciences Research: Quantitative and Qualitative Methodologies by the Andalusian School of Public Health and the University of Granada
- Diploma of Advanced Studies in Statistics and Operations Research from the University of Granada
- Degree in Mathematical Sciences from the University of Granada

Dr. García Martínez, Elena

- Medical Subdirector at the Reina Sofia University Hospital
- Collaborating Professor in the Master's Degree 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

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
- Doctor 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 by the National University of Colombia

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 Córdoba
- 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

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

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 Cordoba
- 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 Cordoba
- 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

Ms. Yuste Bustos, Francisca

- Nursing Supervisor of the Digestive, Resuscitation and ICU Service at the San Juan de Dios Hospital in Cordoba
- Graduate in Nursing from the University of Jaén
- Expert in Prevention of Occupational Risks
- Expert in intravenous therapy and vascular accesses
- Advanced Life Support Certification
- Fundamental Certification *Critical Care Support Certificate of Successful Completion*presented by the *Society of Critical Care Medicine*
- Expert panel member and author of the guideline "Clinical Practice Guideline on the use of Peripherally Inserted Central Venous Catheters (PICC) in the Critically Ill Patient"
- Positive Manager Award by the Optimist Hospital Foundation in 2019 and 2020
- Member of: The Spanish Society of Intensive Nursing and Coronary Units (SEEIUC)

Mr. Cordero Ramos, Jaime

- Specialist in Hospital Pharmacy at Virgen MacarenaUniversity 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. Vallejo Cantero, Francisco Javier

- Head of the Anesthesiology and Resuscitation Department at the Reina Sofia University Hospital of Córdoba
- 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 to the Transplant program of the Reina Sofia Hospital
- Preferred care work in the maternity and infant surgical block of the Reina Sofía 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. 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 Rey Juan CarlosUniversity
- 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

Mr. Salmoral Almagro, Francisco

- 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. 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 Chief of Serology, Nucleic Acid Amplification Technology, Platelet Immunology
- Specialty in Hematology and Hemotherapy at Reina SofiaUniversity Hospital of Cordoba
- Assistant Physician of Hematology and Hemotherapy at the Reina Sofía CórdobaUniversity Hospital
- Graduate in Medicine and Surgery from the Complutense University of Madrid

Dr. Martínez Noguera, Rafael

- Head of the Department of Preventive Medicine and Public Health of the Jaén HospitalComplex
- Specialist in Preventive Medicine and Public Health
- Researcher in projects related to adverse events in hospitals and Patient Safety
- Degree in Medicine

Dr. Benítez Muñoz, Helga María

- FEA in the Pediatric Palliative Care Unit of the Pediatrics Service 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
- Official Master's Degree in Pediatric Palliative Care from the International University of La Rioja
- Degree in Medicine from the University of Seville

Mr. Toro Santiago, Joaquín

- Head of the Integrated Training Unit at the Reina SofiaUniversity Hospital of 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
- Professor of the Masters Degree 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. 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 DistancingMeasures
- Associate Professor in the Department of Medical and Surgical Sciences of the faculty of Medicine and Nursing from the University of Cordoba
- Doctor in Medicine and Surgery at the University of Cordoba
- Specialist in Preventive Medicine and Public Health at the Reina SofíaHospital of Córdoba
- Specialist in Family and Community Medicine at the Virgen Macarena Hospital of Seville and Pino Montano Health Center of Seville
- Master's Degree in Public Health and Health Administration by the Andalusian School of Public Health of Granada
- Postgraduate Certificate in quality of health institutions by the Andalusian School of Public Health of Granada
- Member of: President of the National Commission of the Specialty of Preventive Medicine and Public Health, Vice-President of the Spanish Society of Preventive Medicine and Public Health and Health Management (SEMPSPGS), Vice-president of the Andalusian Society of Preventive Medicine, Public Health and Health Management (SAMPSPGS), Spokesperson of the Regional Ministry of Health and Families of the Board of Andalusia in the Coronavirus expert group, 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
- Collaborating Professor in the Department of Preventive Medicine and Public Health of the University of Cordoba
- Postgraduate Diploma in BIG Data National University of Distance Education
- Graduate in Medicine from the University of Córdoba

Dr. Romero Martínez, Jesús

- Head of Section in Pediatric Anesthesiology at the Reina Sofia Hospital in Cordoba
- Coordinator of the surgical block of the Maternal-Infant Hospital
- Clinical tutor attached to the department of medical-surgical specialties of the University of Cordoba
- Tutor of Training Residents in Anesthesiology and Resuscitation at the Reina Sofia Hospital in Cordoba
- Doctor of Medicine from the University of Cordoba
- Graduate in Medicine and Surgery, University of Cordoba

Mr. Ortegón Gallego, José Alejo

- Nurse Case Manager at the Hospital Comarcal Infanta Margarita de Cabra
- Professor at the University School of Nursing of Osuna
- Teacher of internal training related to care ethics and external training Related to emotional management in caregivers
- Postgraduate Certificate in Nursing from the University of Cadiz
- Specialist in Mental Health by the Complutense University of Madrid
- Training in Bioethics and Anticipated Vital Wills by EASP and the Ministry of Health and CEA

Dr. Delgado Osuna , José Antonio

- Deputy Provincial Director of Information Systems and Technologies in the province of Cordoba in the Andalusian Health Service
- Professor of 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
- Computer Engineer from the University of Granada
- Technical Engineer in Computer Science

Dr. Pérez Martinez, José Fernando

- Director of Assistance HAR Toyo of Torrecardenas University Hospital
- Medical Specialist in General Surgery and Digestive System
- Instructor of the Training Course in Breast Pathology for "Internal Doctors of General and Digestive Surgery and Surgical Specialists" of the Spanish Association of Surgeons
- Collaborating Professor at the Faculty of Medicine of the University of Las Palmas de Gran Canaria
- Graduate in Medicine and Surgery from the University of Granada
- Master's Degree in Hospital Management and Health Services from CEU Cardenal Herrera
- Postgraduate Diploma in Clinical Management by the International Center for Continuing Education of the Manresa Campus of the University of Vic
- Diploma from ESADE in the program Excellence in Hospital Management: Towards Value in Health

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 Certificate in Patient Safety
- Graduate in Medicine and Surgery, University of Cordoba

Dr. Robles Arista, Juan Carlos

- Head of Intensive Care Unit Section at the Reina Sofia University Hospital
- Transplant Coordinator, Reina Sofia University Hospital of Spain
- Doctorate from the Faculty of Medicine at the University of Granada
- Degree in Medicine and Surgery from the Faculty of Medicine of Granada
- Degree from the Faculty of Medicine of the University of Granada

Dr. López Moyano, Juan José

- Preventive Medicine, Public Health and Health Management Physician at the Reina Sofia University Hospital
- Collaborator at the University of Cordoba with the Preventive Medicine and Public Health team at the Reina Sofia University Hospital
- Master's Degree in Public Health and Health Management taught by the Andalusian School of Health Public
- Graduate in Medicine from the University of Cadiz

Ms. Casares Landauro, Laura

- Coordinator of the Early Childhood Care Center of the San Juan de Dios Hospital in Cordoba
- Teacher of Hearing and Language by the Sacred Heart Teacher Training School, a center attached to the University of Cordoba
- Degree in Pedagogy from the University of Granada
- Master's Degree in Business Administration, specializing in Health care Management from IMF Business School of the University of Nebrija
- Master's Degree in Early Childhood Care from the University of Granada
- Master's Degree in Research Designs and Applications in Psychology and Health from the University of Granada

Ms. Pabón González, Laura

- Nurse of Events and Preventive Services in Basic and Advanced Life Support ambulances in Ayón Ambulances
- Specialist in Pediatric Nursing at the Reina Sofia University Hospital
- Postgraduate Diploma in Mental Health and Psychiatry Nursing at UNED
- Postgraduate Diploma in Nursing in Prescription, Use and Management of Pharmaceuticals by 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

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 Diploma 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 Diploma in Mechanical Ventilation and Airway Care for Nurses by the Antonio de Nebrija University
- Postgraduate Diploma in Polytraumatized and Monitoring in ICU for Nurses by the Antonio de Nebrija University
- Graduate in Nursing from the University of Cordoba

Dr. Gil Campo, María Mercedes

- Coordinator of the Metabolism and Research Unit of the Reina Sofia University Hospital in Cordoba
- Pediatric Specialist
- Professor of Pediatrics at the Faculty of Medicine from the University of Cordoba
- Doctor in Medicine from the University of Córdoba
- Graduate in Medicine and Surgery from the University of Cordoba

Dr. Aguilar Romero, María del Carmen

- Specialist in Preventive Medicine and Public Health in the Reina Sofía University Hospital of Córdoba
- Specialist in Psychiatry by the University Hospital of Fuenlabrada
- Professor in the course "International protection and human rights in the social and health context" by the Andalusian School of Public Health
- Teaching collaborator of the Preventive Medicine and Public Health Service of the Faculty of Medicine of Cordoba (UCO)
- Associate Professor of Psychiatry at the Alfonso X El Sabio University
- Honorary Collaborator of the Department of Medicine and Surgery teaching theory classes in Psychiatry at the Rey Juan Carlos University (URJC)
- Master's Degree in Public Health and Health Management by EASP
- University Diploma in Mental Health in Situations of Political Violence and Catastrophes by the Complutense University of Madrid
- Degree in Medicine from the Autonomous University Madrid

Dr. Ordóñez Díaz, María Dolores

- Pediatrician in the Tracking Unit at the Reina Sofia University Hospital in Cordoba
- Member of the Quality Commission of the University Hospital of Cordoba
- Training activities related to Patient Safety for Health Care Professionals
- PhD in Biomedicine from the University of Cordoba
- Graduate in Medicine and Surgery from the University of Cordoba

Dr. Pérez Adrián, María del Carmen

- Advanced Palliative Care Resource Physician at the Reina Sofia University Hospital in Cordoba
- Specialist in Family and Community Medicine
- Clinical tutor of the Department of Medicine of the University of Cordoba in the Medicine Rotation
- Teacher of the Master's Degree in Emergency Care of the Sick at the University of Cordoba
- Teaching Collaborator of the Postgraduate Training Program in the Family and Community Medicine Teaching Unit of Cordoba
- Master's Degree in Palliative Care from the University of Valladolid
- Master's Degree in Bioethics by the University of Valencia
- Degree in Medicine and Surgery from the University of Cordoba

Ms. Castellano Zurera, María del Mar

- Researcher specialized in health
- Researcher of the project "Ethical commitment of the service providers
- of the Social Services and Dependency Agency of Andalusia"
- Specialist in Hospital Pharmacy
- Master's Degree in Quality Management in Health Services from the University of Murcia
- PhD in Biochemistry, Toxicology, Legal Medicine and Food Sciences
- Degree in Pharmacy from the University of Seville
- Member of: Vice-Chairwoman of the Health Committee of the Spanish Quality Association

Ms. Castro Ruz, María José

- Deputy Director of Nursing at Reina Sofía de Córdoba University Hospital
- Coordinator of Reference Units of the Ministry of Health and Social Policy of the Reina Sofia University Hospital
- Coordinator of the ERAS program for Colorectal and Hepatobiliary Surgery at the Reina Sofia University Hospital
- Coordinator of the GERM program for Bariatric and Gynecologic Surgery at the Reina Sofia University Hospital
- Coordinator of the ASCO-QOPI certification program of the Medical Oncology unit of the Reina Sofía University Hospital
- Member of the Standard Operating Procedures review group of the Reina Sofia University Hospital
- Professor at the Andalusian School of Public Health
- Professor in training related to continuous quality improvement at the Reina Sofia University Hospital
- University Diploma in Nursing at the University of Cordoba
- Postgraduate Diploma in Health Services Management at the University of Granada
- Postgraduate Diploma in Quality and Patient Safet from the University of Granada
- Specialization in certification model and continuous quality improvement of the American Society of Medical Oncology: ASCO
- Intermediate Technician in Occupational Risk Prevention
- Certified evaluator by ISQua (International Society for Quality in Health Care)
- Member of: President of the Gender Violence Commission of the Hospital Universitario Reina Sofía, Secretary of the Commission for Equal Opportunities between Men and Women of the Reina Sofia University Hospital, Member for Spain in the elaboration of the ISO/CD 22336 standard : Security and resilience-Organizational resilience-Guidelines for resilence policy and strategy, Secretary of the Andalusian Society of Health Care Quality SADECA, Member of working groups for the revision of the Criteria for the Designation of Reference Units of the Ministry of Health (CSUR)

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
- Faculty Specialist in Intensive Care Medicine at Reina Sofia UniversityHospital of Cordoba
- 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)
- Masters 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

Ms. Sánchez Reyes, Marta

- Nurse in Pediatric Palliative Care at Reina Sofía de CórdobaUniversity Hospital
- Pediatric Nurse Specialist
- Master's Degree in specialized care in Pediatrics from the University of Valencia
- Master's Degree in Specific Health Center Management from the University of Valencia
- Specialist in Emergency Nursing and Outpatient Emergencies from the European University of Madrid

Ms. Cristino Espinar, María Soledad

- Supervision Unit of the Pharmacy Unit at the Reina Sofia University Hospital
- Supervision of the Pharmacy Unit of the Reina Sofia University Hospital
- Professor in the Patient Safety Course of the EASP
- Diploma in Nursing from the University of Granada
- Specialization Diploma in Bioethics from the Andalusian School of Public Health
- ISO 14155:2011 - GPC Certificate by the World Medical Device Organization
- Expert in Health Management by the Andalusian School of Public Health
- Expert in Quality and Patient Safety by the Andalusian School of Public Health

Ms. Román Fuentes, Mercedes

- Administrative Technician in the Quality Unit of the Virgen Macarena University Hospital
- Degree in Pharmacy from the University of Seville
- Expert in Sanitary Orthopedics, University of Seville
- Expert in Management and Operation of Water Treatment Plants from the University of Granada
- Specialization Diploma in Quality and Safety in Health Institutions. University of Granada

Ms. Casasola Luna, Natalia Araceli

- Technician of the Quality Unit of the Virgen Macarena University Hospital
- Evaluator and Project Manager of the AndalusianHealth Quality Agency (ACSA)
- Evaluator of Continuing Education Activities for the Health Quality Agency of Andalusia (ACSA)
- Evaluator of ERN (European Reference Networks) for the European Union, through ACSA
- Lead auditor for the UNE-EN ISO/IEC 17025 and UNE-EN ISO 15189 standards (clinical laboratories) for the National Accreditation Entity (ENAC)
- Specialist in Clinical Analysis at La Princesa University Hospital
- Graduate in Chemistry from the University of Extremadura
- Certificate of Pedagogical Aptitude (CAP) from the University of Extremadura

Dr. Armengol de la Hoz, Miguel Ángel

- Telecommunications Specialist
- PhD Cum Laude for his thesis on the Promotion, Integration, Management and Processing of Open Big Data Repositories of Hospitalized Critical Patients, carried out at the Department of Biomedical Engineering of the Polytechnic University of Madrid
- Master's in Biomedical Engineering, Speciality in Biomedical Imaging and Biomedical Devices, Polytechnic University of Madrid
- Telecommunications Engineer, Alfonso X el Sabio University
- Degree in Telecommunication Engineering, specialty in Image and Sound; Alfonso X el Sabio University

Ms. Trillo López, Paloma

- Technical Advisor at the Regional Ministry of Health and Consumer
- Nurse and Technical Advisor at the General Secretariat of Humanization, Planning, Social and Health Care and Consumption of the Regional Ministry of Health and Consumption
- Nurse specialist in pediatric nursing
- Postgraduate Diploma in Nutrition, Health and Functional Foods by the UNED
- Postgraduate Diploma in Nursing Resources Management by UNED
- Postgraduate Diploma in Cellular Growth and Cancer by the UNED (UNED)
- Graduate in Nursing from the University of Malaga

Dr. Romero de Castilla Gil, Rafael Javier

- Hospital Emergency Physician
- Quality Coordinator of the Hospital de Montilla
- Coordinator and teacher of the health staff of the Alto GuadalquivirHealth Agency
- Doctor in Medicine and Surgery from the University of Cordoba
- Specialist in Family and Community Medicine
- Master's Degree in Quality Management in Health Services from the University of Murcia
- Postgraduate Diploma in Integral Management of Health Services by the UNED
- Postgraduate Diploma in Evaluation and Research of Health Services by the UNED
- Director of Quality Management Systems by AENOR
- Specialist in Health Management by the University of Granada

Dr. Santamaría Olmo, Rafael

- Specialist in Nephrology
- Researcher at the Maimonides Institute of Biomedical Research of Cordoba (IMIBIC)
- Responsible for assistance and management of the Unit of Arterial Hypertension and Vascular Risk in the Nephrology CMU of the Reina Sofia University Hospital of Cordoba
- Associate Professor at the Faculty of Medicine of the University of Cordoba
- Doctor in Medicine and Surgery from the University of Cordoba
- Master's Degree in Hospital Management from the University of Alcalá de Henares
- Master's Degree in Atherothrombotic Disease and diagnosis by non-invasive techniques from the University of Lérida
- Graduate in Medicine and Surgery, University of Cordoba
- Postgraduate Diploma in Fabry Disease by the University of Alcalá de Henares

Ms. Pérez Moreira, Rosalía

- Management Technician in the Central Services of the Andalusian Health Service
- Professor of Clinical Practices of the Physiotherapy degree at the University of Seville
- Professor of Teaching Health at the Andalusian School of Public Health
- Diploma in Physiotherapy from the University of Seville and Degree from the European University of Madrid
- Master's Degree in Public Health and Quality of Life
- Master's Degree in Care for Caregivers of Dependent Persons
- Postgraduate Diploma in Care of the Caregiver
- Postgraduate Diploma in Care for the Sick and Caregivers
- Expert in Quality in Health Institutions

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. Díaz Romero, Salvador

- Specialist in Preventive Medicine and Public Health
- Collaborating teacher with the Preventive Medicine and Public Health Service of the Reina Sofia University Hospital in teaching at the University of Cordoba
- Graduate in Medicine at the University of Valladolid
- Master's Degree in Public Health and Health Management at the Andalusian School of Public Health

Mr. Montero Yéboles, Raúl

- Pediatric Specialist
- Specialist in Pediatrics at the Salamanca University Hospital
- Subspecialty in PICU
- Professor in the Master's Degree 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)
- Doctor in Pediatrics by the University of Salamanca
- Master's Degree in in International Cooperation from the Complutense University of Madrid
- Specialization Diploma in Bioethics from the University of Granada
- Degree in Medicine from the Complutense University of Madrid

Dr. López Moreira, Sheila

- Specialist in Preventive Medicine and Public Health in the Reina Sofía University Hospital of Córdoba
- Graduate in Medicine from the University of Santiago de Compostela
- Senior Technician in Pathological Anatomy and Cytology

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

Ms. López Luque, Sonia

- Nurse Therapist in San Juan de Dios Hospital of Cordoba
- Labor tutor for Nursing students at the University of Extremadura and European University of Madrid
- Postgraduate Certificate in Nursing from the University of Cordoba
- Specialist Diplom in Nursing Services Management
- Specialist Technician in Radiodiagnosis by the Ramón y Cajal Institute of Córdoba
- Operator of X-Ray Installations for Radiodiagnostic purposes

Ms. Lara Robles, Patricia

- Associate Researcher at the Maimonides Institute of Biomedical Research of Cordoba
- Assistant pharmacist at Morente Pharmacy
- Assistant Pharmacist at Guillermo Sierra Pharmacy and another CB
- Master's Degree in Clinical Analysis at CEMP Master's and Postgraduate Degrees
- Master's Degree in Comprehensive Management and Monitoring of Clinical Trials at IMF Smart Education
- Graduate in Pharmacy from the University of Granada

Ms. Guillén Climent, Silvia

- Clinical Trial 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
- Master's Degree in Clinical Trials at the University of Seville
- Master's Degree in Occupational Risk Prevention by Francisco de Vitoria University
- Master's Degree in Physical Activity and Health by the International University of Andalusia
- Graduate in Physical Activity and Sport Sciences from the University of Extremadura

Mr. Carazo del Río, Jesús

- Nurse in the Service of Preventive Medicine
- 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

Dr. Jiménez Rodríguez, José Manuel

- Doctor in Social Sciences by the University of Granada
- Master's Degree in Social Problems: Direction and Management of Social Programs by the University of Granada
- Master's Degree in Immigration Law from the University of Granada
- Graduate in Social and Cultural Anthropology from the University of Granada
- Diploma in Social Work by the University of Granada

Mr. Jimber, Manuel

- Head of Information Security
- Head of Service of the ICT Security Unit
- External Professor in Risk Analysis and Management and Master's Degree in Cybersecurity
- Interuniversity Master's Degree in Information and Communications Technology Security from the Open University of Catalonia
- Specialist in Quality and Patient Safety in Health Care Institutions
- Diploma in Logical Systems by the University of Cordoba
- Expert in Personal Data Protection by the University of Murcia

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
- Master's Degree in Genetics and Evolution by the University of Granada
- Graduate in Biotechnology from the University of Granada

Ms. Pérez, María Jose

- Social Worker at the Clinical Management Unit of Bujalance
- Nurse at the Jesús Nazareno Nursing Home in Castro del Río
- Social Worker in the Project called "Intervention with Minors from Destructured Families"
- Teacher
- Official University Master's Degree in Occupational Risk Prevention
- Master's Degree in Sexology
- Diploma in Nursing
- Diploma in Social Work
- Expert in Health Promotion in Health, Educational and Social Contexts
- Expert in Gender and Health
- Member of the team of the Citizen Participation Commission of the Córdoba and Guadalquivir Health District

05

Structure and Content

The syllabus of this university program has been prepared by a large team of professionals in the medical field with accumulated experience in the sector. For this reason, the graduate will have at their disposal a complete syllabus that includes the most current information on quality tools, safety, humanization, ethics, assistance and research, as well as a specific module for pediatric patients. All of this is complemented by innovative didactic materials that students can access conveniently, whenever and however they wish.

Thanks to this complete syllabus, you will be able to keep up to date with the procedures involved in the development of a patient safety plan"

Module 1. Health Care Quality Management Systems in Health Care Institutions

1.1. Quality of Care Quality Management Methodology
- 1.1.1. Quality of Care
- 1.1.2. Quality Dimensions
- 1.1.3. Quality Management Methodology

1.2. Quality Management Systems
- 1.2.1. Components of a Quality Management System
- 1.2.2. Quality Costs
- 1.2.3. Reference Models in Quality and Excellence
- 1.2.4. Quality Management in Health Care Institutions

1.3. Quality Control. Excellence as a Quality Model
- 1.3.1. Quality Control. The Audit
- 1.3.2. Evaluation Cycle. Quality Components
- 1.3.3. Continuous Quality Improvement
- 1.3.4. Excellence as a Quality Model
  - 1.3.4.1. The Principle of Excellence

1.4. Quality Assessment and Improvement Method
- 1.4.1. Quality Components
- 1.4.2. Evolution of Quality Management Systems
  - 1.4.2.1. Quality Control
  - 1.4.2.2. Quality Assurance
  - 1.4.2.3. Total Quality (Excellence) and Continuous Improvement

1.5. Processes for the Improvement of Health Care
- 1.5.1. Process Management
- 1.5.2. Design of Care Processes
- 1.5.3. Quality Standards
  - 1.5.3.1. Evaluation of Care Processes

1.6. Strategies for the Improvement of Effectiveness and Application of Evidence in Clinical Practice
- 1.6.1. Clinical Practice Guidelines. Evidence-Based Tools
- 1.6.2. Good Clinical Practice: Standards, Monitoring
- 1.6.3. Assessment of Adherence to Clinical Practice

1.7. Planning a Continuous Improvement Syllabus
- 1.7.1. The PDCA Cycle
- 1.7.2. Planning, Implementation
- 1.7.3. Checking and Acting

1.8. External Evaluation and Accreditation Models
- 1.8.1. External Evaluation in Quality Management
- 1.8.2. Accreditation Models
- 1.8.3. Accreditation in the Health Care Field

1.9. Leadership and People Management for Quality Improvement
- 1.9.1. Leadership and Talent Management in Health care Organizations
- 1.9.2. Principles of Motivation in Professionals in Health Care Organizations
- 1.9.3. Effective People Management Tools for Quality Improvement

1.10. Assessment of the Quality of Care and Management within the Hospital
- 1.10.1. Quality Management within the Hospital Environment
- 1.10.2. Structure, Process and Results in the Evaluation of Quality Management IN Hospitals
- 1.10.3. Models and Standards of Excellence in Quality Management in the Hospital Environment

Module 2. Clinical Risk Management

2.1. Incident Reporting Systems
- 2.1.1. Patient Safety. Safety Culture
- 2.1.2. Incident Reporting Systems
  - 2.1.2.1. Adverse Event. Sentinel Event
- 2.1.3. Safe Clinical Practices in the Hospitalized Patient
  - 2.1.3.1. Correct Identification of the Patient

2.2. Infection Control. Health Care-associated Infections (HCAI) as an Adverse Event
- 2.2.1. Epidemiological Situation of HCAI
- 2.2.2. IRAS Classification
- 2.2.3. Multidrug-resistant Microorganisms and their Relationship with HCAIs

2.3. Safety Planning for the Critically Ill Patient
- 2.3.1. Risk Factors for Adverse Events in the ICU
- 2.3.2. Action in Adverse Events in Critically Ill Patients
- 2.3.3. Corrective Measures. Safety Culture

2.4. Patient Safety in Health Care Centers
- 2.4.1. Patient Safety Problems in Social and Health Care Centers
- 2.4.2. Environmental Biosafety in Socio-Health Care Centers
- 2.4.3. Improving Patient Safety in Social and Health Care Centers

2.5. Patient Safety in Primary Care
- 2.5.1. Adverse Effects on Patient Discharge
- 2.5.2. Medication Reconciliation at Discharge
- 2.5.3. Check-list in Minor Ambulatory Surgery

2.6. Clinical Safety in Mental Health
- 2.6.1. Safety Incidents in Mental Health
- 2.6.2. Safe Clinical Practice
  - 2.6.2.1. Pharmaceuticals, Outpatient and Inpatient Care
- 2.6.3. User Participation in Patient Safety

2.7. Health Care-associated Infections. Universal Measures in the Prevention of Infection
- 2.7.1. Standard Precautions
- 2.7.2. Specific Precautions Based on Transmission
- 2.7.3. Significance of Hand Hygiene in the Hospital Environment

2.8. Primary Prevention of Infections. Vaccines and Prophylaxis
- 2.8.1. Vaccination of Healthy Adults
- 2.8.2. Vaccination of Risk Groups
- 2.8.3. Vaccination and Post-exposure Prophylaxis in Health Care Personnel

2.9. Clinical Risk Management during the COVID Pandemic
- 2.9.1. Legal Framework for Pandemic International Approach
  - 2.9.1.1. The International Health Regulations Emergency Committee (IHR 2005)
  - 2.9.1.2. Public Emergency of International Importance (PHEII)
- 2.9.2. Training and Information for Patients and Professionals
- 2.9.3. Circuits and Personal Protective Equipment

2.10. Evaluation of Health Satisfaction: A Challenge to Quality
- 2.10.1. The Patient Experience
- 2.10.2. Measuring the Experience
- 2.10.3. Implementation and Benefits

Module 3. Quality of Care and Ethics

3.1. Ethics and Bioethics. Principles
- 3.1.1. Principles of Bioethics
- 3.1.2. Fundamentals and Methodology in Bioethics
- 3.1.3. Deliberative Method

3.2. Ethics of Health Care Organizations
- 3.2.1. Main Lines of the Ethics of Health Care Organizations
- 3.2.2. Bioethics Committees
- 3.2.3. Figure of the Bioethics Consultant

3.3. Confidentiality and Privacy
- 3.3.1. Right to Confidentiality of Information and Health Data
- 3.3.2. Right to Respect your Physical Privacy and to be Treated with Dignity
- 3.3.3. Patient's Rights over Their Medical Records
- 3.3.4. Conflict of Interest

3.4. Ethics of Clinical Decisions
- 3.4.1. Informed Consent
- 3.4.2. Informed Consent by Proxy
- 3.4.3. Capability and Competence

3.5. Ethics of Health Care Decisions at the Beginning of Life
- 3.5.1. Preimplantation Genetic Diagnosis
- 3.5.2. Ethical Principles in Abortion
- 3.5.3. Limitation of the Therapeutic Effort in Neonatology

3.6. Ethics of Health Care Decisions at the End of Life
- 3.6.1. Death
- 3.6.2. End-of-life Decisions. The Ethical Principle of Autonomy
- 3.6.3. Advance Planning of Decisions
- 3.6.4. Living Wills as a Support Document in End-of-life Decisions

3.7. Adequacy of the Therapeutic Effort and Refusal of Treatment
- 3.7.1. Ethical Decision Making at the End of Life
- 3.7.2. Adequacy of Life-sustaining Therapies
- 3.7.3. Refusal of Treatment
- 3.7.4. Decision Making in the Minor Patient

3.8. Ethics and Research
- 3.8.1. Ethics and Research Relevant Documents
- 3.8.2. Ethical Evaluation of Health Research
- 3.8.3. Functioning of Research Ethics Committees

3.9. Value of Palliative Care
- 3.9.1. Palliative Care
- 3.9.2. Goals of Palliative Care
- 3.9.3. Aims of Palliative Medicine

3.10. Ethics and Transplantation
- 3.10.1. Ethics in the Process of Organ Donation and Transplantation
- 3.10.2. Ethical Considerations in Living-donor Transplantation
- 3.10.3. Transplantation in Controlled Asystole. Ethical Analysis

Module 4. Health Technology Assessment

4.1. Evaluation of Health Technologies based on Artificial Intelligence. Current Status and Future Perspectives
- 4.1.1. Evaluation of Health Algorithms using a Health Technology Assessment Methodology
- 4.1.2. Democratization of Health Data for Clinical Research
- 4.1.3. International Comparison of the Current Status

4.2. Evaluation of Safety, Efficacy and Clinical Effectiveness GRADE Methodology
- 4.2.1. Posing the Clinical Question
  - 4.2.1.1. Classification of the Events or Outcomes of Interest
- 4.2.2. Identification of the Available Scientific Literature and Evaluation of its Quality
- 4.2.3. Factors Influencing the Quality of the Evidence
  - 4.2.3.1. Synthesis of Evaluation Results
- 4.2.4. Development of the Recommendation: Direction and Strength
  - 4.2.4.1. Risk-benefit Balance, Resources-cost and Other Aspects

4.3. Evaluation of Diagnostic Tests
- 4.3.1. Patients' Opinion on their Safety
- 4.3.2. Areas of Patient Involvement
- 4.3.3. Global Alliance for Patient Safety
  - 4.3.3.1. Patient Associations in Defense of Patient Safety at International Level

4.4. Economic Assessment of Health Technologies
- 4.4.1. Types of Health Care Costs
- 4.4.2. Models in Economic Evaluation
- 4.4.3. Types of Studies in Economic Evaluation

4.5. Good Practices in the Clinical Laboratory
- 4.5.1. Safety in Microbiology and Clinical Analysis
- 4.5.2. Safe Use of Ionizing Radiation
- 4.5.3. Safety in Pathological Anatomy

4.6. Practical Experience in a Health Service
- 4.6.1. Global and Integrated Care of the Hospitalized Patient
- 4.6.2. Treatment of Medical Pathology Based on Scientific Evidence
- 4.6.3. Multidisciplinary Management of the Hospitalized Patient

4.7. Automation of Care Tasks. Efficiency in Routine Work
- 4.7.1. The Automation of Health Care Tasks
- 4.7.2. International Overview of the Organizations or Entities in Charge of Health Technology Assessments
- 4.7.3. Health Technology Assessment and Benefit Evaluation Agencies of the National Health Systems

4.8. Impact of New Technologies on Patient Safety and Quality of Care and their Relationship with Health Outcomes
- 4.8.1. ICTS. Risks or Benefits
- 4.8.2. Error Detection with New Technologies
- 4.8.3. Health Outcomes

4.9. The Electronic Health Record in Patient Safety and Quality of Care
- 4.9.1. Exploitation of the Electronic Medical Record for Patient Safety
- 4.9.2. Use of Machine Learning to Improve Patient Safety
- 4.9.3. Natural Language Processing for Extracting Knowledge in Patient Safety

4.10. Big Data in Health Care and Artificial Intelligence
- 4.10.1. Health Data Applied to Research
- 4.10.2. Artificial Intelligence for Patient Safety
- 4.10.3. Descriptive, Predictive and Prescriptive Analytics

Module 5. Safety of Medicines and Health Care Products. Pharmacy and Hematology

5.1. Safe Use of the Medication: Good Clinical Practice
- 5.1.1. Bioethical Aspects
- 5.1.2. Adverse Events
- 5.1.3. Role of the Administration and the Industry in Error Prevention

5.2. Medication Errors
- 5.2.1. Terminology and Classification of Medication Errors
- 5.2.2. Causes of Measurement Errors
- 5.2.3. Error Detection Methods

5.3. Medication Reconciliation
- 5.3.1. Stages of the Reconciliation Process Admission and Discharge Reconciliation
- 5.3.2. Indicators of the Reconciliation Process
- 5.3.3. Recommendations for Institutions and Organizations

5.4. High Risk Drugs. Strategies for Error Prevention
- 5.4.1. Standardization of Prescribing and Development of Protocols
- 5.4.2. Automated Alert Systems
- 5.4.3. Deprescribing in Polymedicated Patients
- 5.4.4. Intrinsic and Extrinsic Criteria
- 5.4.5. Innovations Applied to the Prevention of Medication Errors

5.5. Pain Prevention
- 5.5.1. Pain as a Health Problem: Epidemiology of Painful Processes
- 5.5.2. Safety in Pain Management
- 5.5.3. Prevention Measures of Painful Processes

5.6. Transfusion Safety
- 5.6.1. Hemovigilance System
- 5.6.2. Optimal Use of Blood
- 5.6.3. Patient Blood Management -(Pbm). Patient Blood Management

5.7. Safety in Biobanks
- 5.7.1. Control Measures in Laboratories
- 5.7.2. Biological Containment Levels
- 5.7.3. Biosafety
- 5.7.4. Transporting Samples

5.8. High Risk Drugs. Strategies for Error Prevention
- 5.8.1. Drugs Requiring Clinical Monitoring
- 5.8.2. Pharmacokinetics
- 5.8.3. Pharmacogenetics to Avoid Adverse Reactions
- 5.8.4. Drugs of Similar Appearance

5.9. Pharmacovigilance System Errors with Medical Devices: Adverse Incidents, Alerts and Notifications
- 5.9.1. Types of Pharmacovigilance
- 5.9.2. Automated Alert Systems
- 5.9.3. Types of Studies Applied to Pharmacovigilance and Pharmacoepidemiology

5.10. Robotic Stems for the Packaging and Distribution of Medicines
- 5.10.1. Unit Dose in Dosage Systems
- 5.10.2. Distribution by Medicine Cabinet, Trolley Systems and Automated Cabinets
- 5.10.3. Repackaging and Manufacturing of Unit Doses. Automated and Conventional Systems

Module 6. Errors in Health Care and Adverse Events

6.1. Error in Health Care Conditioning Factors
- 6.1.1. Error in Health Care Magnitude
- 6.1.2. Security Culture
  - 6.1.2.1. Understanding, Recognizing and Managing Adverse Events
- 6.1.3. Incident Notification and Management

6.2. Identification of Critical Points in an Organization. Care Process
- 6.2.1. Situation Analysis on the Identification of Critical Risk Points
- 6.2.2. Approach and Prevention Strategies
- 6.2.3. Communication of Critical Risk Points Plan

6.3. Risk Management. Incidents and Adverse Events
- 6.3.1. Models, Methods and Tools
- 6.3.2. Notification Systems. Adverse Event Recording
- 6.3.3. Identification of Adverse Events through the Analysis of Clinical Histories
  - 6.3.3.1. Global Trigger Tool

6.4. Proactive Risk Management
- 6.4.1. Risk Prevention. Proactive Risk Management Tools
- 6.4.2. Failure Mode and Effects Analysis (FMEA)
- 6.4.3. Application of the Methodology in a Health Care Process

6.5. Sentinel Event Analysis Methodology
- 6.5.1. Root Cause Analysis
- 6.5.2. ACR Methodology on a Sentinel Event Application
- 6.5.3. Attention to the 1st, 2nd and 3rd Cictim

6.6. Briefing and Debriefing. Safety Rounds
- 6.6.1. Briefing
- 6.6.2. Debriefing
- 6.6.3. Safety Rounds

6.7. Unambiguous Patient Identification and Verification
- 6.7.1. Necessity of Unambiguous Patient Identification
- 6.7.2. Unambiguous Patient Identification Systems
- 6.7.3. Patient Verification Systems

6.8. Safe Patient Transfer
- 6.8.1. Communication between Professionals
- 6.8.2. Tools for Effective Communication
- 6.8.3. Errors in the Transfer between Professionals

6.9. Elaboration of a Patient Safety Program
- 6.9.1. Methodology for the Development of a Safety Program
- 6.9.2. Critical Risk Point Analysis
- 6.9.3. Evaluation of a Safety Program. Indicators

6.10. Implementation of a Patient Safety Program in a Clinical Unit. Monitoring and Good Practices
- 6.10.1. Follow-up of a Patient Safety Program
- 6.10.2. Good Practices in Patient Safety
- 6.10.3. Evaluation and Improvement Proposals for a Patient Safety Program

Module 7. Organizational Safety

7.1. Patient Safety in Organizations
- 7.1.1. Basics of Patient Safety
- 7.1.2. Patient Safety Evolution Over Time
- 7.1.3. International Patient Safety Models

7.2. Patient Safety Structure in Health Care Facilities
- 7.2.1. Patient Safety in the Management Teams
- 7.2.2. Patient Safety Organizational Chart at the Health Care Facilities
- 7.2.3. Involvement of the Professionals in Patient Safety

7.3. Patient Safety Training for Professionals
- 7.3.1. Patient Safety Training for Health Care Professionals
- 7.3.2. Effective Pedagogical Techniques in the Continuing Education of Health Care Professionals
- 7.3.3. ICT Tools to support Continuing Education
- 7.3.4. New Emerging Trends in Continuing Education
  - 7.3.4.1. Clinical Simulation in Virtual Environments
  - 7.3.4.2. Gamification

7.4. Information Security
- 7.4.1. International Legal Framework for Information Security
- 7.4.2. Fundamental Aspects of Health Information Safety
- 7.4.3. Safety Risk Analysis in Health Information Management

7.5. Research and Innovation in Patient Safety
- 7.5.1. Importance of Safety in the Field of Research and Innovation
- 7.5.2. Ethical Considerations in Research
- 7.5.3. Current Status of Patient Safety Research

7.6. Active Involvement of Patients and the Public in Patient Safety
- 7.6.1. Patient and Public Information on the Safety of their Health Care
- 7.6.2. Actions to raise Awareness and Train Patients and the General Population on Risk Prevention in the Health Care System
- 7.6.3. Resources for Promoting the Active Participation of Patients in their Safety

7.7. Environmental Safety in Health Care Centers
- 7.7.1. Environmental Safety in Health Care Facilities
- 7.7.2. Monitoring and Control of Environmental Biosafety
- 7.7.3. Prevention Techniques and Systems

7.8. Occupational Risk Prevention Safe Work Environments
- 7.8.1. Occupational Hazards in the Health Center Worker
- 7.8.2. Prevention Measures to Obtain Safe Working Environments
  - 7.8.2.1. Emergency Planning
- 7.8.3. Occupational Stress, Mobbing and Burnout

7.9. Safety in Sanitary Facilities
- 7.9.1. Differential Characteristics in Health Care Facilities
- 7.9.2. Quality Controls of the Facilities
- 7.9.3. International Standards on the Safety of Health Care Facilities

7.10. Cost-Efficiency Analysis of Patient Safety
- 7.10.1. Need to Quantify the Cost of Adverse Events
- 7.10.2. Costs Related to Medication Errors
- 7.10.3. Costs Related to Nosocomial Infections
- 7.10.4. Costs Related to Errors in the Surgical Patient

Module 8. Patient Safety in the Surgical Block. High Risk Areas

8.1. ERAS Program (Enhanced Recovery After Surgery Program)
- 8.1.1. Vision and Conceptualization of the ERAS Program
- 8.1.2. ERAS Strategies
- 8.1.3. Practical ERAS Application and Results

8.2. Project Zero
- 8.2.1. Background on the Development of Zero Projects
- 8.2.2. Types of Zero Projects
- 8.2.3. Evolution of Infections According to the Results Obtained in Zero Projects

8.3. Environmental Biosafety in Controlled Environment Rooms
- 8.3.1. Environmental Biosafety in Controlled Environments Contextualization and Terminology
- 8.3.2. Classification of Hospital Areas
- 8.3.3. Microbiological Sampling Methods for Environmental Biosafety

8.4. Safe Operating Rooms
- 8.4.1. Intraoperative Discipline
- 8.4.2. Situations Requiring Indication of Mandatory Microbiological Control
- 8.4.3. Operating Room Circuits in Pandemic Situations

8.5. Proper Cleaning and Disinfection
- 8.5.1. Operating Room Cleaning and Disinfection
- 8.5.2. Surgical Unit Spaces. Frequency of Cleaning
- 8.5.3. Cleaning and Disinfection Procedures in the Surgical Area
  - 8.5.3.1. Products and Methods

8.6. Application of New Decontaminant Technologies
- 8.6.1. UV Radiation
- 8.6.2. Hydrogen Peroxide
- 8.6.3. Quarternary Ammoniums
- 8.6.4. Other Decontaminants
  - 8.6.4.1. Vaporized Ozone System, Copper, Silver

8.7. Shelf Life, Preservation and Storage of Sanitary Material
- 8.7.1. Maintenance of Surgical Instruments
- 8.7.2. Transport, Conservation and Storage of Surgical Instruments
- 8.7.3. Quality Control of Surgical Instruments

8.8. Identification. Check List. Laterality Protocol
- 8.8.1. Safety in Surgery
- 8.8.2. Surgical Safety Check List (Check list)
- 8.8.3. Laterality Protocol

8.9. Safe Practices in Diagnostic Tests
- 8.9.1. Diagnostic Validity and Reliability
- 8.9.2. Safe Practices to Reduce Risks
- 8.9.3. Risk Analysis and Errors. Error Investigation

8.10. Safety in the Sensitive Surgical Patient
- 8.10.1. Patients Allergic to Latex
- 8.10.2. Multiple Chemical Sensitivity(MCS)
- 8.10.3. Isolation Measures in the Surgical Block

Module 9. Safety of the Pediatric Patient

9.1. Safety of the Pediatric Patient
- 9.1.1. Safety of the Pediatric Patient
- 9.1.2. Comprehensive Safe Care
- 9.1.3. Risk Management. Learning and Continuous Improvement
- 9.1.4. Active Involvement of the Pediatric Patient and His Family

9.2. Pediatric Patient and Research. Clinical Trials
- 9.2.1. Peculiarities of Research in the Pediatric Patient
- 9.2.2. Ethical Aspects in Pediatric Research
- 9.2.3. Pediatric Patient Safety Research

9.3. Safety in the Hospitalized Pediatric Patient
- 9.3.1. Adverse Events in the Hospitalized Child
- 9.3.2. Safety Strategies in the Hospitalized Pediatric Patient
- 9.3.3. How to Report an Error

9.4. Safety in the Pediatric Surgical Process
- 9.4.1. Preoperative Welcome. Preoperative Safety
- 9.4.2. Safety in the Postoperative Period of the Pediatric Surgical Patient
- 9.4.3. Prevention of Postoperative Infections

9.5. Anesthetic Safety in Pediatrics
- 9.5.1. Pediatric Perioperative Safety
- 9.5.2. Safe Anesthesia in Major Outpatient Surgery
- 9.5.3. Safe Sedation Outside the Operating Room
- 9.5.4. Pediatric Locoregional Anesthesia

9.6. Pain Management in Pediatrics
- 9.6.1. Importance of Pain as a Constant Fifth
- 9.6.2. Assessment of Pain in Pediatrics
- 9.6.3. Procedures to Reduce Pain in the Pediatric Patient

9.7. Palliative Care in Pediatrics
- 9.7.1. Home Hospitalization in the Pediatric Palliative Care Patient
- 9.7.2. Involvement of Family Members and Caregivers in the Safety of the Pediatric Palliative Care
- 9.7.3. Safe Use of Medications in Pediatric Palliative Care

9.8. Safety in Neonatology
- 9.8.1. Differential Aspects of the Neonatal Period
- 9.8.2. Main Safety Risks in the Neonatal Unit
- 9.8.3. Safe Practices in Neonatology

9.9. Safety in Functional and Ambulatory Tests
- 9.9.1. Patient Safety and Risk in the Setting of Assistive Testing
- 9.9.2. Safe Practices for the Prevention of Adverse Events
- 9.9.3. How to Deal with an Error

9.10. Safety in Ucip
- 9.10.1. Critical Patient Safety Indicators
- 9.10.2. Main Causes of the Production of Adverse Events
- 9.10.3. Safety Culture and Action in the Face of Adverse Events

Module 10. Humanization of Health care

10.1. Humanization in Health Care
- 10.1.1. Humanization in Health Care
  - 10.1.1.1. International Regulatory Framework
- 10.1.2. Starting Elements. Steps to Action
- 10.1.3. Humanization Strategic Plans

10.2. Patient and Family Well-Being and Comfort Management
- 10.2.1. Care Culture Centered on the Patient Experience
- 10.2.2. Infrastructure, Resources and Technology
- 10.2.3. Humanizing Care Tools
  - 10.2.3.1. Personalization of Care
  - 10.2.3.2. Intimacy
  - 10.2.3.3. Autonomy
  - 10.2.3.4. Shared Decision Making

10.3. Person-Centered Care Model
- 10.3.1. Systems of Care. Evolution
- 10.3.2. PCA Model
- 10.3.3. Professionals. New Roles and Care Teams
- 10.3.4. Support and Consensus Groups

10.4. Tools to Humanize. Communication Empathy
- 10.4.1. Values to Humanize the Health Care Environment
- 10.4.2. Interpersonal Relationships. Holistic and Integral Care
- 10.4.3. Communication and Empathy
- 10.4.4. Measuring the Degree of Humanization. Control systems

10.5. Humanization of an Intensive Care Unit
- 10.5.1. How to Humanize an Intensive Care Unit
- 10.5.2. Staff Care
- 10.5.3. Patient, Family, Citizenship
- 10.5.4. Humanizing the Architecture of an Intensive Care Unit

10.6. Humanized Care of the Terminally Ill
- 10.6.1. Humanization of Health Care at the End of Life
- 10.6.2. Care at the End of Life, at Home
- 10.6.3. Palliative Care in the Hospital. How to Humanize this Care

10.7. Management of Professional Welfare
- 10.7.1. Well-Being of Professionals
- 10.7.1.1. Factors that Alter the Well-Being of Professionals
- 10.7.1.2. Disorders Present in the Alteration of Professional Well-Being
- 10.7.1.3. Leader and Group Relationship in the Work Environment
- 10.7.1.4. Techniques to Improve the Well-Being of Professionals
- 10.7.1.5. Tools for Measuring Professional Well-Being

10.8. Values-Based Management Model
- 10.8.1. Values-Based Management
- 10.8.2. Phases of the Values-based Management Implementation Process
  - 10.8.2.1. Phase 1. Definition of Values
  - 10.8.2.2. Phase II. Communication
  - 10.8.2.3. Phase III. Alignment
- 10.8.3. Benefits of Management by Values
- 10.8.4. The Pillars of Value-Based Management in Health Care Institutions

10.9. Humanization in the Care of Special Patients
- 10.9.1. International Normative Framework
- 10.9.2. Recognition of the Principle of Personal Autonomy
- 10.9.3. Strategic Lines and Humanizing Actions
  - 10.9.3.1. Humanized Spaces
  - 10.9.3.2. Humanizing Actions in Consultations and Emergencies
  - 10.9.3.3. Humanizing Actions in Hospital Admissions
  - 10.9.3.4. Humanizing actions for Companions and Family Members
- 10.9.4. Humanization syllabus for Professionals: Care for the Professional
- 10.9.5. Models of Humanization Syllabus and Guidelines

10.10. Impact of Covid-19 on the Humanization of Health Care
- 10.10.1. Impact and Transformation in the Organizational and Care Structure of the Health Care System
- 10.10.2. Impact of Covid-19 on Communication
- 10.10.3. More Humanized Infrastructure. Main Strategic Lines of Action

A program designed to provide you with the most complete update on Quality and Patient Safety procedures in health Care centers"

06

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:

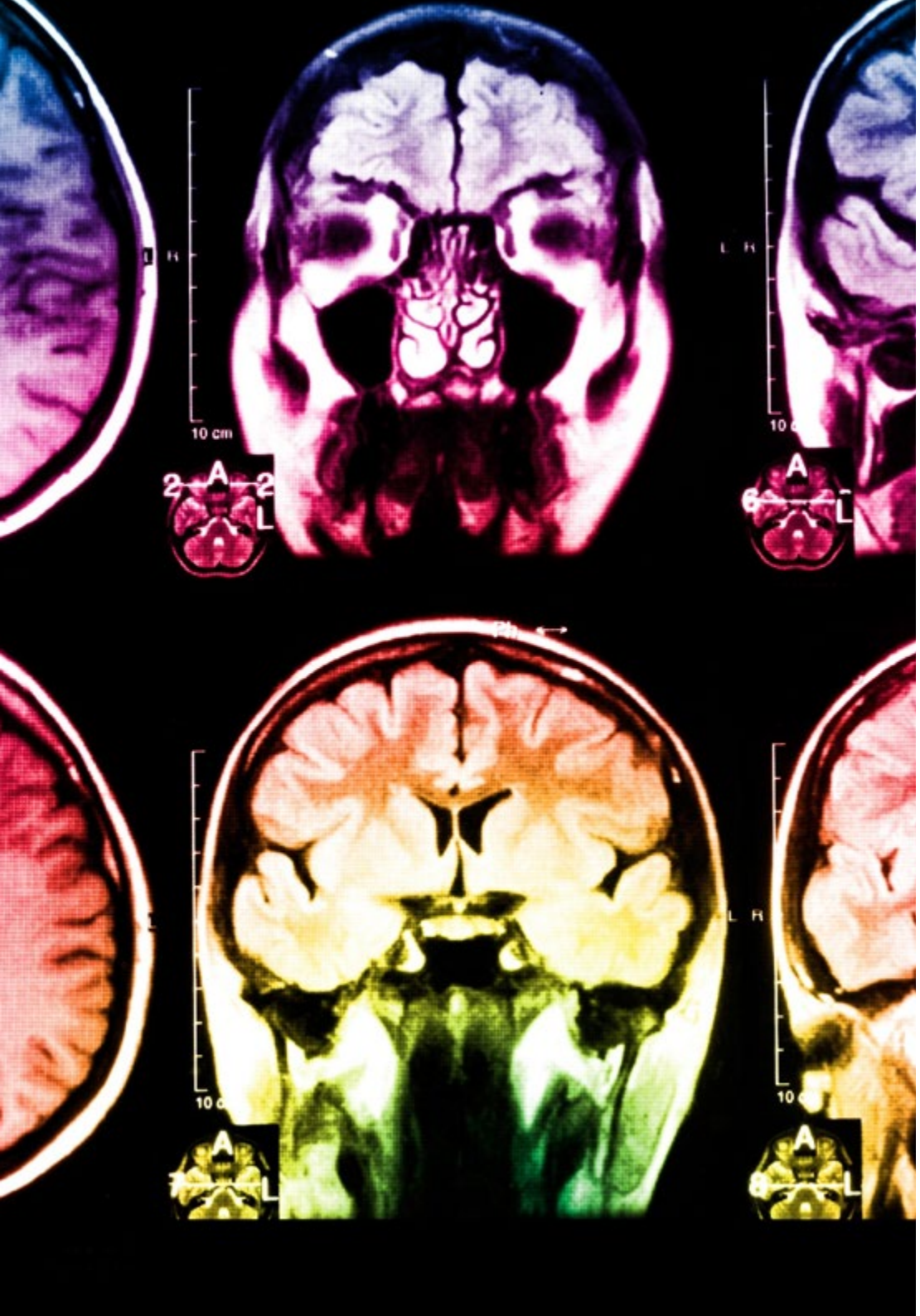
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better 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.

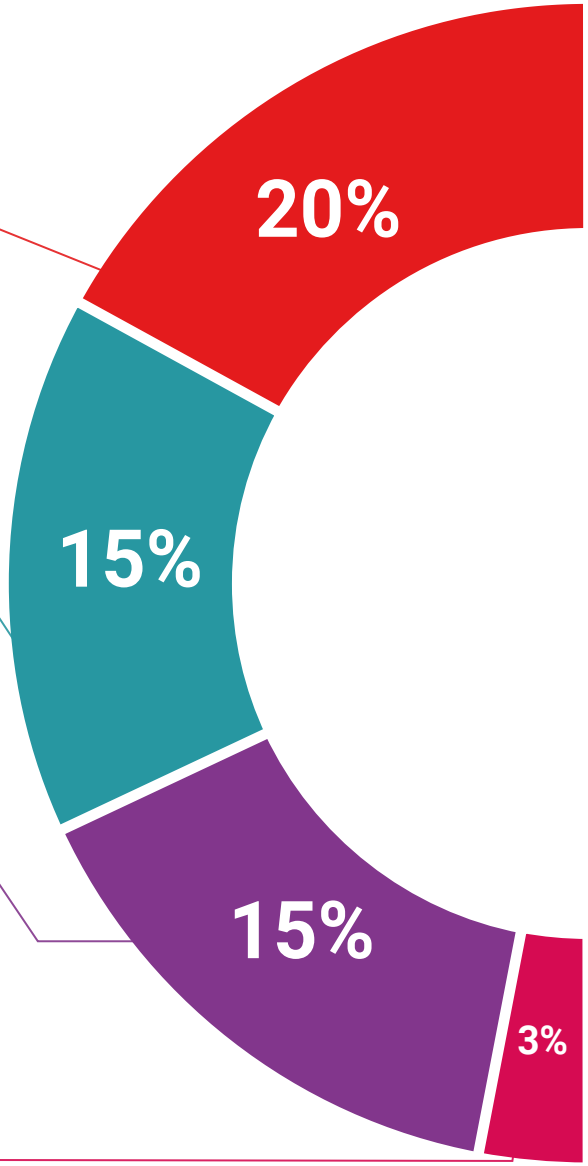
Interactive Summaries

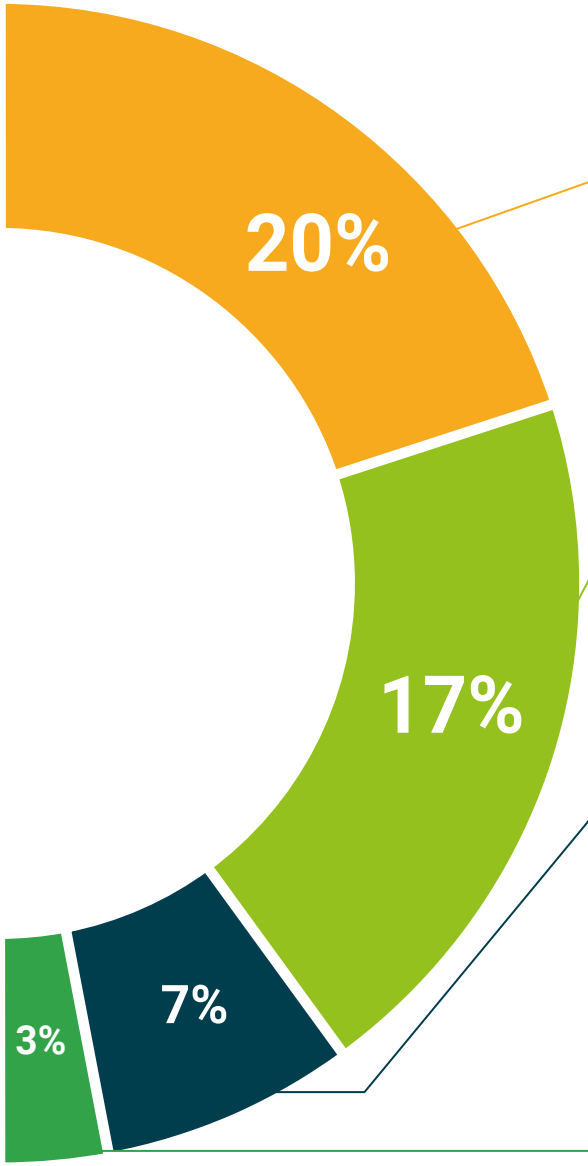
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.

07

Certificate

The Professional Master's Degree in Quality and Patient Safety guarantees students, in addition to the most rigorous and up-to-date education, access to a Professional Master's Degree issued by TECH Global University.

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

This program will allow you to obtain your **Professional Master's Degree diploma in Quality and Patient 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** title 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: **Professional Master's Degree in Quality and Patient Safety**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**

tech global university

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

Professional Master's Degree in Quality and Patient Safety

This is a program of 1,500 hours of duration equivalent to 60 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
Rector

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

Professional Master's Degree in Quality and Patient Safety

General Structure of the Syllabus

Subject type	ECTS
Compulsory (CO)	60
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 60

General Structure of the Syllabus

Year	Subject	ECTS	Type
1º	Health Care Quality Management Systems in Health Care Institutions	6	CO
1º	Clinical Risk Management	6	CO
1º	Quality of Care and Ethics in Health Care Institutions	6	CO
1º	Health Technology Assessment	6	CO
1º	Safety of Medicines and Health Care Products Pharmacy and Hematology	6	CO
1º	Errors in Health Care and Adverse Events	6	CO
1º	Organizational Safety	6	CO
1º	Patient Safety in the Surgical Block. High Risk Areas	6	CO
1º	Safety of the Pediatric Patient	6	CO
1º	Humanization of Health care	6	CO

Dr. Pedro Navarro Illana
Rector

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*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.

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Professional Master's Degree

Quality and Patient Safety

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Global University**
- Credits: **60 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Professional Master's Degree

Quality and Patient Safety

tech global university