UNIVERSIDAD COMPLUTENSE MADRID

Facultad de Enfermería, Fisioterapia y Podología
Universidad Complutense de Madrid

Elective Subject
(Academic Course 2023-2024)

Subject title: **HEALTH CARE QUALITY RESEARCH**

Code: **609361**
Subject: **Elective**
Responsibility Center: **Faculty of Nursing, Physiotherapy and Podiatry**
Credits: **3 ECTS**
Number of places offered: **20**

	Total (40%)	Theory	Practices	Others
Classroom hours	24	24		

Proposed calendar and timetable (semester/day/time): Second semester of the course (Thursdays, from 16:00 to 20:00 h)

Student profile (Degrees for which it is offered, if any)

Graduates in health sciences or related fields, and especially recommended for graduates in Nursing, Physiotherapy or Podiatry.

SHORT DESCRIPTOR

This course aims to teach students the importance of applying the principles of quality management both in the field of research and in the context of care.

OBJECTIVES

- - To promote scientific integrity as the backbone of the research process, encouraging responsible conduct in scientific work.
- - To provide students with the tools to be able to assess the quality of a research project and to acquire knowledge of quality management systems in research.
- - To disseminate the culture of quality and safety, providing the necessary foundations for working on continuous improvement and health risk management tools.

COMPETENCIES

GENERAL COMPETENCES:

- - Ability to solve problems in new or unfamiliar environments. Finds solutions and makes a fixed and decisive determination to solve a doubt or problem in complex situations.
- - Communication and teamwork skills. Can communicate the reasons for his/her ideas and conclusions clearly to specialised and non-specialised audiences. Collaborates and cooperates with others,

contributing the best of his/her competences to the achievement of team results. Accepts and values the competences of others and seeks synergy with colleagues. Values differences and builds relationships of respect and growth.

SPECIFIC COMPETENCES

- - Have the ability to implement evidence-based practice in health care.
- - Be able to evaluate the quality of health care management.
- - Use scientific evidence when assessing the quality of nursing practice.
- - Participate in quality improvement and quality assurance procedures.
- - Create and maintain a safe care environment using quality assurance and risk management strategies.
- - Use appropriate assessment tools to identify current and potential risks.

LEARNING OUTCOMES

The student will be able to:

- Relate good practice in research to the fundamental principles of scientific integrity.

- Know and know how to apply the principles of the 'UCM Code of good practice in research'.

- Describe the basic characteristics of quality management systems in research.

- Recognise the basic rules of application in research.

- Use the main tools to help assess the quality of a research study.

- Assess the quality of research according to bibliometric impact.

- Describe the elements that make up the field of quality and the different quality systems.

- Execute the basic tools in the quality improvement process.

- Critically use evaluation and auditing tools according to relevant quality standards.

- Recognise the key aspects of patient safety.

- Use safety incident and medication error reporting systems.

- Apply health risk management tools in their working environment.

TEACHING ACTIVITIES (theoretical, practical, seminars, workshops, etc.)

Lectures: 15 classroom hours

Group work/Seminars/Exhibitions: 7 hours (face-to-face) + 25 hours of autonomous work

Assessment: 2 hours

Tutoring: 6 hours

Study: 20 hours of individual learning

Total: 75 hours

AGENDA/CONTENTS

QUALITY MANAGEMENT IN RESEARCH

1. INTRODUCTION TO QUALITY MANAGEMENT IN HEALTH RESEARCH

1. Concept of scientific quality in health
2. Importance of quality management in biomedical research.

2. REGULATORY AND POLICY FRAMEWORK IN BIOMEDICAL RESEARCH

1. European and national legislation on biomedical research.
2. Codes of good practice and their application in research.

3. QUALITY MANAGEMENT IN CLINICAL RESEARCH

1. Principles of good clinical practice.
2. Validation and applicability of clinical studies.

4. MANAGING INNOVATION IN HEALTH

1. Strategies for innovation in the health sector.
2. Innovation management models: case of the EFQM model in health.

5. INTELLECTUAL ASSET MANAGEMENT AND INTELLECTUAL PROPERTY

1. Management of intellectual assets in research.
2. Protection and valorisation of research results.

6. ETHICS AND ACCOUNTABILITY IN BIOMEDICAL RESEARCH

1. Ethical considerations in biomedical research.
2. Responsibility and sustainability in research.

7. COMPETENCE DEVELOPMENT AND QUALITY MANAGEMENT TRAINING

1. Development of skills and competences in quality management.
2. Training and awareness-raising in quality management and innovation.

8. CASE STUDIES AND CASE STUDIES OF CRITICAL EVALUATION OF STUDIES

1. Analysis of real cases and studies of specific situations.
2. Group discussion and application of knowledge.

PATIENT SAFETY

- - Safety Culture and Key Concepts (definitions, taxonomy...)
- - Reporting of Safety Incidents (SI) and Medication Errors (ME)
- - Concept, identification and tools for healthcare risk management: reactive and proactive analysis
- - Basic principles of Safety Rounds

EVALUATION

ORDINARY SESSION:

- - Exam: 50 %.
- - Group work: 50 %.

EXTRAORDINARY SESSION:

- - Exam: 100 %.

BIBLIOGRAFÍA / RECURSOS EN INTERNET

BIBLIOGRAPHY / INTERNET RESOURCES

Quality management in research

- Alonso Miguel P. Calidad en Investigación (1ª. Parte) De qué trata la gestión de calidad en investigación. Revista de Investigación en Gestión de la Innovación y Tecnología. MADRI+D, N° 32, octubre 2005. Disponible en: https://www.madrimasd.org/revista/revista32/aula/aula1.asp
- Alonso Miguel P. Calidad en Investigación (2ª. Parte) Aproximación metodológica a la mejora de las actividades de investigación. Revista de Investigación en Gestión de la Innovación y Tecnología. MADRI+D, N° 33, diciembre 2005. Disponible en: https://www.madrimasd.org/revista/revista33/tribuna/tribuna3.asp
- Casado M, Patrao MdC, de Lecuona I, Carvalho AS, Araujo J. Declaración sobre integridad científica en investigación e innovación responsable. Barcelona: Edicions de la Universitat de Barcelona, 2016.
- Lamas S, Ayuso C. La integridad científica como fundamento esencial de la investigación clínica. Fundamentos éticos y aspectos prácticos. En Dal-Ré R, Carné X, Gracia D. Luces y sombras en la investigación clínica. Madrid: Triacastela; 2013.
- Sánchez Alfaro LA. Integridad Científica: elemento esencial en el progreso de la ciencia. Movimiento Científico. 2017; 11(1):1-4.
- Universidad Complutense de Madrid. Código de buenas prácticas en investigación. Madrid:UCM;2020
- UNE 166000:2006 – Gestión de la I+D+i: Terminología y definiciones de las actividades de I+D+i.
- UNE 166001:2006 – Gestión de la I+D+i: Requisitos de un proyecto de I+D+i.
- UNE 166002:2021 – Gestión de la I+D+i: Requisitos del Sistema de Gestión de I+D+i
- Cobos-Carbó A, Augustovski F. Declaración CONSORT 2010: actualización de la lista de comprobación para informar ensayos clínicos aleatorizados de grupos paralelos [CONSORT 2010 Declaration: updated guideline for reporting parallel group randomised trials]. Med Clin (Barc). 2011;137(5):213-215. doi:10.1016/j.medcli.2010.09.034
- von Elm E, Altman DG, Egger M, et al. Declaración de la Iniciativa STROBE (Strengthening the Reporting of Observational studies in Epidemiology): directrices para la comunicación de estudios observacionales [The Strengthening the Reporting of Observational Studies in Epidemiology [STROBE] statement: guidelines for reporting observational studies] [published correction appears in Gac Sanit. 2008 Jul-Aug;22(4):391]. Gac Sanit. 2008;22(2):144-150. doi:10.1157/13119325
- Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. Int J Qual Health Care. 2007;19(6):349-357. doi:10.1093/intqhc/mzm042
- Saiz A, Blasco JA y Grupo GEVIEC. Elaboración y validación de instrumentos metodológicos para la evaluación de productos de las agencias de evaluación de tecnologías sanitarias. Evaluación de la calidad de Estudios Cualitativos. Madrid: Plan de Calidad para el SNS del MSSSI. Unidad de Evaluación de Tecnologías Sanitarias, Agencia Laín Entralgo; 2011. Informes de Evaluación de Tecnologías Sanitarias: UETS 2010/01.
- Estarli M, Aguilar Barrera ES, Martínez-Rodríguez R, Baladia E, Duran Agüero S, Camacho S, Buhring K, Herrero-López A, Gil-González DM. Ítems de referencia para publicar Protocolos de Revisiones Sistemáticas y Metaanálisis: Declaración PRISMA-P 2015. Rev Esp Nutr Hum Diet. 2016; 20(2):148 - 160. doi: 10.14306/renhyd.20.2.223
- Brouwers MC, Kerkvliet K, Spithoff K, on behalf of the AGREE Next Steps Consortium. The AGREE Reporting Checklist: a tool to improve reporting of clinical practice guidelines. BMJ 2016;352:i1152. doi: 10.1136/bmj.i1152

Quality of Care and Patient Safety

- Mompart García MP, Almazán González S. Calidad y seguridad del paciente. En: Mompart García MP, Durán Escribano M. Administración y gestión. 3ª ed. Colección Enfermería S21. Madrid: Difusión Avances de Enfermería (DAE); 2018. p. 413-40. Acceso libre UCM (Enferteca)
- Davins Miralles JP. Comparativa de 3 modelos de gestión de calidad: EFQM, ISO, JCAHO. FMC. 2007;14(6):304-8
- Almazán González S, Mompart García MP. Seguridad del paciente: eventos adversos relacionados con la atención sanitaria. En: Mompart García MP (coord.). Actualizaciones año 2010. Colección Enfermería S21. Madrid: Difusión Avances de Enfermería (DAE); 2010. p. 49-65. Acceso libre UCM (Enferteca)
- Forcada Segarra JA. Conceptos de seguridad del paciente. En: Forcada Segarra JA. Actualización y formación continuada en prevención de riesgo biológico para enfermer@s. Madrid: Difusión Avances de Enfermería (DAE); 2014. p. 145-52. Acceso libre UCM (Enferteca)
- Aranaz Andrés JM. La seguridad en la práctica clínica, una dimensión de la calidad asistencial. En: Cabo Salvador J. Gestión de la calidad en las organizaciones sanitarias. Madrid: Díaz de Santos; 2014. p. 1285-1309. Acceso libre UCM (Catálogo Cisne) Disponible en: https://elibro.net/es/ereader/universidadcomplutense/62965?page=2.
- Ministerio de Sanidad, Servicios Sociales e Igualdad. Estrategia de Seguridad del Paciente del Sistema Nacional de Salud 2015-2020. MSSSI; 2016 [acceso 24 Jul 2020]. Disponible en: https://www.seguridaddelpaciente.es/resources/documentos/2015/Estrategia%20Seguridad%20del%20Paciente%202015-2020.pdf

Internet resources:

- Red EQUATOR (Enhancing the QUALITY and Transparency Of health Research). https://www.equator-network.org/
- Consorcio AGREE. https://www.agreetrust.org/
- Programa de Habilidades en Lectura Crítica Español (CASPe): http://www.redcaspe.org/
- Sociedad Española de Calidad Asistencial (SECA). http://calidadasistencial.es/?page=inicio
- Ministerio de Sanidad: Seguridad del Paciente. https://www.seguridaddelpaciente.es/es/
- Fundación Avedis Donabedian. https://www.fadq.org/
- Asociación Española de Normalización y Certificación AENOR. https://www.aenor.com/
- Club Excelencia en Gestión. https://clubexcelencia.org/
- Asociación española para la calidad. https://www.aec.es/
- Modelo EFQM de Calidad y Excelencia. http://www.efqm.es/ https://www.efqm.org/
- Joint Commission International https://www.jointcommissioninternational.org
- Formación en metodología de la investigación: http://www.fisterra.com/mbe/investiga/index.asp
- Recursos de investigación en cuidados (investen-isciii). http://www.evidenciaencuidados.es/recursos/

TEACHING STAFF

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