

Course Unit	Prevenção e Controlo da Infecção Associada aos Cuidados de Saúde		Field of study	Nursing	
Master in	Medical-Surgical Nursing caring for the person in critical stage		School	School of Health	
Academic Year	2022/2023	Year of study	1	Level	2-1
Type	Semestral	Semester	2	ECTS credits	4.0
Code	5064-762-1203-00-22				
Workload (hours)	108	Contact hours	T -	TP 20	PL 5
			TC -	S 5	E -
			OT -	O -	

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Ana Rita Veloso Goncalves

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understand the design and implementation of infection prevention and control plans to respond to the needs of the context of care for people in critical situations and/or organ failure.
2. Incorporate development of infection control procedures in accordance with the prevention norms, namely of healthcare-associated infection, resistance to Antimicrobials for the person in a critical.

Prerequisites

Before the course unit the learner is expected to be able to:
Not applicable.

Course contents

Healthcare Associated Infections (HAIs). Concept and scope in relation to the concept of nosocomial infections and nosocomial infections. Evolution of the valuation of HAIs at an international level. Personalities and historical landmarks. Responsible organizations, in the implementation of international programs and production of norms and guidelines. National Program for the Prevention and Control of Infections and Resistance to Antimicrobials (PPCIRA). Epidemiological chain. Predisposing factors of HAI.

Course contents (extended version)

1. Epistemology of Prevention and Control of Healthcare Associated Infection.
 - Historical Evolution of Infection Control.
2. National and Institutional Organization the prevention control of Health Care Associated Infections.
 - Infection Prevention and Control and Antimicrobial Resistance Program (PPCIRA).
3. National Plan for the Prevention and Control of Health Care Associated Infection.
 - IACS Epidemiological Surveillance Programs.
4. Individual and collective protection strategies.
 - Basic Infection Control Precautions.
 - Precautions Based on Transmission Routes.
5. Sorting and packaging of residues, circuits and treatment;
 - Hospital waste: Sorting by groups, packaging, transport and treatment.
6. Disinfectant, antiseptic and sterilization policy.
 - Decontamination of medical devices, equipment and environment.
 - Concepts of cleaning, disinfection and sterilization. Spaulding Classification.

Recommended reading

1. Direção Geral de Saúde (2019). Plano nacional de combate à resistência aos antimicrobianos 2019-2023. Lisboa.
2. Cruz, Miranda; Martins, Matilde (2019). Pneumonia associada à ventilação mecânica invasiva: cuidados de enfermagem. Revista de Enfermagem Referência.
3. Martins, Matilde; Fernandes, Alfredo Carlos Preto (2019). Implementação de bundles na prevenção da infecção após prótese total da anca. Revista de Enfermagem Referência. Coimbra.
4. Direção Geral de Saúde (2022). Infecções e Resistências aos Antimicrobianos: Relatório Anual do Programa Prioritário PPCIRA, 2021. Ministério da Saúde. Portugal.
5. Direção Geral de Saúde (2023). Estratégia Multimodal de Promoção das Precauções Básicas de Controlo de Infecção (EM-PBCI). Lisboa

Teaching and learning methods

Development of learning, according to expository, demonstrative and interactive methods, using audiovisual means. Realization of group intervention plans, in a TP context. 190 / 5.000
Seminars, within the scope of organizing and promoting infection prevention and control in health institutions, by nurses and other professionals who are part of the GCL-PPCIRA.

Assessment methods

1. Normal Season Evaluation - (Regular, Student Worker) (Final)
 - Final Written Exam - 70%
 - Practical Work - 30%
2. Evaluation by Final Exam - (Regular, Student Worker) (Supplementary)
 - Final Written Exam - 100%

Language of instruction

Portuguese

Electronic validation

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11-04-2023	26-05-2023	26-05-2023	28-06-2023