

Course Unit	Nursing the Person in Critical Condition and/or Organ Failure II		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	11.0
Code	5064-762-1201-00-22				
Workload (hours)	297	Contact hours	T -	TP 60	PL 30
			TC -	S -	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) Matilde Delmina da Silva Martins, Ana Sofia Figueiredo Costa, Marco Bruno Mendes de Sousa

Learning outcomes and competences

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

1. Identify and evaluate the needs of specialized nursing care for a person in critical condition and/or organ failure;
2. Define levels of intervention or priority management in nursing care for people in critical situations and/or organ failure;
3. Develop technical and scientific skills in caring for a person in critical condition or organ failure with needs for monitoring, transport, replacement therapies for vital functions
4. Develop technical and scientific skills in caring for a person in critical condition or organ failure with needs for donor maintenance, organ and tissue harvesting for transplantation
5. Develop technical and scientific skills in caring for a person in critical condition or organ failure with tissue damage and pain control and well.
6. Apply advanced life support measures according to actuation algorithms.

Prerequisites

Before the course unit the learner is expected to be able to:
It does not have

Course contents

Assessment, management of priorities, surveillance of the needs of specialized nursing care for a person in a critical situation; Advanced Life Support.
Transport of the person in critical situation.
Specialized care in medical-surgical nursing in the maintenance of donors, in the collection of organs and tissue for transplantation, Replacement therapies for vital functions;
Pain assessment and control and promotion of the well-being of the person in a critical situation and/or organ failure;

Course contents (extended version)

1. Assessment of the needs of specialized nursing care for a person in critical condition
2. Priority Management in the context of intervention to the person in critical situation
3. Surveillance and monitoring of the person in critical condition and/or organ failure.
4. Adult Advanced Life Support / Pediatric Advanced Life Support / Advanced Trauma Life Support
5. Transportation of the person in a critical situation and/or organ failure;
6. Specialized care in donor maintenance, organ and tissue harvesting for transplantation
7. Replacement therapies for vital functions
8. Pain evaluation and control and promotion of the well-being of the person in critical situation
9. Assessment and intervention for people in critical condition and/or organ failure with tissue damage

Recommended reading

1. European Resuscitation Council. (2020). Guidelines 2020 [internet]. 2020. [acesso em 2021 mar21]. Disponível em: <https://cprguidelines.eu/guidelines-2020>
2. Aehlert, B.B. (2017). ACLS Advanced Cardiac Life Support. Emergências em Cardiologia. Suporte avançado de vida em cardiologia. (5ª ed.). São Paulo: Elsevier
3. Pinho, J. A. (2020). Enfermagem de Cuidados Intensivos. Lisboa: Editora Lidel Edições Técnicas, Lda.
4. Thelan, L. A., Davie, J. K., Urden, L. D. & Mary, L E. (2008). Enfermagem em cuidados intensivos. Diagnóstico e intervenção. Lisboa: Lusodidata
5. Graça, A. ; Silva, N.; Correia, T.; Martins, M..(2017). Inter-hospital transport of critically ill patients: the reality of a hospital in the Northeast region of Portugal. Referência

Teaching and learning methods

Pedagogical strategies and learning development methods will be the most suitable for the syllabus and students, using expository, demonstrative and interactive methods. The simulated practice in the laboratory will constitute one of the promoting strategies for the acquisition of specific skills in the specialty area. Presentation and discussion of clinical situations.

Assessment methods

1. Normal season evaluation - (Regular, Student Worker) (Final)
 - Final Written Exam - 70%
 - Laboratory Work - 30% (Students must have a mandatory assessment of practices with a minimum grade of 8.5.)
2. Feature and special season evaluation - (Regular, Student Worker) (Supplementary, Special)
 - Final Written Exam - 70%
 - Laboratory Work - 30% (Students must have a mandatory assessment of practices with a minimum grade of 8.5.)

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

Matilde Delmina da Silva Martins	Carlos Pires Magalhães	Maria Eugénia Rodrigues Mendes	Adília Maria Pires da Silva Fernandes
06-04-2023	15-05-2023	15-05-2023	21-05-2023