

LABORATORI PROFESSIONALI (ITO240)

1. language

Italian.

2. course contents

Coordinator: Prof. GRASSONE Christian

Year course: 2°

Semester: 1° e 2°

UFC: 1

Modules and lecturers:

- LABORATORI PROFESSIONALI (ITOLB2) - 1 ufc - ssd MED/45

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3. bibliography

Mortari L, Saiani L. Gesti e pensieri di cura. Milano: Mc Graw Hill, 2013.

Saiani L, Brugnolli A. Trattato di cure infermieristiche. Napoli: Casa Editrice Idelson-Gnocchi, 2011. Cap 28.

Guidelines 2015 CPR&ECG. Sintesi dell'Aggiornamento delle linee guida 2015 per RCP ed ECG dell'American Heart Association.

Linee guida European Resuscitation Council per la Rianimazione 2015. Patrocinio del Ministero della Salute.

4. learning objectives

At the end of the workshop the student will be able to:

Knowledge and understanding (Dublin 1)

describe the operational sequence of the CPR procedure;

describe the characteristics of the main upper limb veins suitable for the placement of peripheral venous access (seat, anatomical and functional characteristics);

describe the operating sequence of procedures relating to: positioning of a peripheral venous access, administration of a drug via IM-SC-EV, reconstitution of an infusion line, aspiration of a drug from a vial, dilution and aspiration of a drug from a vial;

describe the material needed to apply the procedures (above).

Applied knowledge and understanding (Dublin 2)

analyze the intervention strategies in the area of urgency - emergency;

carry out the BLSD sequence necessary to prevent anoxic brain damage and activation of a response system;

perform the evaluation of the adult person, in a safe condition, and recognize some critical changes inherent in the state of: unconsciousness, respiratory arrest and absence of pulse;

safely apply the operational sequences of the procedures related to drug administration via IM-SC-EV;

perform the assessment of the veins of the upper limb suitable for the placement of peripheral venous access;

perform the assessment of the responsiveness of the assisted person who needs peripheral venous access positioning;

perform and solve calculations for the dosage of drugs, using prototypical clinical cases.

Independent judgment (Dublin 3)

develop clinical reasoning on situations of clinical instability, unconsciousness, cardio-

circulatory arrest, absence of pulse;
carry out assistance interventions respecting safety, quality standards, ethical principles and scientific evidence;
explain the criteria that guide the professional in the choice of the most suitable device (type, size, fixing) and in the choice of the vein suitable for peripheral venous access;
adapt the procedure in relation to the context and level of responsiveness of the assisted person needing peripheral venous access.

Communication skills (Dublin 4)

use communication appropriate to the context and inter-professional collaboration in care settings;
use context-appropriate terminology in relation to the information transfer.

Learning skills (Dublin 5)

self-assess their level of professional competence and carry out self-training activities;
reflect on their own reactions resulting from the experiential impact.

5. PREREQUISITES

There is a test for access to the laboratory, with multiple choice questions or check lists to complete. The questions will assess the knowledge of the student, preparatory to the implementation of laboratory activities.

6. teaching methods

Scenarios of simulated situations in the clinical area and emergency-urgency.

Experiential activities followed by reflection and plenary discussion.

Exercise on advanced dummy.

Exercise among companions for the palpation of the veins of the upper limb (safely, according to the most recent indications regarding the containment of the spread of the Sars-Cov-2 virus and with the supervision of the classroom tutor).

7. other informations

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8. methods for verifying learning and for evaluation

Techniques of preparation and administration of parenteral therapy.

Preliminary assessment test (on Blackboard platform) and practical test.

BLSD.

Use of skill test and practice test.

At the end of each workshop, the student will receive a fitness assessment (visible on the Florence platform).

The certification of eligibility (useful for obtaining the CFU) will be recorded in the dedicated exam sessions.

9. program

Techniques of preparation and administration of parenteral therapy

Assessments of upper limb veins and venipuncture technique for peripheral venous access positioning. Peripheral venous access fixing techniques.

Techniques and modes of preparation and administration of parenteral drug therapy. Calculations for the dosage of drugs.

Operating sequences to apply the following procedures: placement of a peripheral venous access (CVP), administration of a drug via IM-SC-EV, reconstitution of an infusion line, aspiration of a drug from a vial, dilution and aspiration of a drug from a vial.

BLSD

The ABCDE evaluation algorithm in emergency-emergency situations. Assessment of the adult, in

a safe condition, and recognition of the status of: unconsciousness, respiratory arrest and absence of pulse. Application of the BLS sequence necessary to prevent anoxic brain damage and activation of a response system.