UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Semeiotics By Clinical Simulation

2021-2-H4101D011

Aims

The Semeiotic Course on Simulator carried out with practical exercises with dummies-simulators is aimed at the first learning of the techniques of approach to the patient and the main semeiological maneuvers to be applied in the objective examination, in preparation for the future professional activity carried out in the following years directly on the patient. The tutoring activity involves small groups of students, with the constant presence of the teacher in order to provide the basis for the first approach to theoretical knowledge and to the practical learning of multiple medical, surgical and emergency semeiological maneuvers.

Contents

The tutorial activity involves small groups of students, with the constant presence of the teacher in order to provide the basis for the first approach
to theoretical knowledge and practical learning of the multiple semeiological medical, surgical and emergency maneuvers.

Detailed program

MEDICAL SEMEIOTICS
Physical examination
- Head, neck
- Heart
- Chest
- Abdomen
- Arterial wrists

Blood pressure measurement

- Clinical blood pressure measurement
Collection of anamnesis and compilation of the medical record
• Introduction to the collection of the clinical history by interviewing the patient, focused on:
- Family history
- Physiological history
- Remote pathological history
- Pathological anamnesis next
• Initial approach to the compilation of the medical record
SURGICAL SEMEIOTICS
- Preparation of the surgical field
- Method of performing local anesthesia
Physical examination
- Breast: recognition of the nature (cystic, solid, infiltrating) of breast lesions
- Lymphnodes
- Recognition of different skin lesions
- Anatomical principles of rectal exploration and its purposes
Instrumental maneuvers
- Positioning of bladder catheter in male and female
- Execution of venous and arterial sampling
- Positioning of the gastric nose tube
- Execution of the various types of skin suture: suture materials and basic instruments: positioning and removal of the stitches

EMERGENCY TECHNIQUES
ABC of emergency patient assessment

- Evaluation of the state of consciousness and of the main neurological syndromes in an emergency: coma, convulsive crisis, stroke
- Assessment of airway patency and spontaneous respiratory activity.
- Recognition of respiratory obstruction and respiratory arrest
- Evaluation of the presence of the peripheral pulse and recognition of cardiovascular arrest.
- Recognition of the main cardiocirculatory emergencies: ischemia, heart attack, syncope.
Basic life support techniques using the semiautomatic defibrillator (BLS-D)
- Knowledge of the main basic rescue algorithms according to the International Guidelines.
- Positioning of the patient
- Airway management: head hyperextension maneuver
- External cardiac massage
- Safety position
- Use of the semi-automatic defibrillator

Prerequisites

Knowledge related to the preparatory courses indicated in the degree course regulations

Teaching form

Frontal lessons, exercises

(modifiable based on the current limitations related to the COVID emergency)

Textbook and teaching resource

Slides

Semester

2nd semester

Assessment method

Oral exam and practical test

(modifiable based on the current limitations related to the COVID emergency)

Office hours

On appointment