UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Surgical Specialty Nursing

2021-2-I0101D012

Aims

The course sets the training objectives, which will be illustrated below, with respect to surgical interventions in the following specialist clinical areas:

- Thoracic Surgery

- Gynaecology

- Cardiac Surgery

- Vascular Surgery

- Abdominal surgery

- Urology

- Neurosurgery

- Otolaryngology

- Bariatric Surgery

- Maxillo-facial

- Vulnology (surgical approach)

NURSING IN SPECIALIST SURGERY

General objective: at the end of the course the student will be able to draw up nursing care plans for the person undergoing specialist surgery.

Intermediate objectives: at the end of the course the student will be able to describe, for some clinical pictures referring to the above mentioned specialty: the most frequently detectable data; the characteristic nursing diagnoses; the main nursing interventions.

GENERAL SURGERY 2 - Know how to describe the clinical picture (signs and symptoms) know how to describe the pathophysiological mechanisms that determine them, know how to indicate the diagnostic process and the therapeutic approach.

RESEARCH AND METHOD

General goals: students will be able to understand the meaning and purpose of research in nursing, describe the role of nurses to produce a contribute to the research in a scientific context.

Intermediate goals:

A. Identify the general aspects of scientific research and nursing;

B. know the “Evidence Based Practice (EBP)” and the relationships with the clinical practice;

C. Be familiar with the methodological bases of research;

D. Obtain the fundamentals of the bibliographic research;

E. Know the features of relevant scientific literature.

Contents

The course aims to give elements to provide nursing to patients undergoing to surgical interventions in different fields: Thoracic, Gynecological, Heart, Vascular, Abdominal Surgery, Urology, Neurosurgery, Otorhinolaryngology, Bariatric Surgery, Vulnology, Maxillo-facial surgery

It also provides the theoretical basics for the research in a scientific field by consulting biomedical literature.

Detailed program

NURSING IN SPECIALIST SURGERY

Nursing care:

- to the person undergoing chest surgery;

- to the person with chest drainage;

- the person undergoing gynaecological surgery and the person with problems related to physiological and surgical menopause;

- the person undergoing myocardial revascularization surgery;

- the person undergoing cardiac valve replacement surgery;

- the person with intestinal ostomy;

- the person undergoing a cardiac transplant or with a "left ventricular assist device (LVAD)" installed (basics);

- the person with urinary derivation;

- the person undergoing nephrectomy;

- person undergoing prostate resection surgery and urological surgery in man (testicular and penis diseases);

- the person undergoing intracranial surgery;

- laryngectomized person;

- the person undergoing tonsillectomy.

- the person undergoing bariatric surgery

- to the person undergoing maxillo-facial surgery.

Insights into the following techniques:

- chest drainage management;

- management of intestinal and urinary stomas;

- performing colostomy irrigation;

- execution of bladder autocatheterization;

- Testicular self exam;

- management of continuous bladder washing;

- Intracranial Pressure (PIC) detection;

- management of external (DVE) and internal (DVI) ventricular derivation (hints);

- tracheostomy management;

GENERAL SURGERY 2

- Cardiosurgery: ischemic heart disease and pulmonary embolism (hints), aortic and mitral valvulopathies, thoracic aorta pathology

- Vascular surgery: carotid stenosis, abdominal aortic aneurysm, varices and thrombophlebitis, arteriopathy.

- Thoracic surgery: pneumothorax, pleural effusions, lung tumors.

- Neurosurgery: brain tumors, brain haemorrhage, hydrocephalus, head trauma.

- Eye surgery: glaucoma, cataract, retinal detachment, neoplasms.

- Otolaryngology: otitis, nosebleeds, laryngeal tumors.

- Urology: bladder neoplasms, prostate neoplasms, urological surgery (phimosis, varicocele, testicular neoplasia, etc.).

- Maxillofacial surgery: neoplasms, traumas.

- Bariatric surgery (different types of approach)

- Gynaecological surgery

- Vulnological surgery

RESEARCH METHODOLOGY - General Definition: basic and applied research. The research in nursing: goals. Nursing education and research skills. The quantitative and qualitative research. The research process and Evidence Based Practice process. The tools for data collection. Drawings of quantitative research and the grading of the evidence. The different editorial products. Analysis of scientific publications. Critical reading of an scientific article.

Prerequisites

Defined by the academic regulations.

Teaching form

Lectures using presentations in electronic format. Teledidactics.
In the Covid-19 emergency period the lessons will be held in mixed mode: partial presence and video-recorded asynchronous/synchronous lessons.

Textbook and teaching resource

SURGICAL SPECIALTY NURSING / GENERAL SURGERY 2

Ausili D., Baccin G., Bezze S., Bompan A., Macchi B, Alberio M., Sironi C., Di Mauro S. (2018) Il Modello

assistenziale dei processi umani (2018): un quadro teorico per l’assistenza infermieristica di fronte alla sfida della complessità. Pubblicazione CNAI – Centro Italiano Accreditato per la ricerca e lo sviluppo dell'ICNP

Butcher H. K., Bulechek G. M., Dochterman J. M., Wagner C. M. (2020) Classificazione NIC degli interventi infermieristici.Terza edizione italiana sulla sesta edizione originale Milano: CEA

Moorhead S., Swanson E. Johnson M., Maas M. L. (2020) Classificazione NOC dei risultati infermieristici Misurazione dei risultati di salute. Terza edizione italiana sulla sesta edizione originale Milano: CEA

NANDA International (2018) DIAGNOSI INFERMIERISTICHE Definizioni e classificazione 2018-2020. Milano: CEA

Lise M. (2017), Chirurgia per le professioni sanitarie, V edizione Piccin, Padova

Smeltzer, Bare, Hinkle, Cheever. Brunner, Suddarth, (2017), Infermieristica Medico-Chirurgica, CEA, Milano

Articles

Caple, DeVesty (2018), Urinary Diversion: Caring for the Patient with a Continent Cutaneous Reservoir, Cinahl Information Systems

Caple, Heering (2018), Extraventricular Drainage System: Draining Cerebrospinal Fluid to Control Intracranial Pressure, Cinahl Information Systems

Caple, Kornusky (2018), Intraventricular Catheter and Extraventricular Drainage System: an Overview, Cinahl Information Systems

Engelke, Schub (2017), Patient Education: Home Care – Teaching Intermittent Self-Catheterization in Adults, Cinahl Information Systems

Schub, Pilgrim (2018), Ostomy Care: an Overview, Cinahl Information Systems

Smith (2017), Intracranial Pressure Monitoring: Performing in the Adult Patient, Cinahl Information Systems

Kornusky, Boling (2017), Tracheostomy Care: Providing, Cinahl Information Systems, Cinahl Information Systems

Walsh, Caple (2017), Urinary Catheter: Caring for in Patients Following TURP, Cinahl Information Systems

Walsh, Caple (2018), Urinary Diversion: Caring for the Patient with an Ileal, Cinahl Information Systems

RESEARCH METHODOLOGY

Sironi C. (2010) Introduzione alla ricerca infermieristica. I fondamenti teorici e gli elementi di base per comprenderla nella realtà italiana, Milano: CEA; Casati M. (1999) Ricerca infermieristica e documentazione assistenziale. In: Casati M. La documentazione infermieristica, II ed., Milano: McGraw-Hill, pp.173-226.

Semester

2nd Year, 2nd Semester

Assessment method

Written examination:

20 closed quiz with multiple choice answer (GENERAL SURGERY 2)

8 closed quiz with multiple choice answer (RESEARCH METHODOLOGY)

2 open ended questions GENERAL SURGERY 2

2 open ended questions RESEARCH METHODOLOGY

Oral examination:

`Interview on topics of SURGICAL SPECIALTY NURSING`

In the Covid-19 emergency period, oral exams will be telematics only. They will be conducted using the WebEx platform and the e-learning page of the teaching will contain a public link to access the exam for possible virtual viewers. The use of proctoring technologies will also be possible.

Office hours

On appointment