



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Surgical Specialty Nursing

1920-2-I0101D012

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#### Aims

**SURGICAL SPECIALTY NURSING** - General aims: the student will be able to structure nursing plans to patients undergoing surgery procedure in different surgical fields: Thoracic Surgery, Gynecology, Heart Surgery, Vascular Surgery, Abdominal surgery (to the intestinal tract with packaging stoma), Urology, Neurosurgery, Otorhinolaryngology.

Intermediate goals: at the end of this course, students will be able to describe, for some surgical cases, frequent signs and symptoms, frequent nursing diagnosis and interventions. **GENERAL SURGERY 2** - The student will be able to describe the clinical presentation (signs and symptoms) of the main surgical diseases and the description of the pathophysiological mechanisms that may cause them and 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; 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.

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

## **Detailed program**

**SURGICAL SPECIALTY NURSING** - Nursing to people undergoing thoracic surgery and with a chest tube; nursing to people undergoing gynecological surgery, myocardial revascularization, heart valve replacement; nursing care to patients with a stoma, with an urinary diversion; nursing to patients undergoing nephrectomy and transurethral prostatic resection (TURP); nursing to people undergoing intracranial surgery; nursing to patients with laryngectomy; nursing to patients undergoing tonsillectomy. In-depth of the following nursing techniques: management of thoracic drainage; management of intestinal and urinary stoma, irrigation of colostomy; self bladder catheterisation ; management of continuous bladder lavage; monitoring of Intracranial Pressure (ICP); management of external ventricular shunt (DVE) and internal (DVI); management of tracheostomy. **GENERAL SURGERY 2** – Heart Surgery: ischemic heart disease and pulmonary embolism (notes), diseases of heart valves and thoracic aorta. Vascular Surgery: carotid stenosis, abdominal aortic aneurysm, varicose veins and thrombophlebitis. Thoracic surgery: pneumothorax, pleural effusion, lung cancer. Neurosurgery: brain cancer, cerebral hemorrhage, hydrocephalus, head injuries. Ophthalmology: glaucoma, cataracts, retinal detachment, neoplasms. Otolaryngology: otitis, nosebleeds, cancer. Urology: bladder cancer, prostatic cancer, minor urological surgery (phimosis, varicocele, testicular k, etc.). Maxillofacial Surgery: cancer, trauma. Bariatric surgery. Gynecology 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.

## **Textbook and teaching resource**

**SURGICAL SPECIALTY NURSING / GENERAL SURGERY 2** Ausili D., Baccin G., Bezze S., Di Mauro S., Sironi C. (2015) L'impiego dell'ICNP® con il Modello assistenziale dei processi umani: un quadro teorico per l'assistenza infermieristica di fronte alla sfida della complessità. Pubblicazione CNAI (Disponibile da lulu.com o amazon.it)

Bulechek G. M., Butcher H. K., Dochterman J. M., Wagner C. M. (2013) Classificazione NIC degli interventi infermieristici Edizione 2013. Milano: CEA

Moorhead S., Johnson M., Maas M. L., Swanson E. (2013) Classificazione NOC dei risultati infermieristici Edizione

2013 Misurazione dei risultati di salute. Milano: CEA

NANDA International (2015) DIAGNOSI INFERMIERISTICHE Definizioni e classificazione 2015-2017. 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 (2016), Urinary Diversion: Caring for the Patient with a Continent Cutaneous Reservoir, Cinahl Information Systems

Caple, Heering (2016), Extraventricular Drainage System: Draining Cerebrospinal Fluid to Control Intracranial Pressure, Cinahl Information Systems

Caple, Kornusky (2016), Intraventricular Catheter and Extraventricular Drainage System: an Overview, Cinahl Information Systems

Engelke, Schub (2016), Patient Education: Home Care – Teaching Intermittent Self-Catheterization in Adults, Cinahl Information Systems

Schub, Pilgrim (2016), Ostomy Care: an Overview, Cinahl Information Systems

Smith (2016), Intracranial Pressure Monitoring: Performing in the Adult Patient, Cinahl Information Systems

Kornusky, Boling (2016), Tracheostomy Care: Providing, Cinahl Information Systems, Cinahl Information Systems

Walsh, Caple (2016), Urinary Catheter: Caring for in Patients Following TURP, Cinahl Information Systems

Walsh, Caple (2016), 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

2 Year - 2 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:

### **Office hours**

On appointment

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