



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### General Surgery

1819-2-H4102D015-H4102D046M

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#### Aims

At the end of the course/activity block, the student will be able to:

- Approach a surgical patient
- Harvest a medical history
- Learn the appropriate terminology to communicate with patients and medical staff
- Use an electronic database for clinical data
- Identify, examine and describe the main pathological symptoms and signs in relation to surgical pathology. Highlight on a multidisciplinary approach, exploiting the PBL Method.

Theory and practical skills to perform the basic clinical examination tests in general surgery and surgical specialties.

#### Contents

General principles and practical skills for harvesting a medical history.

The surgical history and documentation.

Basic physical evaluation skills, oriented for a surgical approach to the patient.

Basic principles of data interpretation (laboratory, radiology) in relation with the clinical evaluation

## Detailed program

- General principles for harvesting a medical history, with age and patient specific approach (e.g. children, old adults, healthy female evaluation...). The surgical history and documentation.
- Basic physical evaluation skills, oriented for a surgical approach to the patient.
- Principles of clinical data interpretation (laboratory, radiology). Basic principles for the evaluation of district-specific x-Ray and CT-scans.
- Reporting and storing medical history and findings for electronic charting / database.
- The symptoms and manifestation of disease in general surgery
- Examination of the abdomen
- Examination of heart and thorax from a surgical prospective
- Multidisciplinary examination of the groin
- Principles of urological examination
- Examination of the breast
- Examination of skin lesion and lumps, examination of both traumatic and surgical scars, burns, flaps and grafts.
- Examination of the pudendum and vagina
- Examination of the penis and scrotum
- General principles of the orthopedic examination: generic joint examination, focus on the examination of the single joint, peculiar features of the hand, spine. Clinical gait and limp examination.
- Focused examination in vascular surgery: the carotid artery, clinical features and examination of aortic aneurysm, arterial and venous examination of upper and lower limbs. Evaluation and examination of ulcers.
- Clinical evaluation in head and neck surgery, focused examination of the ear, nose and throat. Focused examination of neck and thyroid.
- The oral and maxillofacial evaluation: basic principles and features.
- Basic principles of a neurosurgery focused global and focal neurological examination.

The evaluation of the traumatic patient: the minor trauma, body check; the major trauma, focus on the standard (ATLS) Trauma-Team evaluation.

## Prerequisites

Pre-clinical block (anatomy, biochemistry, physiology...) successfully passed

## Teaching form

Clerkship program, with rotation in small groups (about max 10 students) in surgical specialties, general practitioner and in the emergency department:

- PBL / CBL
- Practice sessions with puppets or among students/teachers
- Attending Out- and Inpatients hospital wards

Attending general practitioner wards

## Textbook and teaching resource

Physical Examination for Surgeons: An Aid to the MRCS OSCE. Petrut Gogalniceanu, James Pegrum, William Lynn. Cambridge University Press; 1st edition. ISBN-10: 1107625548; ISBN-13: 978-1107625549.

Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice. Courtney M. Townsend, R. Daniel Beauchamp, B. Mark Evers. Elsevier LTD, Oxford; 20th edition. ISBN-10: 0323299873; ISBN-13: 978-0323299879

**Physical Examination of the Spine and Extremities. Stanley Hoppenfeld. Pearson Ed, 2013. ISBN-10: 1292026626, ISBN-13: 978-1292026626**

## Semester

second term

## Assessment method

Ongoing tests after each PBL/PCL:

- Short essay (eventually also in groups)
- Practical tests/maneuvers
- Short paper/composition in relation to problems treated with PBL/PCL
- Multiple choice tests

Final test:

- Multiple choice tests
- Practical tests/maneuvers

- Collection of the single short papers/compositions
  
- Development of clinical skills is assessed by OSCE (Objective structured clinical examination). Each OSCE faces the student with a unique clinical case which will test particular skills such as history-taking, physical examination, practical tests/maneuvers, communication skills, test/data interpretation, medical decision-making. Each student receives feedback from the assessor as well as overall scores for each OSCE.

## **Office hours**

on appointment

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