



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

General Surgery

1819-2-H4102D015-H4102D046M

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

ccastelli@asst-pg23.it
