



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Technological Innovation in Surgery

2627-4-H4101D083

Aims

The aim of the course is to take the student to learn about newly acquired surgical methods and techniques, relating to the application of pharmacological aids, biomaterials, techniques of laparoscopic and robotic surgery.

Contents

Description of new surgical methods and techniques, both relevant to the applications of new devices and biomaterials. Historical notes of surgical techniques and their evolution. The relationship between surgery and interventional radiology. Integration with basic sciences.

Detailed program

Blood coagulation techniques.

Surgical sutures techniques.

Techniques of mini-invasive and robotic surgery.

Techniques of mechanical anastomosis.

Techniques of liver resection, liver hypertrophy.

Interventional radiology session.

Prerequisites

Medical students at 4th year and over

Teaching form

Lectures. Demonstrations in surgical rooms. Lessons will be provided in presence

Textbook and teaching resource

Lecture notes.

Semester

Second semester

Assessment method

Final discussion, based on the attendance to the course

Office hours

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Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION
