UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Evidence and Clinical Research

2223-1-F8203B045-F8203B033M

Learning objectives

To make the student able to interact with the medicine doctor in the preparation of clinical studies. For this, it is necessary that the student knows the decision making process of the MD, both in clinical practice and in managing medical literature.

Contents

The lessons start examining the historical process which began in the middle of last century and that brought medicine and surgery to be divided in over 50 specialties. The reasons for this process are examined and the actual subdivision of every specialty in restricted fields of interest is analyzed.

Then the various phases of the medical process are analyzed in detail: history, objective examination, laboratory and instrumental tests, therapy, rehabilitation, prognosis.

For every student one issue of literature medicine is chosen for a detailied exposition. Critical points of the literature are highlighted.

Each point of the medical literature is examined in detail: introduction, state of the art, materials and methods, inclusion and exclusion criteria, results, tables, discussion, need for further studies, conflicts of interest, bibliography.

Detailed program

The following issues will be treated:

- Medical specialties
- Surgical specialties
- Anamnesis
- Surgical anamnesis
- Pharmacological anamnesis
- Familiar anamnesis
- Job anamnesis
- Allergies
- Symptomatology
- Objective examination
- Laboratory tests
- Radiological examinations
- Endoscopic examinations
- Other instrumental examinations
- Medical therapy
- Surgical therapy
- Prognosis
- Rehabilitation
- Medical litterature
- Introduction
- Materials and methods
- Results
- Tables
- Discussion
- Conflicts of interest
- Bibliography
- Gastroenterology
- Diseases of the esophagus
- Diseases of the stomach and the duodenum
- Diseases of the small intestine
- Diseases of the colon
- Intestinal microbiota
- Drugs in gastroenterology
- Hepatology
- Viral liver diseases
- Chronic hepatitis
- Liver cirrhosis
- Liver decompensation
- Hepatocellular carcinoma
- Diseases of the pancreas
- Alcohol as risk factor
- Alcohol use disorders
- Alcohol-related diseases
- Alcoholism
- Alcohol as carcinogenic factor

Various aspects of medical literature will be analyzed according to students' interest

Prerequisites

No formal prerequisite requested

Teaching methods

Lectures with continuous discussion with the students who will have to prepare a seminar on a topic chosen by them.

Assessment methods

Oral examination. This examination method is the one that best allows to verify the acquisition by the student of the ability to understand the nature of the diagnostic and/or therapeutic questions that the doctor has to face, as this is of basic importance for the correct use of the statistical methodology in relation to the different types of clinical problems and for the optimization of the interaction between doctor and biostatistician.

During the Covid-19 emergency period, the oral exam will be carried out through telematic mode using the WebEx platform. The oral exam link will be shared on the course page through the e-learning platform.

Textbooks and Reading Materials

Ad hoc materials will be made available during course

Semester

I semester, I and II cycles

Teaching language

Italian

English is the language for reading and exposing medical literature

Sustainable Development Goals

QUALITY EDUCATION