



UNIVERSITÀ
degli STUDI
di CATANIA

DEPARTMENT OF GENERAL SURGERY AND MEDICAL-
SURGICAL SPECIALTIES
Master's Degree in Medicine and Surgery
Academic Year 2021/2022 - 3° Year

PATOLOGIA GENERALE ED IMMUNOLOGIA - channel 2

MED/04 - 7 CFU - 1° Semester

Teaching Staff

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LEARNING OBJECTIVES

Provide all the scientific informations in the field of general pathology suitable for the preparation of the student for those materials which will be used after the completion of training

COURSE STRUCTURE

lessons as per calendar

DETAILED COURSE CONTENT

-General concepts of Immunology

-Antigene and antibody

-Innate and acquired immunity

-The complement

-Cells of immunological system

-The cytokines

-Major Histocompatibility Complex

-The diseases of the immune system: hypersensitivity reactions; autoimmunity; immunodeficiencies;

- Immunity and infections
- Immunity and cancer
- The transplants
- The Blood groups
- The Immunological laboratory
- Principles of the Oncology
- The neoplastic cell
- The metabolism of the cancer cell
- Difference between benign and malignant tumor
- The metastases
- Virus oncogenes
- Viral Oncogenesis
- Chemical Cancerogenesis
- Cancer therapies

TEXTBOOK INFORMATION

Pontieri: Patologia Generale

Robbins: Patologia Generale

Rubin: Patologia generale
