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# FISIOLOGIA MICROBIOLOGIA PATOLOGIA GENERALE

7 CFU - 2° Semester

## Teaching Staff

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## DETAILED COURSE CONTENT

### ▪ General Pathology

**Introduction to General Pathology with detailed study of the causes of diseases, cellular pathology, inflammation, immunology, oncology**

### ▪ Microbiology and Clinical Microbiology

**General Microbiology:** Introduction to morphology and structure of bacteria, viruses, fungi, protozoa and helminths. General classification of bacteria: families, genera. General Classification of viruses, fungi, protozoa and helminths. Reproduction of bacteria and fungi. Viral replication. Sterilization and disinfection. Principles of anti-microbial chemotherapy. Basics on immune response to infection. Active and passive immunization. Routes of infection. Sampling.

**BACTERIOLOGY:** lactobacilli; *Mobiluncus*; *Neisseriae*; *Mycoplasma*; *Chlamydia*; streptococci; *Escherichia coli*; *Proteus*; *Gardnerella*; *Bacteroides*; *Veillonella*; *Prevotella*; Peptostreptococci.

**VIROLOGY:** Herpesviridae; Orthomyxoviridae; Paramyxoviridae; Picornaviridae; Adenoviridae; retroviridae; Papillomaviridae; Rubella; viral hepatitis; Parvovirus B19.

**MYCOLOGY:** Gender Candida; *Saccharomyces C* .

Parasitology: *Toxoplasma gondii*; *trichomonas*; *pinworms*

Clinical Microbiology: AGENT etiologic, PATHOGENESIS, SYMPTOMS, DIAGNOSTIC SYSTEMS AND STREAMS, PREVENTION AND THERAPY: Vaginitis; vaginosis; TORCH; HPV.

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## TEXTBOOK INFORMATION

- **General Pathology**

**Pontieri: Patologia Generale- (testo per professioni sanitarie)**

- **Microbiology and Clinical Microbiology**

1. Antonelli, Clementi, Pozzi, Rossolini : **Principi di Microbiologia medica** - Ed. Ambrosiana
  2. La Placa : **Principi di Microbiologia Medica** - Ed. Esculapio
  3. Jawetz, Melnick, Adelberg's: **Microbiologia medica** - Ed. Piccin
  4. Sherris: **Microbiologia Clinica**, Ed. EMSI
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