



MEDICINA DI LABORATORIO E DIAGNOSTICA INTEGRATA Nuovo canale 2

6 CFU - 1° Semester

Teaching Staff

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DETAILED COURSE CONTENT

- **Clinical Pathology**
 - Medicine of laboratory of anemia**

 - Cardiac Markers of heart attack**

 - Dislipidemie and laboratory data**

 - Diabetes and dosing of blood sugar levels**

 - Exam blood count**

 - Laboratory pregnant**

 - Laboratory and gastrointestinal diseases**

-Laboratory and diseases of the endocrine system

-Cancer markers

-Exam CSF

-Coagulation and study of defects

-Techniques and methodologies applied to laboratory medicine

▪ Clinical microbiology

- The micro-organisms which cause infection and disease: concept of pathogenicity and virulence, host situations predisposing to infections
- Elements of Microbiological Diagnosis: direct and indirect tests: isolation of micro-organisms and viruses. detection and dosage of antibodies
- Choosing of the most suitable samples for diagnosis.
- Principles, aims and interpretation of the Antibiogramma. MIC, MBC.
- Elements of Virological Diagnosis: direct and indirect tests. Viral isolation, selection of most suitable samples and methods to preserve and keep them
- infections of the eye and laboratory diagnosis methods
- Infections of the CNS and laboratory diagnosis methods
- Infections of the upper and lower respiratory tract and diagnostic considerations.
- Infections of the cardiovascular and laboratory diagnosis methods
- Diagnosis of infectious gastroenteritis and toxic food infections
- diagnosis of urinary tract infections • Infections in pregnancy: diagnosis of infection from the mother
- Sexually transmitted infections and laboratory diagnosis method
- infection of the skin, soft tissue and laboratory diagnosis methods
- Microbiological control of hospital infections
- infections in the immunocompromised patient

TEXTBOOK INFORMATION

▪ Clinical Pathology

Bergamini e Altri: Medicina di laboratorio

▪ Clinical microbiology

1 ROBERTO CEVENINI : MICROBIOLOGIA CLINICA

2 P. R. MURRAY : MICROBIOLOGIA MEDICA
