



IGIENE ED IGIENE OSPEDALIERA E MALATTIE INFETTIVE - channel 1

6 CFU - 1° Semester

Teaching Staff

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LEARNING OBJECTIVES

- **Hygiene**
Hygiene

The course aims to raise awareness of the epidemiology and prevention strategies of the main infectious diseases; epidemiology and prevention strategies of the main chronic-degenerative diseases. Know the principles and issues related to the correct hygiene practices in the hospital. The course aims to raise awareness of the epidemiology and prevention strategies of the main infectious diseases. To know the epidemiology and prevention strategies of the main chronic-degenerative diseases.

- **MALATTIE INFETTIVE**

The aims are:

- Extended knowledge of the most important Infectious Diseases viral, bacterial, fungal, protozoan on a aetiopathogenic basis

- Organization of a diagnostic pathway on a clinical, instrumental, laboratory basis
- Knowledge of therapeutic aspects of Infectious diseases drugs with main reference to antibiotics management

COURSE STRUCTURE

- **Hygiene**
Lectures
- **Hospital Hygiene**
Lectures

DETAILED COURSE CONTENT

- **Hygiene**

- **Hygiene**

Principles of demography and health statistics. Sources of demographic and epidemiological data. Demographic indicators. Indicators of mortality and morbidity. Indicators of quality of life.

Principles of epidemiological methodology. The measures in epidemiology. The epidemiological studies: descriptive epidemiology; analytical epidemiology; experimental epidemiology. The causal relationship in epidemiology.

General principles of the epidemiology of chronic diseases and disabilities. The necessary causes and the sufficient causes. Risk factors and protective factors. Causes and factors of the physical environment and of the social environment. Lifestyles and health. Frequency of chronic diseases and other harmful events in the population.

Methodology for the prevention and health promotion. Objectives and methods of prevention (primary, secondary and tertiary prevention).

The prevention of infectious diseases. Primary prevention of infection. Breaking the chains of transmission. Interventions for the discovery and inactivation of the sources of infection. Active and passive immunoprophylaxis. Chemoprophylaxis..

Prevention of chronic diseases and of disabilities. Primary, secondary and tertiary prevention.

Principles of health education. Health and health promotion. Methods and models of communication. Strategies for health promotion. Health promotion in the Ottawa Charter.

Epidemiology and prevention of major chronic diseases. Cardiovascular diseases, malignant tumors, diabetes, chronic obstructive pulmonary disease.

Health promotion and disease prevention at different stages of life. Preconception, prenatal and neonatal prevention. Health needs in children and adolescents. Health needs in adulthood. Promotion of health in the elderly.

Environment and health. Environmental factors as determinants of health and disease.

Health organization. The National Health Service in Italy: the central, regional and local levels.

- **Hospital Hygiene**

- Principles of risk management
- Hospital environment: microclimate; physical, chemical and infectious risks
- Hospital wastes management
- Epidemiology and prevention of healthcare-associated infections

- **MALATTIE INFETTIVE**

Basic elements of clinical microbiology and pathogenesis of infectious diseases (direct or immune mediated mechanisms), geographic and social impact, modes of transmission, clinical features, diagnostic and therapeutic pathways

TEXTBOOK INFORMATION

- **Hygiene**

- **Hygiene**

Testo consigliato. Igiene per le professioni sanitarie di C. Meloni

Casa Editrice Ambrosiana.

- **Hospital Hygiene**

Suggested book. Igiene per le professioni sanitarie di C. Meloni. Casa Editrice Ambrosiana

- **MALATTIE INFETTIVE**

Manuale di Malattie Infettive; Autore: Borgia - Gaeta - Angarano - Concia - Contini - AAVV , Editore: Idelson - Gnocchi , Edizione: Marzo/2015 , Volume: Unico

Malattie infettive di Moroni - Antinori - Vullo Anno 2015 Editore: Masson
