

COURSE OF MEDICINE AND SURGERY

Student Handbook a.y. 2015-2016

SYSTEMIC PATHOLOGY III

IV year	Scientific Field	DISCIPLINE	TUTOR
	MED/17	<i>Infectious Diseases</i>	Andreoni Massimo
Prof. Massimo Andreoni Coordinator	MED/17	<i>Infectious Diseases</i>	Volpi Antonio
	MED/17	<i>Infectious Diseases</i>	Sarmati Loredana
	MED/15	<i>Hematology</i>	Buccisano Francesco
	MED/15	<i>Hematology</i>	Venditti Adriano
	MED/15	<i>Hematology</i>	Voso Maria Teresa
	MED/09	<i>Allergology & Clinical Immunology</i>	Perricone Roberto
	MED/09	<i>Allergology & Clinical Immunology</i>	Greco Elisabetta
	MED/16	<i>Rheumatology</i>	Perricone Roberto
	MED/16	<i>Rheumatology</i>	Greco Elisabetta

Specific aims

The course aims to provide updated information on Infectious Diseases most frequently found in such a way that the student is able to know: 1) the major infectious syndromes; 2) diseases due to major infectious agents; 3) infections in hospitalized patients and in the compromised host; 4) the diagnostic methods; 5) the principles of antimicrobial therapy. As for Hematology, the course will provide students with up-to-date knowledge of the normal hematopoiesis functioning. Aetiology of blood diseases will be also addressed combined with practical guide to their diagnosis and principles of treatment. Although the course will focus on haematological oncology which represents the major workload for hematologists, the most frequent benign conditions will be discussed. As for Allergology, Clinical Immunology and Rheumatology, we offer the students appropriate knowledge for an optimal approach to the patient and for optimal interactions with different specialists.

PROGRAM

Infectious Diseases

Clinical syndromes: localized infections, sepsis and septic shock; Infective endocarditis; Acute infectious enteritis and food poisoning; Infectious hepatitis; Urinary tract infections; Osteomyelitis infectious; Meningitis and meningoencephalitis.

BACTERIAL DISEASES : Pneumococcal pneumonia; gram-negative aerobic bacteria pneumonia; anaerobic bacteria pneumonia; Mycoplasma infections. Pertussis. Diphtheria. Streptococcal infections and metastreptococcal pathology. Staphylococcal infections. Bacterial meningitis (meningococcal M., pneumococcal M., Haemophilus M.). Osteomyelitis. Clostridial diseases (tetanus, botulism, pseudomembranous colitis); Enteric infections (typhoid fever and other salmonellosis; Shigellosis, Cholera; enteritis by Campylobacter, Escherichia coli, Yersinia enterocolitica, Traveler's diarrhea). Anthrax. Actinomycosis. Brucellosis. Cat-scratch disease. Mycobacterial disease (extrapulmonary tuberculosis, leprosy). Spirochetal diseases (leptospirosis, Lyme disease). Chlamydial diseases (trachoma; Psittacosis Ornithosis). Rickettsial diseases (Boutonneuse fever and other arthropod-borne diseases; Q fever)

VIRAL DISEASES: Diseases of the respiratory system (common cold, pharyngitis, laryngitis, croup and bronchitis viral influenza epidemic). Infectious mononucleosis. Cytomegalovirus infection. Herpes simplex virus infection. Varicella-zoster virus infection. Measles. Rubella. Mumps. Viral gastroenteritis. Enterovirus diseases (pleurodynia epidemic; Myocarditis and pericarditis; mucocutaneous syndromes). Retroviral Diseases (HIV infection and related conditions). Overview of arbovirus diseases and infections by prions.

FUNGAL DISEASES: Candidiasis. Cryptococcosis. Pneumocystosis. Aspergillosis. Mycetoma

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PROGRAM Hematology

PROTOZOAL DISEASES: Malaria. Toxoplasmosis. Amebiasis. Leishmaniasis. Cryptosporidiosis. Trypanosomiasis. Giardiasis
 HELMINTHIC DISEASES: Infections with intestinal tapeworms (Taenia saginata, tapeworm solium) and tissue (echinococcosis). Trematode infections (Schistosomiasis). Intestinal nematode infections (Ancylostomiasis, ascariasis, Enterobiasis, Trichuriasis) and tissue (Filariasis)
 PRINCIPLES OF THERAPY: antibacterial, antiviral, antifungal and antiparasitic.

Hematopoietic and Lymphopoietic system. Disorders of red cells. Disorders of white blood cells. Acute myeloid leukemia. Acute lymphoid leukemia. Myelodysplastic syndromes. Chronic myeloid leukemia. Ph⁻ negative myeloproliferative disorders. Multiple Myeloma. Amyloidosis. Chronic lymphocytic leukemia. Hodgkin lymphoma. Non Hodgkin lymphoma. Normal hemostasis. Platelet and bleeding disorders.

PROGRAM Allergology

Allergy and pseudoallergy. Bronchial asthma. Allergic oculorhinitis. Food allergy. Drugs allergy. Atopic dermatitis. Urticaria-angioedema syndrome. Insect sting allergy. Anaphylaxis. Principles of treatment of allergic diseases. Pathogen immune reactions. Immunodeficiencies. Complement deficiencies. Interactions with other specialists. Principles of treatment of immunological diseases. Up to date of good news in the literature.
 Immune tolerance and autoimmunity. The mosaic of autoimmunity. Connective tissue diseases and vasculitides: SLE; Scleroderma; Dermatomyositis and polymyositis; Vasculitides; Sjogren's syndrome; Overlap syndromes; MCTD; APS. Principles of treatment of rheumatic diseases. Update of good news in the literature.

Textbooks

HARRISON'S Principles of Internal Medicine. McGraw-Hill; Slides from lessons.

EXAM METHOD

Oral exam takes place in every session scheduled by the CCL. The exam Commission is normally composed of one lecturer for each main subject area present in the Integrated Course. There are no practical exams.

EXAM COMMISSION

Andreoni Massimo	Perricone Roberto	
Volpi Antonio	Greco Elisabetta	
Sarmati Loredana		
Buccisano Francesco		
Venditti Adriano		
Voso Maria Teresa		



Tutor		
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