



ANATOMIA PATOLOGICA - channel 3

MED/08 - 5 CFU - 2° Semester

Teaching Staff

LUCIA SALVATORELLI

Email: lucia.salvatorelli@unict.it

Office: U.O.C Anatomia Patologica, Dipartimento G.F. Ingrassia, via S.Sofia 87

Phone: 095 378 2138

Office Hours: 11,00-12,00

LEARNING OBJECTIVES

Knowledge of the morphological and molecular features, nosological classification and differential diagnosis of the main diseases.

Knowledge of early diagnosis, prognostic and predictive factors of neoplastic diseases.

COURSE STRUCTURE

Frontal teaching

DETAILED COURSE CONTENT

Histological diagnosis

Tissue biopsy; management of biopsy sampling; preparation of histological slides; intraoperative examination

Diagnostic cytology Indications for cytological examination; type of cytology exam (e.g. FNA) ; preparation of cytological slides.

Molecular and ultrastructural pathology Enzymatic histochemistry; immunohistochemistry; main molecular biology techniques.

Inflammation and pathology of the immune system

Acute, chronic and granulomatous inflammation; autoimmune diseases; rejection in transplants.

Disorders of cell differentiation Concepts of hypertrophy and hyperplasia; metaplasia; dysplasia; carcinoma in situ; microinvasive carcinoma; invasive carcinoma; histological classification of tumors

(carcinomas, sarcomas, leukemia, lymphomas, melanoma and tumors of the central nervous system).

Cardiovascular disease Heart: cardiomyopathies; ischemic heart disease (angina pectoris, myocardial infarction and sudden cardiac death). Cardiac neoplasia (mixoma, rhabdomyoma); Vessels: vasculitis; atherosclerosis; aneurysms; aortic dissection; benign and malignant tumors of the vessels (hemangioma, lymphangioma, glomus tumor, Kaposi's sarcoma, angiosarcoma).

Respiratory disorders Lung: atelectasis; emphysema, chronic bronchitis; pulmonary fibrosis (idiopathic pulmonary fibrosis, nonspecific interstitial pneumonia, desquamative interstitial pneumonia); sarcoidosis; pneumonia; neoplasms (adenocarcinoma, squamous carcinoma, small cell carcinoma, large cell carcinoma, neuroendocrine tumors) Pleura: primitive neoplasms (mesothelioma and solitary fibrous tumor) and secondary tumors. Pleural, inflammatory and neoplastic effusions.

Blood and lymphatic system disorders Lymph nodes: nonspecific and special lymphadenitis; lymphomas: clinical classification, morphological classification and immunohistochemistry. Spleen: splenomegaly; neoplasms. Thymus: thymic hyperplasia; thymic neoplasms.

Thyroid disorder. The thyroid nodule: diagnostic, validity and limits of cytological aspiration. Thyroiditis: etiology, natural history and morphological pictures. Hyperthyroidism (thyrotoxicosis): Graves' disease- Basedow and toxic adenoma. Diffuse toxic goiter and multinodular: correlations with clinical manifestations and complications. Thyroid neoplasms: epidemiology, natural history, morphological pictures and prognostic factors. Medullary thyroid cancer and syndromes multiple endocrine neoplasia (MEN).

TEXTBOOK INFORMATION

Robbins - Cotran "Le basi patologiche delle malattia" 9a edizione Elsevier

Gallo - D'Amati Anatomia Patologica - La sistematica" UTET
