ANATOMIC PATHOLOGY part 1 NODbis
(ongoing test)

REGRESSIVE PROCESSES

Cell adaptation and damage
Atrophy
Turbid degeneration
Vacuolar degeneration
Jalinosis and Statosis
Amiloydosis
Glycogenosid
Necrosis types and classification: coagulative, colliquative, enzymatic, caseous, gommous, fibrinoid, steatonecrosis, gangrene
Apoptosis
Pathologi pigmentations

ALTERATIONS OF BLOOD FLOW

Anemia
Stasis in the lungs, spleen and liver
Hamorrhage: pathogenesis, terminology
Thrombosis: patogenesis. Arterial, venous and endocardic thrombosis; evolution of thrombi
Embolism
Infarct: causes, evolution, consequences; pathological features in the lung, heart, brain, kidney and spleen

NON SPECIFIC INFLAMMATION

Acute and chronic inflammation, diffuse and circumscribed inflammation, granulomas
Etiology
Reparative processe

SPECIFIC INFLAMMATION

TB
Lue
Sarcoidosis
Actinomycosis

PROLIFERATIVE PROCESSES

Physiologic and pathologic proliferation
Hypertrophy
Hyperplasia
Metaplasia: epithelial and mesenchymal
Displasia: etiology, morphology, grading, evolution
Neoplasms: histogenesis; epithelial, lymphoid, neural and mesenchymal tumours. Etiology, biologic behaviour, macro- and microscopic features, grading and staging, dissemination and metastases.

TECHNICAL NOTES ON CYTOLOGY, HISTOLOGY, HISTOCHEMISTRY, IMMUNOHISTOCHEMISTRY, MOLECULAR HYBRIDIZATION, ELECTRON MICROSCOPY: general applications and contribution to the diagnosis

CARDIOVASCULAR SYSTEM

Aterosclerosis: etiology, morphology of elementary and complicated lesions
Morphological patterns in angina, unstable angina, myocardial infarction, sudden coronary death
Vasculitides: morphological patterns
Aneurisms: classification, etiopathogenesis, morphology and complications
Dissecting Aneurism: predisposing factor, natural history, morphology and complications.
Ischaemic myocardiopathy: morphology, evolution and complications.
Myocardial hypertrophy and heart failure.
Cardiomyopathies: morphological features; the role of myocardial biopsy.
Endocarditis
Myocarditis
Morphological features of valvular stenosi and insufficiency
Pericariditis and pericardial effusions.
Heart tumours

CONGENITAL ABNORMALITIES

Epidemiology, embyology and morphology

RESPIRATORY SYSTEM

LUNG

Congenital anomalies
Blood flow disturbancies: oedema, thrombosis, embolism, infarct.
Atelestasia and emphysema: etiopathogenesis and morphology
Chronic obstructive pneumopathy: pathogenesis and morphology.
Lobar pneumonia, bronchopneumonia, lung abscess: etio-pathogenesis, morphology and complications.
Restrictive pneumopathies and interstitial pneumonias.
Tuberculosis and sarcoidosis: pathogenesis and morphology.
Pneumoconiosis: pathogenesis and morphology
Primary and metastatic lung tumours: pathogenesis, morphology, evolution and complications, grading and staging, Paraneoplastic syndromes and endocrine lung tumours.

PLEURA

Pleural effusions: definitions, pathogenesisi and morphology.
Pleuritis: pathogenesis and morphology
Primary and secondary tumours: pathogensis and morphology.

SUGGESTED TEXTBOOKS

Wheater: Essential histopathology (2003)

Kumar – Abbas – Fausto - Aster: Robbins & Cotran – Pathological bases of disease. Vol. 1&2, 9th Ed.