



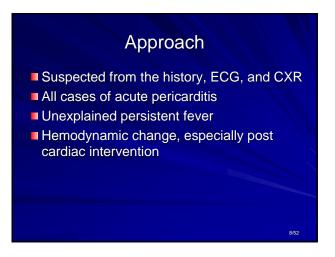
# Pericardial Effusion Acute pericarditis or in association with a variety of systemic disorders Nearly every pericardial disease can develop effusion

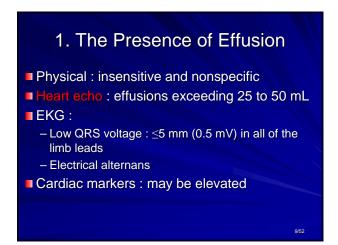
# Etiology Acute idiopathic or viral pericarditis Purulent pericarditis Tuberculous pericarditis Post-MI or cardiac surgery Sharp or blunt chest trauma HIV infection Malignancy Autoimmune disease Selected drugs

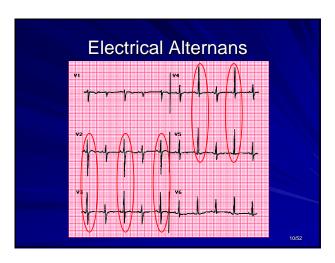
#### Cause of Pericardial Disease Idiopathic Infections A. Viral - Coxsackievirus, echovirus, adenovirus, EBV, influenza, varicella, rubella, HIV, hepatitis B, mumps, parvovirus B19, vaccina (smallpox vaccination) B. Bacterial - Staphylococcus, Streptococcus, Haemophilus, Neisseria, Chlamydia, Legionella, tuberculosis, Salmonella, Lyme disease C. Mycoplasma D. Fungal - Histoplasmosis, aspergillosis... E. Parasitic - Echinococcus, amebiasis, toxoplasmosis... F. Infective endocarditis with valve ring abscess

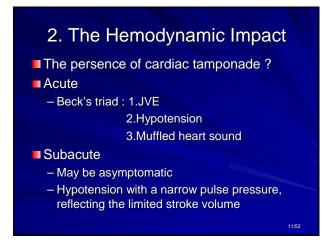
### Con't Radiation Neoplasm A. Metastatic B. Primary Cardiac Autoimmune A. Rheumatic diseases - lupus, rheumatoid arthritis, vasculitis, scleroderma, mixed connective disease B. Other - Wegener's granulomatosis, polyarteritis nodosa, sarcoidosis ...

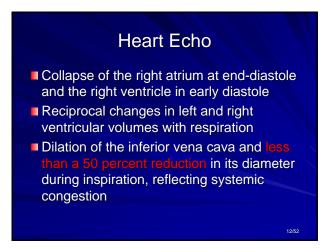
### Con't Drugs A. Procainamide, isoniazid, or hydralazine B. Other - cromolyn sodium, dantrolene, methysergide, anticoagulants, thrombolytics, phenytoin, penicillin, phenylbutazone, doxorubicin Metabolic A. Hypothyroidism - primarily pericardial effusion B. Uremia C. Ovarian hyperstimulation syndrome (OHSS)

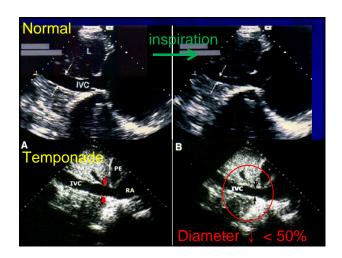




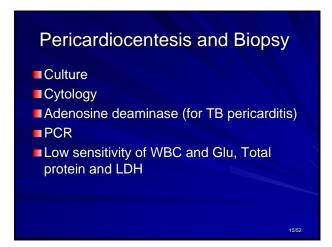




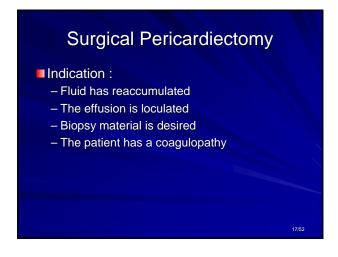


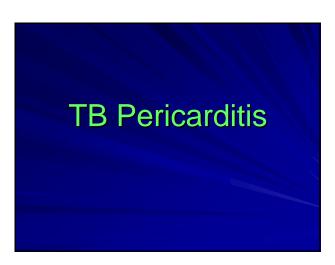


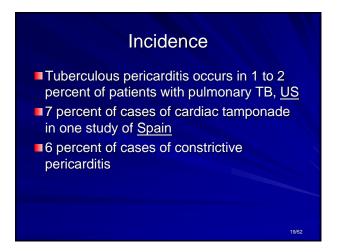


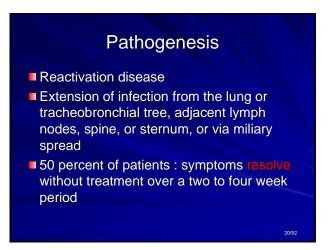












4 Stages

The dry stage
The effusive stage
The absorptive phase
The constrictive phase

Clinical Manifestations

Cough — 94 percent
Dyspnea — 88 percent
Chest pain — 76 percent
Night sweats — 56 percent
Orthopnea — 53 percent
Weight loss — 48 percent

Physical Findings

Fever
Tachycardia
Pleural dullness
Increased jugular venous pressure
Hepatomegaly
Ascites
Peripheral edema

CXR

Concurrent pulmonary TB is an inconsistent but potentially important finding in patients with tuberculous pericarditis

72 percent of 198 cases in one report

32 percent of 19 cases in another

