

Myocarditis
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Mural heart inflammation
- Due to infections, toxic or autoimmune
Infections

• Viral → Coxsackie, Influenza A & B, HIV, Adenovirus.

Bacteria → *Borrelia burgdorferi* (Lyme Disease),

Protozoa → *Trypanosoma Cruzi* (Chagas Disease),

Fungal → *Toxoplasma Gondii* (Cats),
Aspergilli.

Parasite → Schistosoma.

Drugs/Toxins

Alcohol, Cocaine, Lithium.

Autoimmune → SLE, RA, Sarcoidosis, Systemic Sclerosis.

Clinical Features

- ① Fulminant myocarditis → During viral illness.
- ② Acute myocarditis → ~~During~~ with heart failure.
- ③ Chronic active myocarditis → Usually associated with inflammation but rare.
- ④ Chronic persistent myocarditis → With myocardial infiltrates.

→ Good prognosis but patient may die due to arrhythmia and lead to chronic dilated myopathy.

Investigation ECG → E & May, Echo, Cardiac Biomarkers → ↑ Troponin, ↑ CK, ↑ LDH, ↑ Brain natriuretic peptide.

→ Biopsy in some cases.