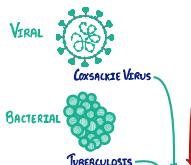


CAUSES OF ACUTE & CONstrictive Pericarditis

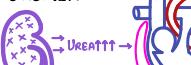
INFECTIOUS



POST-CARDIAC INJURY SYNDROME

- I) Post MI: Peri-Infarction Pericarditis → 1-3 Days Post MI → Dressler's Syndrome → 2 Wks - Months Post MI
- II) Post Pericardiectomy Syndrome: Iatrogenic → Any Open Heart Surgery / Traumatic → Stabbing

UREMIA

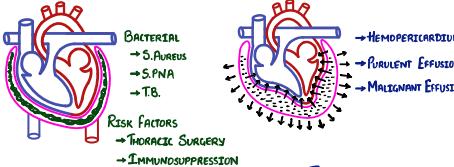


AUTOIMMUNE

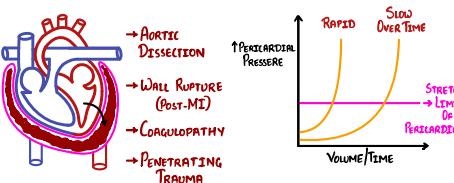


CAUSES OF P. EFFUSION & CARDIAC TAMPONADE

PURULENT EFFUSION

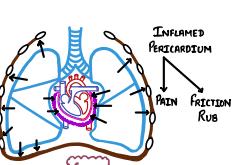


HEMOPERICARDIUM

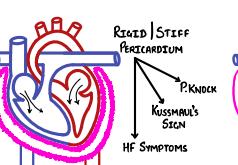


CLINICAL FEATURES & PHYSICAL EXAM

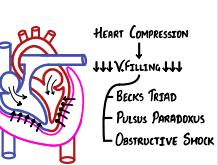
ACUTE PERICARDITIS



CONstrictive Pericarditis



CARDIAC TAMPONADE



DIAGNOSIS

ACUTE PERICARDITIS

DIAGNOSTIC CRITERIA

- Classic Type Of Chest Pain
- Pericardial Friction Rub
- Typical ECG Changes
- New Or Worsening Effusion

ECG CHANGES

- Diffuse ST↑
- PR Segment↓
- TU↑

ECHOCARDIOGRAPHY



CONstrictive Pericarditis

HEART SOUNDS

ECHOCARDIOGRAPHY

ECG CHANGES

JVP TRACING

PULSUS PARADOXUS

CT/MRI

CARDIAC CATHETERIZATION

VENTRICULAR PRESSURE CURVE

LVEDD=RVDEP

SQUARE ROOT SIGN

ANT.

Post.

Post.

ANT.

ECG CHANGES

ECG CHANGES

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

ECG CHANGES

ECG CHANGES

ECHOGRAPHY

ECHOGRAPHY

TREATMENT

ACUTE PERICARDITIS

INFLAMMATION

- NSAIDS → Cox Enzyme
- NSAIDS + Aspirin
- PPI OR H₂RA

RECURRENCE

- Colchicine → Microtubules of Neutrophils
- Add-on To NSAIDS
- Uremia → Dialysis
- Neoplasia → Chemo + Radiation
- Autoimmune → Immunosuppressants
- Hospitalise: Fever + WBC + Effusion +

CONstrictive Pericarditis

HEART FAILURE SYMPTOMS

- Fluid Restrict → Na+ Restrict
- Volume Overload → Diuresis

PERICARDIAL EFFUSION

PERICARDIOCENTESIS

- Acute Drainage
- Indications: Purulent Effusion, Malignant Effusion
- Gram Stain, Culture, Glucose, Protein, Cytology
- Prevents Recumulation
- Use Drain: US Guided, Open Surgery

CARDIAC TAMPOONADE

TREAT SHOCK

- IVF → Preload, Blood Volume
- IVF → Intubated, Use ↓ PEEP
- IVF → Vasopressors → ↑ SVR, ↓ N.E. → ↑ HR, ↑ Contractility
- Drain Pericardium: Acutely, Pericardial Window, Prevents Recumulation

NINJA NERD