

Evaluating the Paediatric Heart

Dr Mitchell

Paediatric Cardiology

Consider

- Congenital / Acquired?
- Cyanotic / Acyanotic?
- Significant / not?
 - Cyanotic?
 - Cardiomegaly?
 - CCF?
 - PHT?

i.e.: What does this child need?
How quickly must I refer?

Approach

- History
- Examination
- CXR
- ECG
- Bloods
- Heart sonar
- Cardiac catheterization

History

- Pregnancy: infections, illnesses, drugs, alcohol
- Birth: maturity, insult
- Family: other sibs, genetics, CHD
- Socio-economic
- Medical: admissions
- Symptoms: onset, duration
- Growth

Presenting Symptoms

- Cyanosis
- Oedema
- Respiratory distress
- Poor feeding
- Poor growth
- Chest pain
- Syncope

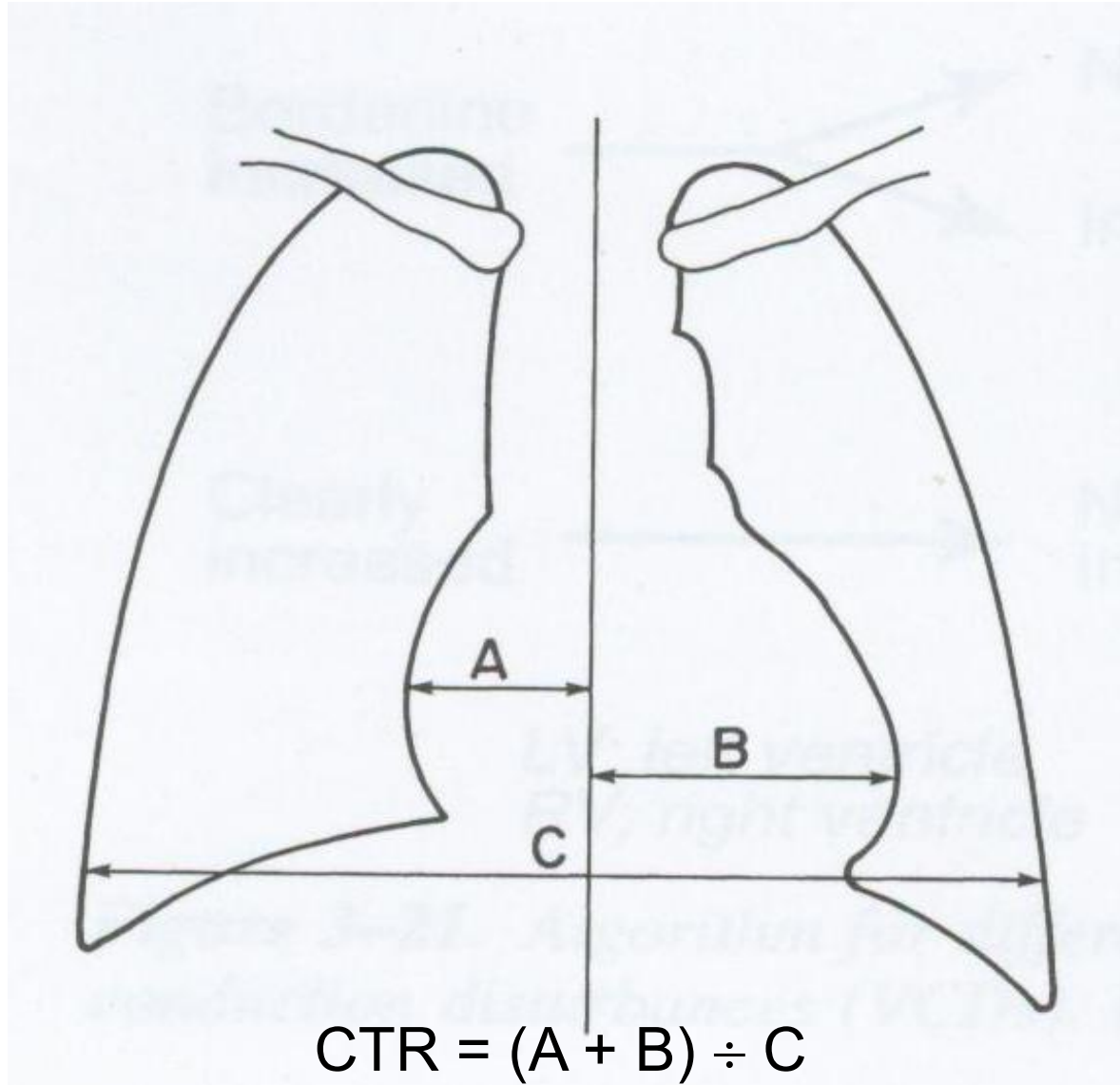


Examination

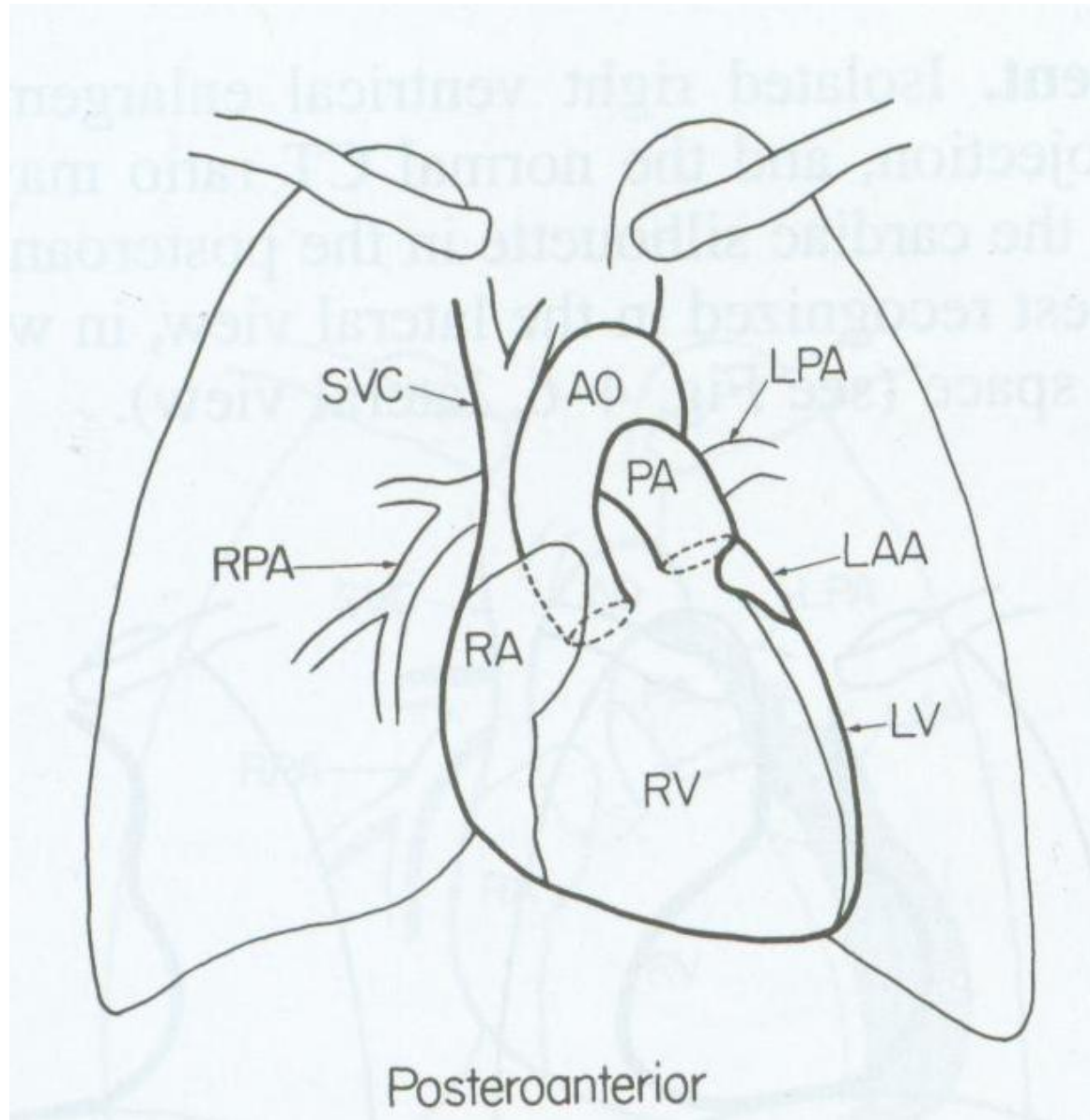
- General impression
- General examination
- Vitals
- Inspection
- Palpation
- Percussion
- Auscultation

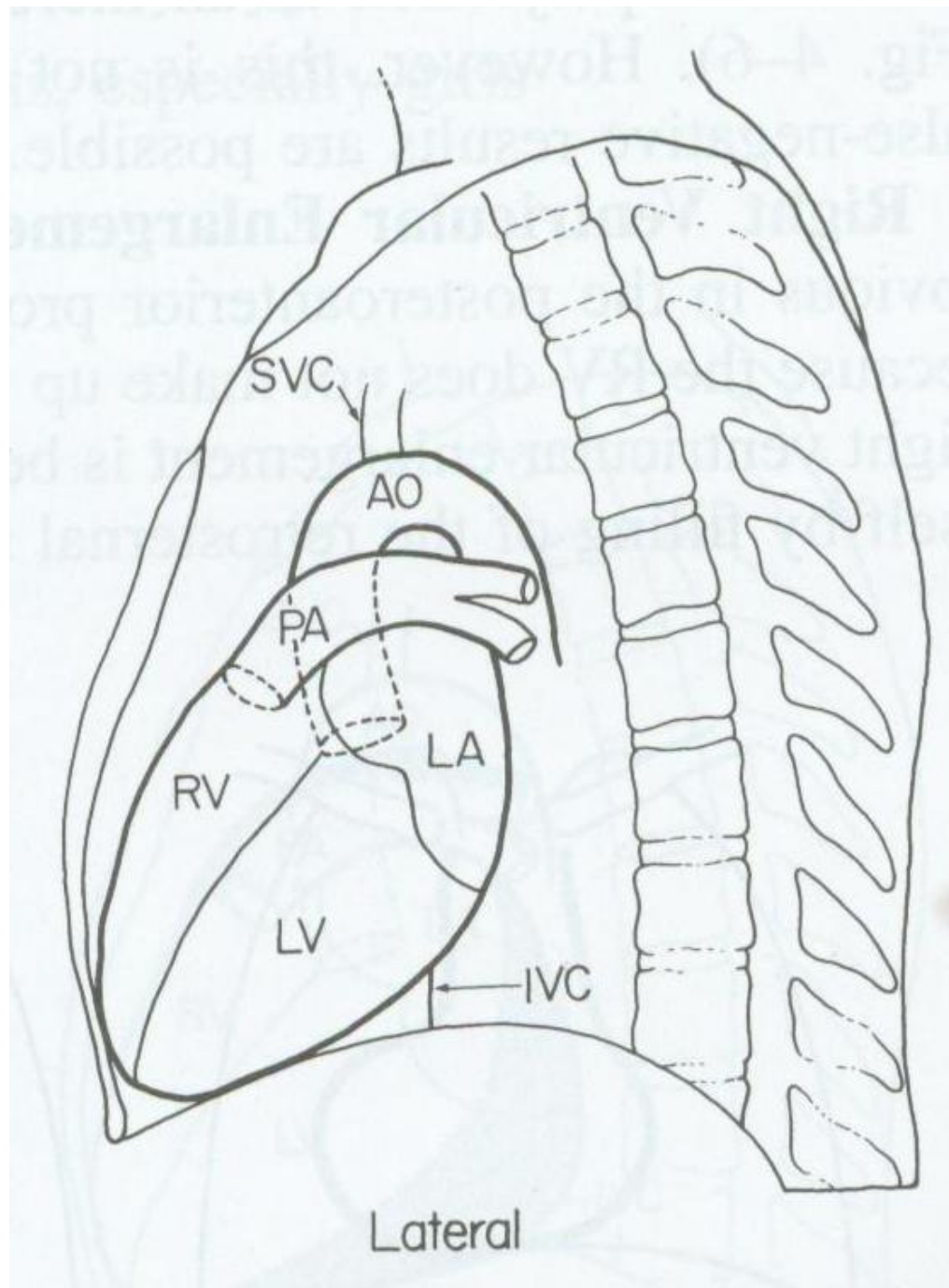


CXR



Normal Silhouette

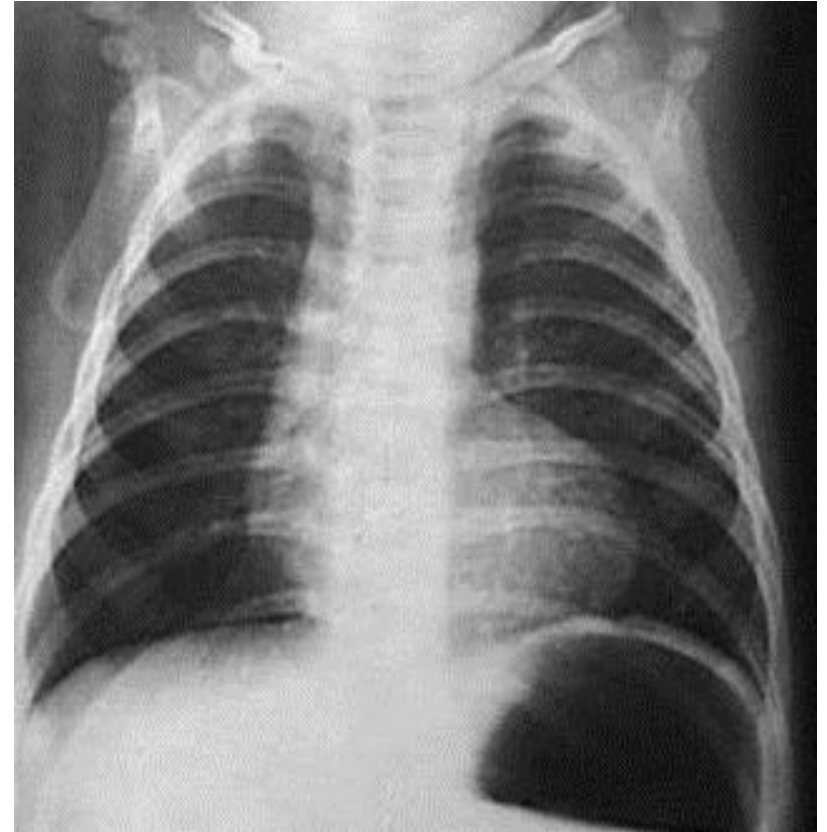
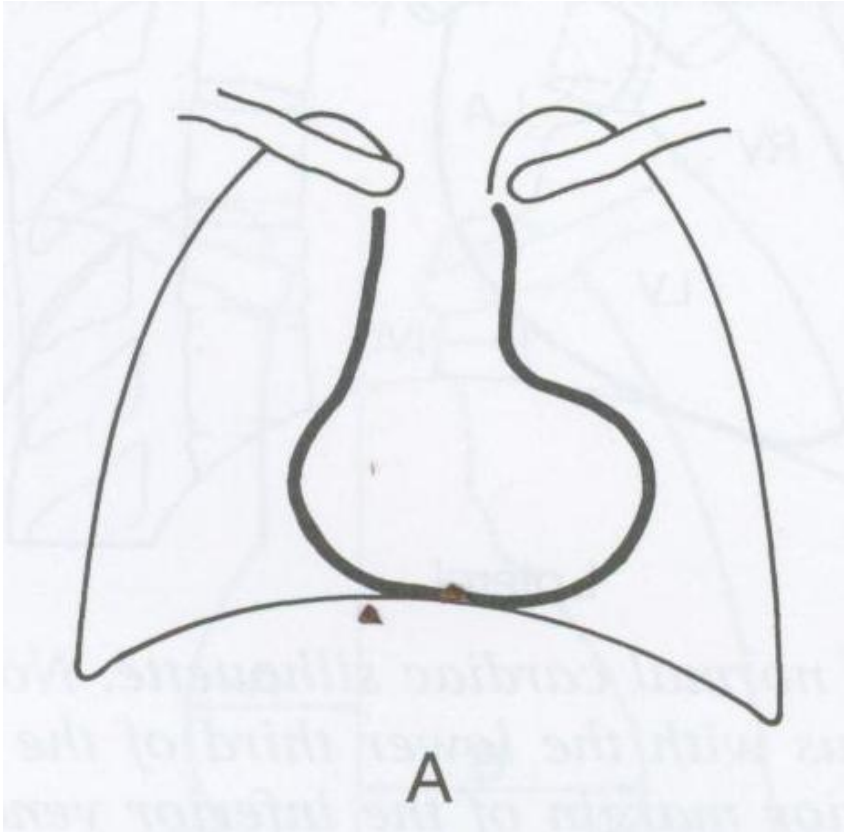




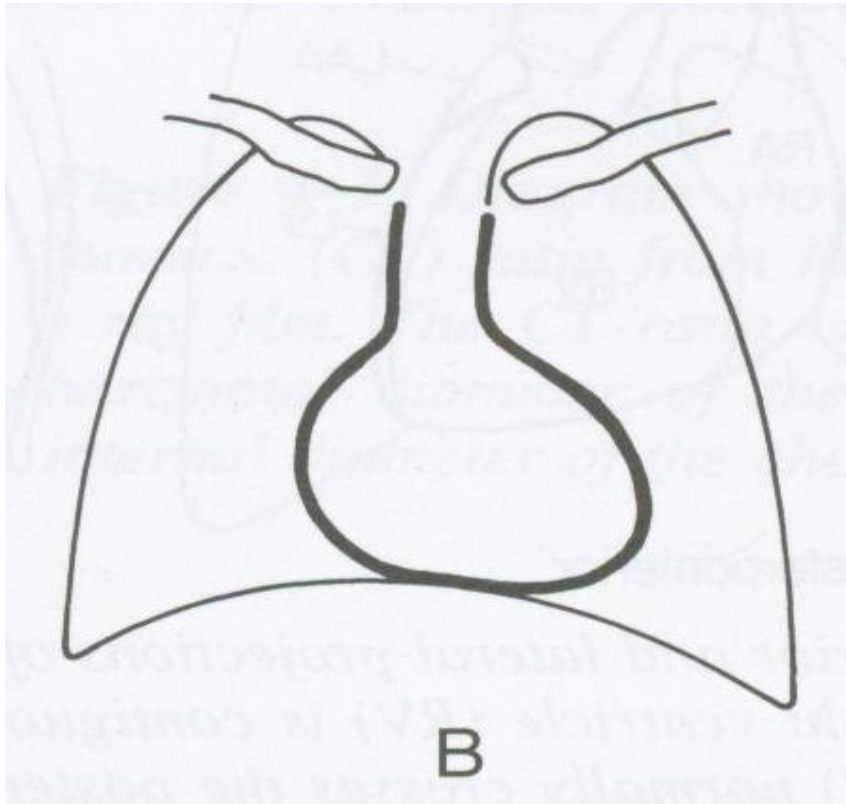
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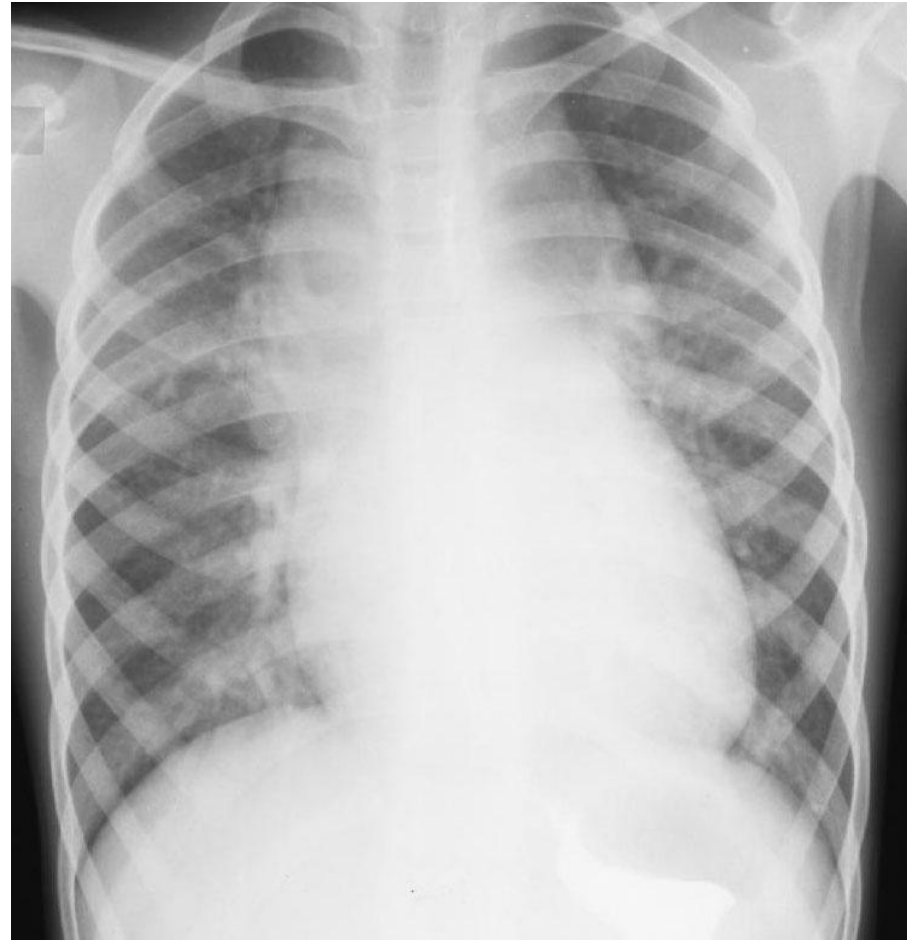
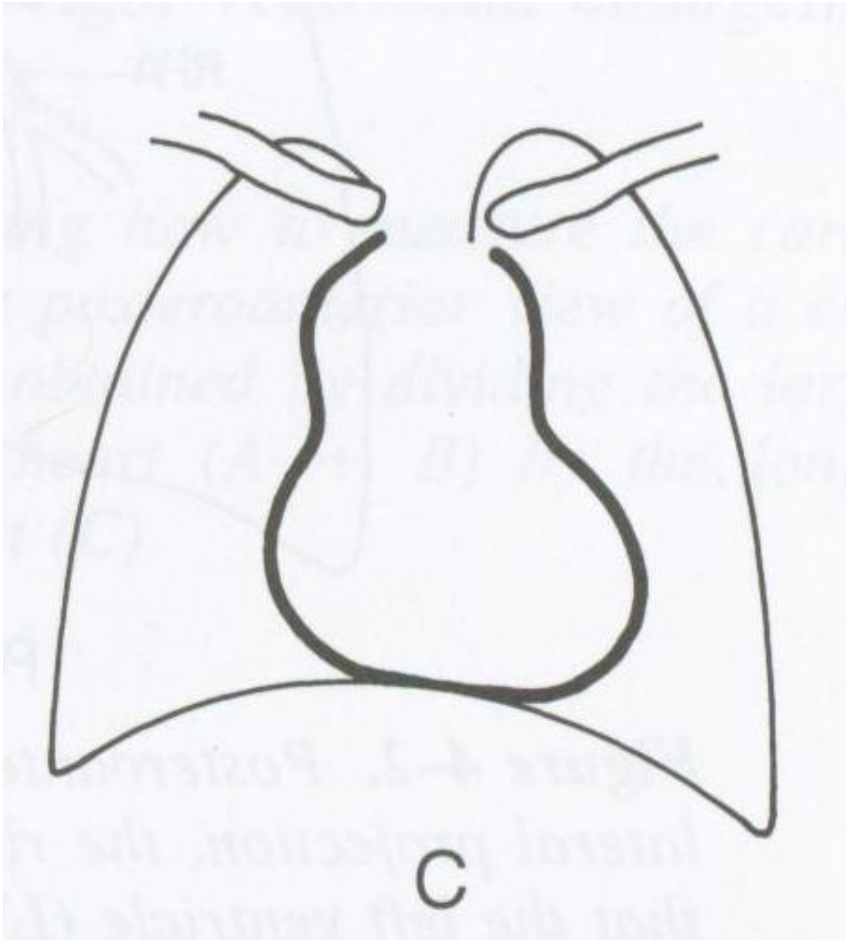
Boot-shaped heart



Egg-on-side Heart

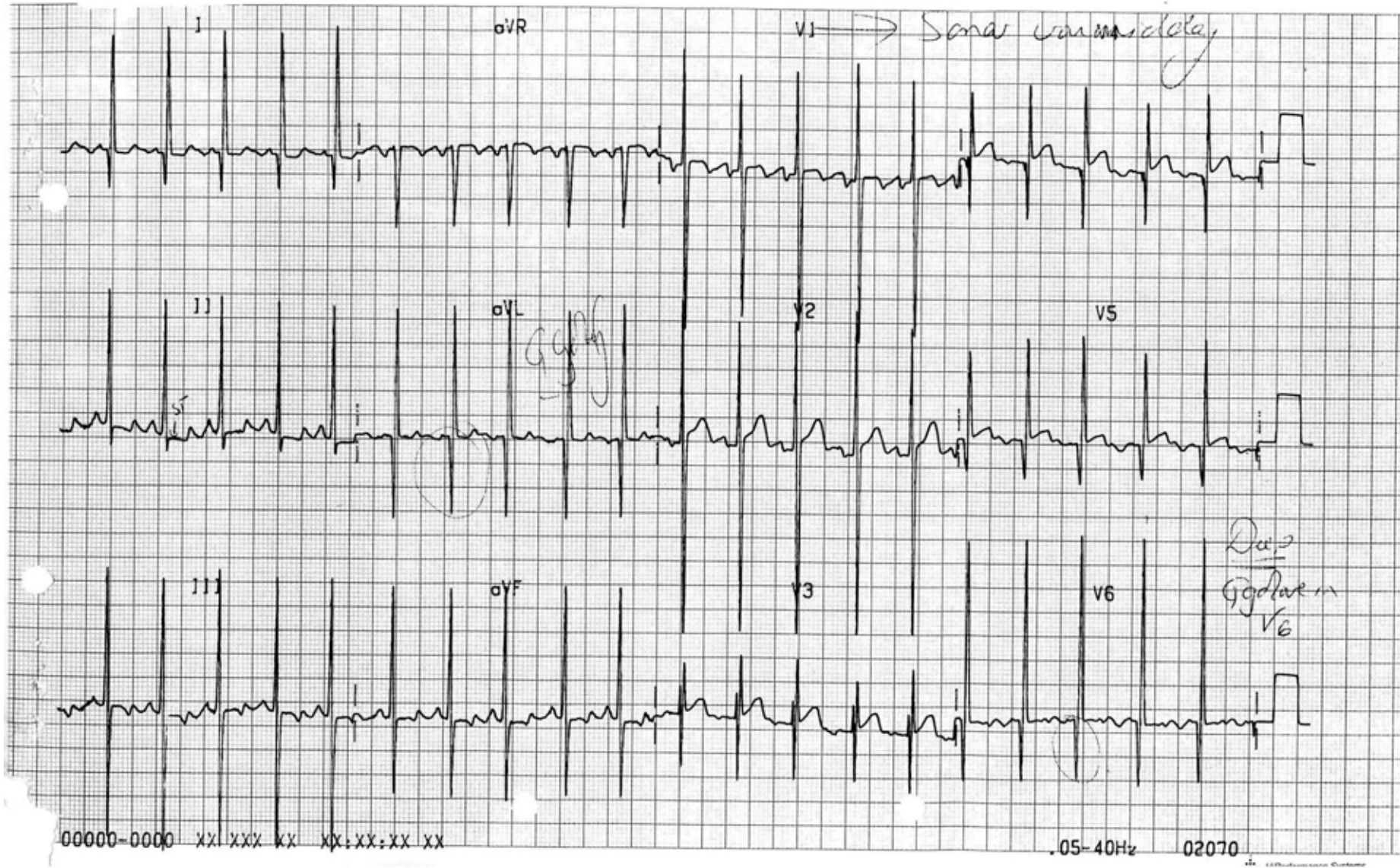


Snowman Heart

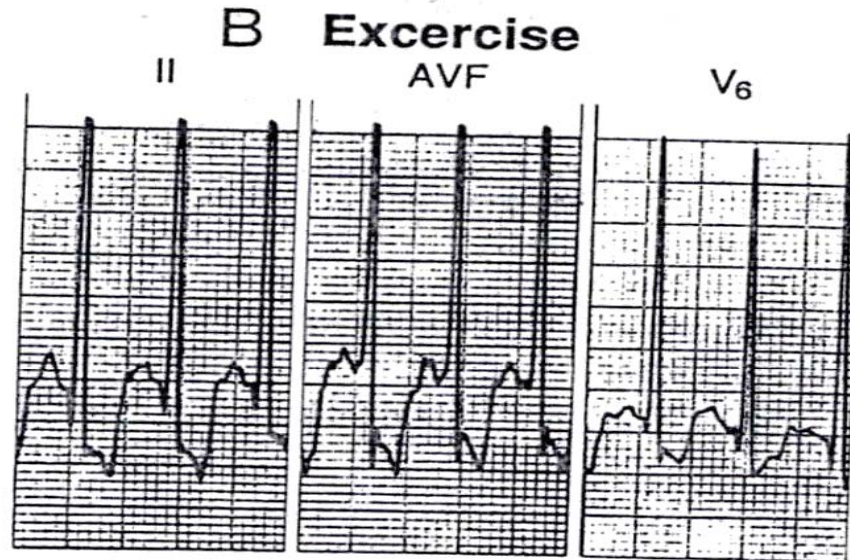
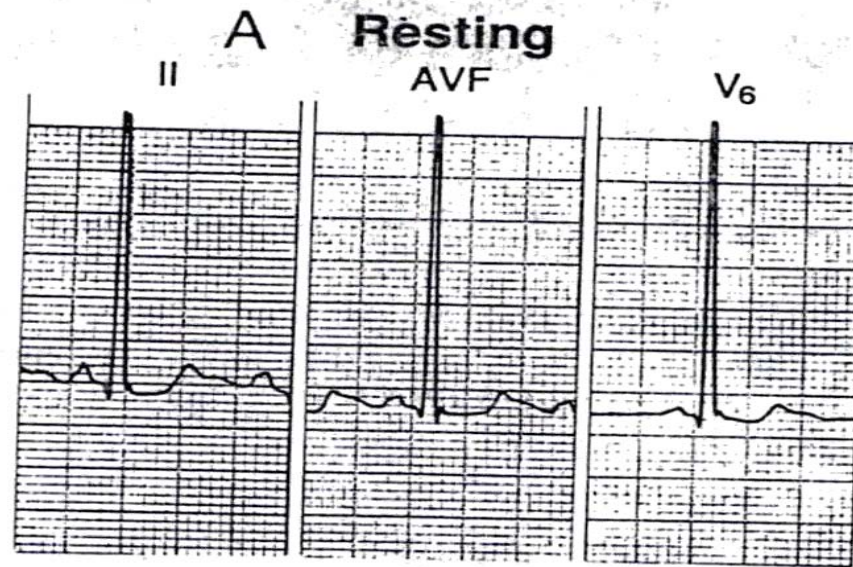


ECG

? Coron. Heronäre atene



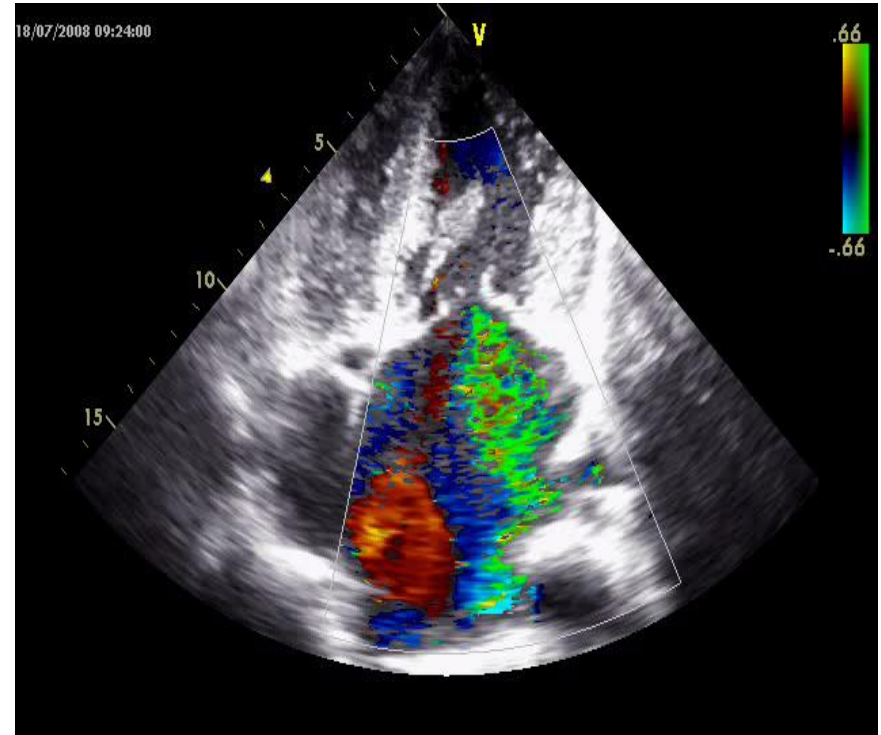
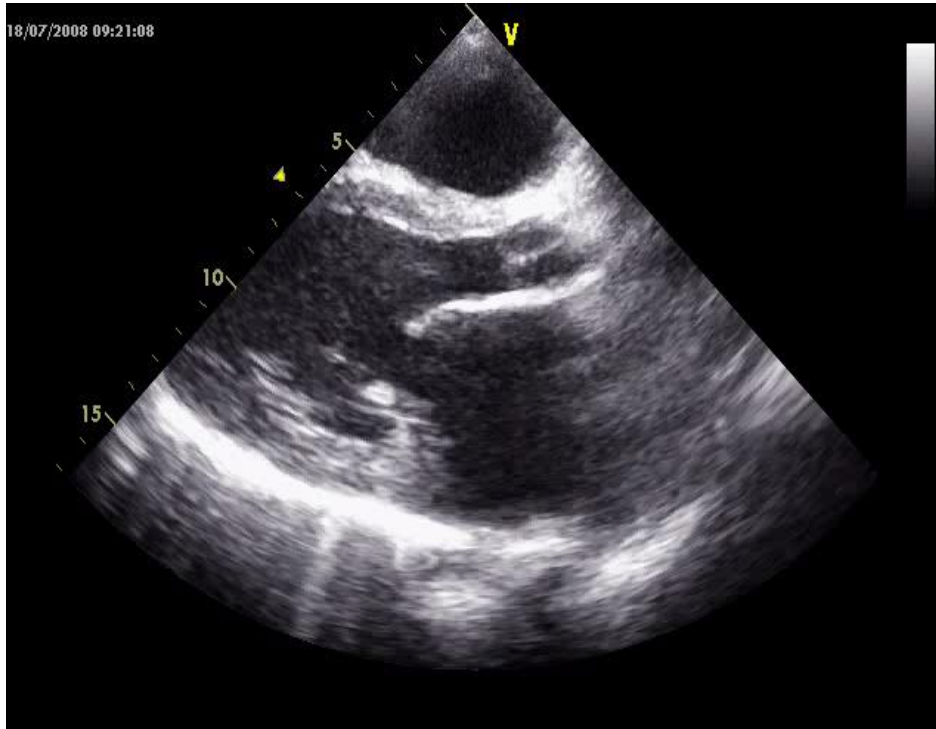
Stress ECG



Bloods

- Rheumatic fever
 - Infectivity markers
 - ASOT
- Infective endocarditis
 - Blood cultures x3
 - Infectivity markers
- CCF
 - U&E

Heart sonar



Cardiac Catheterization



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