

Patent Ductus Arteriosus.

- Ductus arteriosus connects the pulmonary to the aorta during the IUL.
- If it is persistent after birth it is called patent ductus arteriosus found especially in females.

Pathophysiology: Superior vena cava → FO (foramen ovale)

→ Umbilical Veins → Inferior Vena Cava → RA → RV

→ pulmonary artery → Ductus arteriosus → Aorta

- If it persists this produces R to L AV shunt as increase in pulmonary pressure after some time shunt reversed.

- Acyanotic to Cyanotic.

Clinical features:

→ Usually asymptomatic. dyspnea.

→ Continuous machinery murmur.

→ Enlargement of the pulmonary artery.

Investigation:

ECHO, ECG.