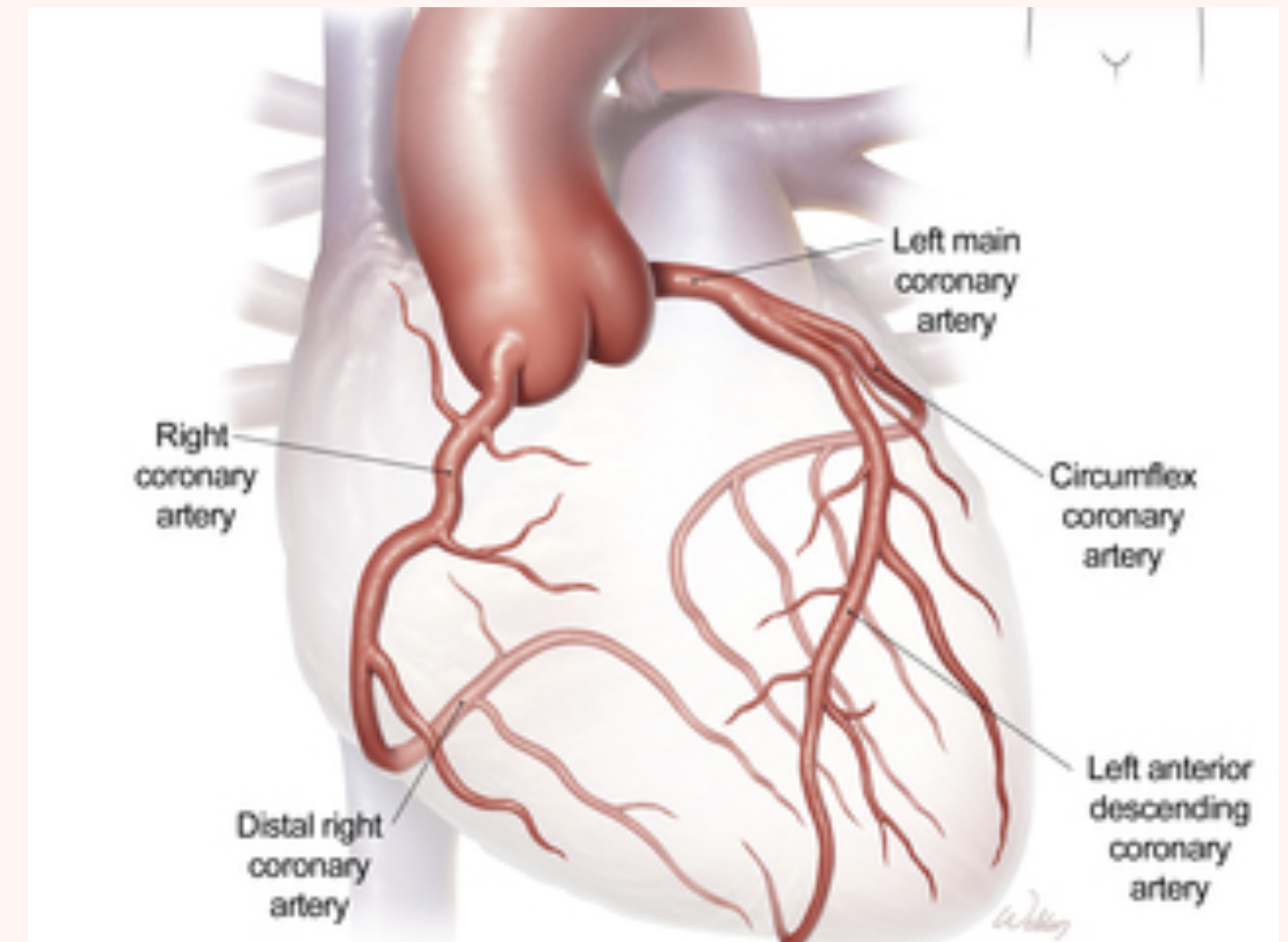


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# PERFUSION OF RV

- 80% Right dominant ie. RV supplied by RCA
- perfusion throughout cardiac cycle unlike LV
  - pHTN: increased intracavity pressure in systole
- RV stroke work 1/4 that of LV though CO same
  - Less susceptible to ischaemia



# SUMMARY OF LV VS RV

	Right ventricle	Left ventricle
Shape	Crescent	Ellipsoidal
Structure	Two layers of fibres	Three layers of fibres
Free wall thickness (mm)	1–5	8–10
Circulation	Low-pressure, low-resistance	High-pressure, high-resistance
Stroke volume (ml)	70–90	70–90
Ejection fraction (%)	65	70–80
Ventricular pressure (diastole; mm Hg)	0–8	4–12
Ventricular pressure (systole; mm Hg)	15–30	90–140
Afterload (dynes-s cm <sup>-5</sup> )	Pulmonary vascular resistance <250	Systemic vascular resistance 800–1200
Adaptation to disease	Tolerant of preload	Tolerant of afterload