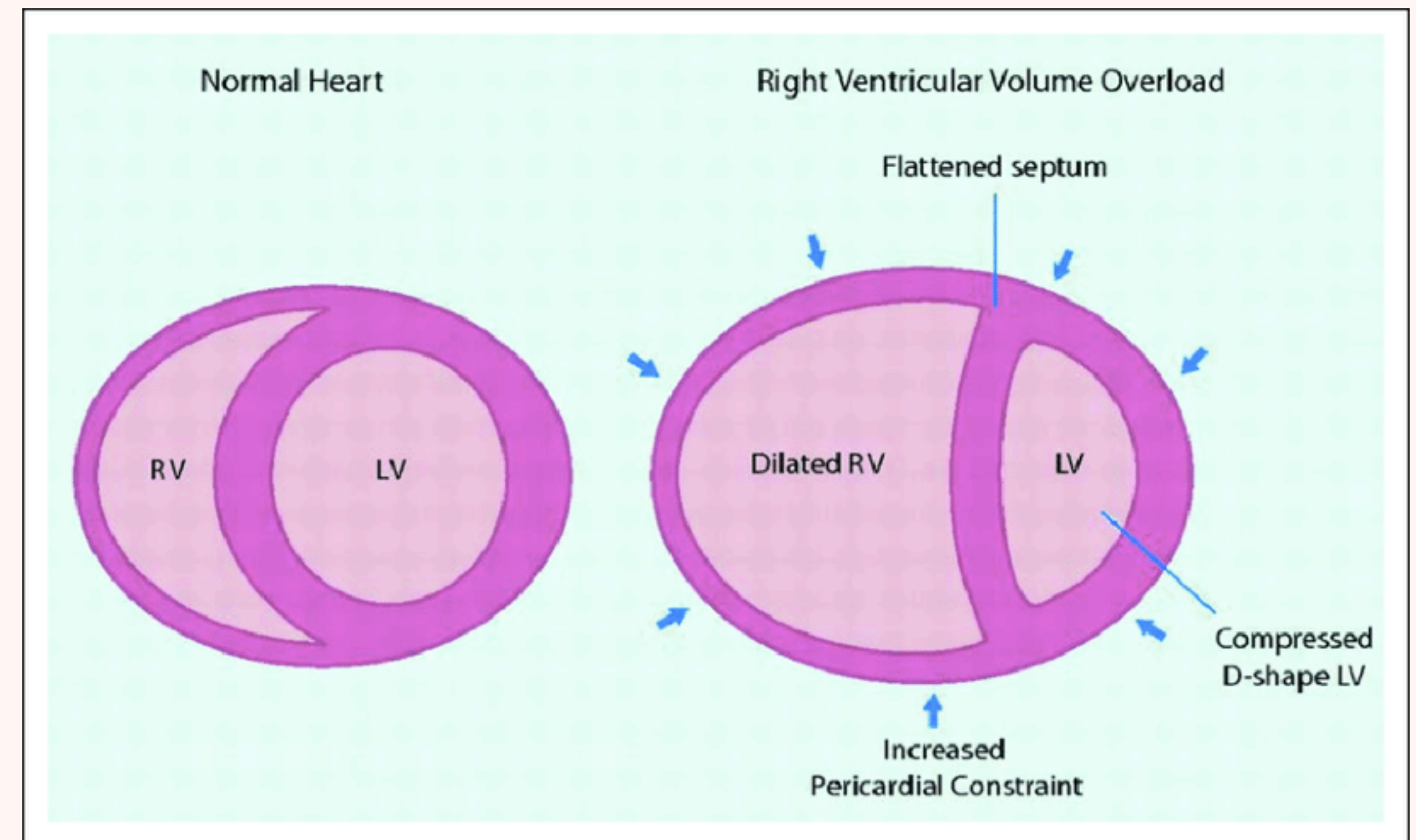


VENTRICULAR INTERDEPENDENCE

- the dysfunction of one secondary to the other
- relatively non distensible pericardial sac, shared septum
- in RV overload, septum is forced toward LV during diastole. distorts normal LV shape ('D shaped cavity'), reducing LV diastolic compliance and impairing LV filling
 - beware the apparently empty, well contracting LV - could be RV causing compression/underfilling
- similarly change in LV dynamics can affect RV



MECHANICAL VENTILATION

- rise in intrathoracic pressure impedes filling
- extra alveolar capillaries compressed - increasing afterload
- can lead to marked systolic pressure/SV variation mimicking hypovolaemia
- Overdistension of lung leads to increase in PVR

