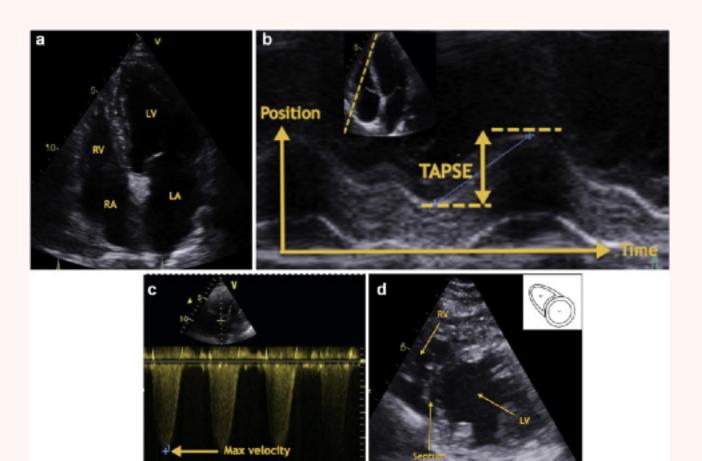
## TTE

TTE measurement	How to measure	Values
RV size	Two ways to determine:	Qualitative:
(Fig. 5a)	Qualitative comparison of the relative sizes of the RV	Mild dilation: RV >2/3 LV
	and LV. (The normal RV should be 2/3 the size of the	Moderate dilation: RV=LV
	LV, only if the LV size is NORMAL)	Severe dilation: RV larger than LV
	Diameter at the base, mid-level and length. If values	Diameter:
	higher than those given, RV dilatation present	Base >42 mm
		Mid-level >35 mm
		Length >83 mm
RV systolic function	Variety of parameters may be used. TAPSE is the most	Displacement of the annulus towards the apex during
(Fig. 5b)	common:	systole is indicative of systolic function
	'M-mode' cursor through the tricuspid annulus provides a graphical representation of annular	<17 mm=RV systolic dysfunction
DUCD	position against time	Normal DVCD: -2E man IIa
RVSP (Fig. 5c)	RVSP=4v <sup>2</sup> +CVP where v is velocity	Normal RVSP: <35 mm Hg
	Max velocity of the TR jet (highlighted in Fig. 5c) is converted to a trans-valvular pressure gradient with	
	Bernoulli's equation (p=4v <sup>2</sup> )	
Septal position	Visual assessment of ventricular septal position in	As the RV dilates, the ventricular septum will flatten
(Fig. 5d)	parasternal short axis view	and the LV will lose its characteristic circular shape
	In Fig. 5d, a parasternal short axis is shown. The LV,	and become D-shaped in cross-section (see Fig. 3)
	RV and interventricular septum are highlighted	Flattening in diastole only suggests volume overload
	it and interventicular septant are inginigricu	Flattening in systole and diastole suggests volume and pressure overload



## WHEN TO BE SUSPICIOUS

- pulmonary hypertension
- **LVF**
- COPD
- > PE
- ARDS

- Obesity/OSA
- > RV MI
- > CHD
- cardiac surgery
- **>** LVAD
- > Heart transplant