

# Right heart

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## 71 yrs, male

- Admitted in septic shock
- Secondary to pneumonia
- Persistent E coli bacteraemia
- Condition deteriorated despite IV antibiotics and haemodynamic support
- ECG—SR with 2<sup>nd</sup> degree AV block, widespread ST depression
- CT chest showed right atrial mass





## What do you think is going on?

1. Ventricular septal defect
2. Tricuspid vegetation
3. Left ventricular aneurysm
4. Septal infarct
5. Unsure



## Progress

- Emergency cardiac surgery
- Tricuspid valve replacement
- Ventricular septal defect repair
- Right atrial reconstruction
- IV antibiotics for at least six weeks

## VSD and endocarditis

- Known risk for congenital heart disease, recent registry data from Sweden suggests 20-30 x normal population  
*Berglund E et al, Heart 2016*
- Variety of case reports with variations of endocarditis causing infarct, then VSD, or infarct causing VSD then endocarditis
- Clinical scenario here suggests sepsis, secondary acute coronary syndrome, post-infarct VSD then development of endocarditis

