

Short axis cine – patient A



Viability

- 6-10 minutes post IV Gadolinium administration
- To assess the viability of the myocardium
- Performed in 2ch, 3ch, 4ch and SA views
- Single image with prospective gating
- Normal myocardium appears hypointense (black)
- Hyperintensity within myocardium = infarct
- Areas of constricting myocardium with no infarct may benefit from treatment

Myocardium viability

Patient A

- Same patient – 48 year old Male

Patient B – normal

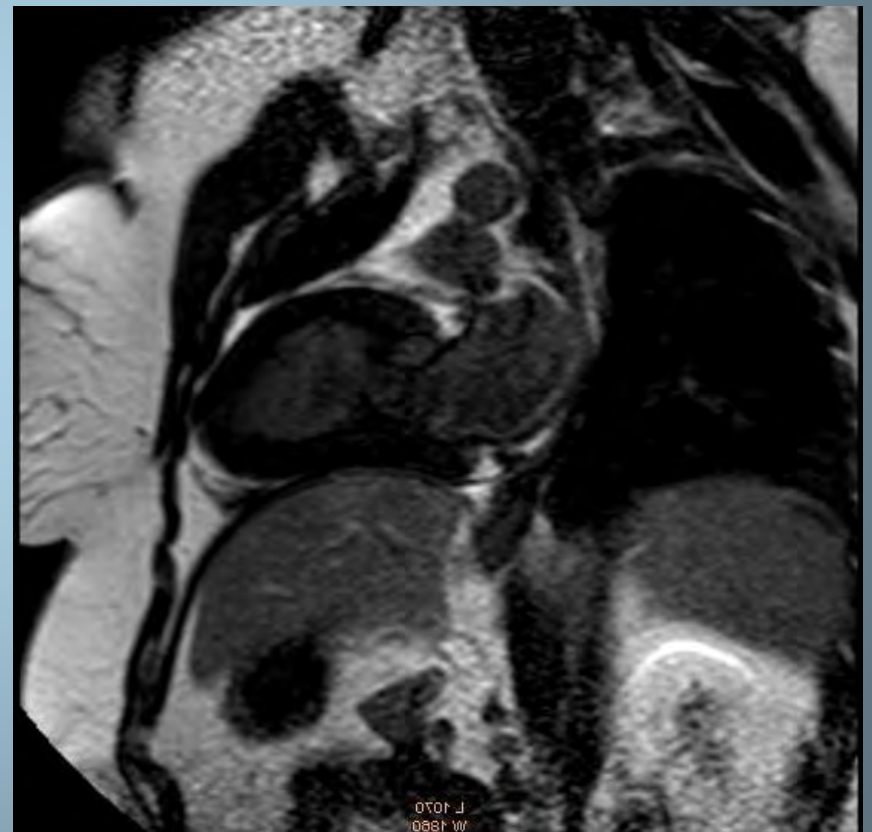
- 31 Year old Female with abnormal EEG

2ch viability

Patient A

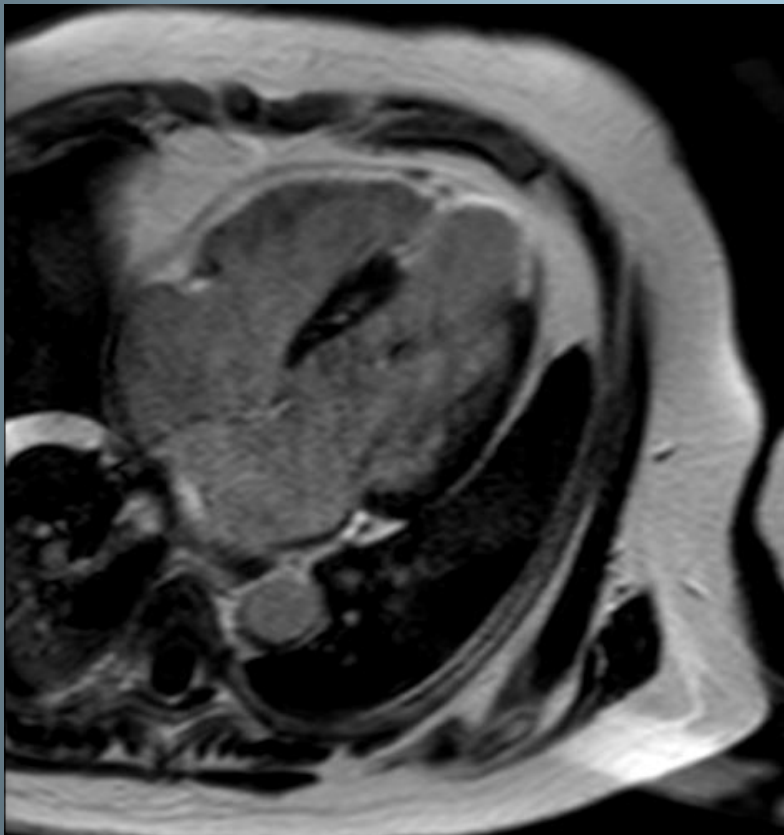


Patient B - normal



4ch viability

Patient A

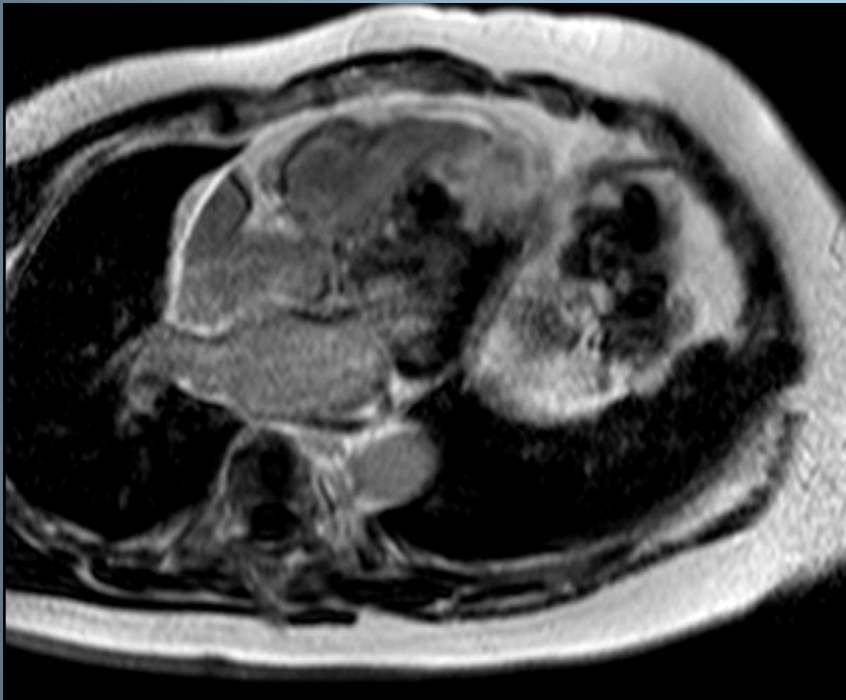


Patient B - normal

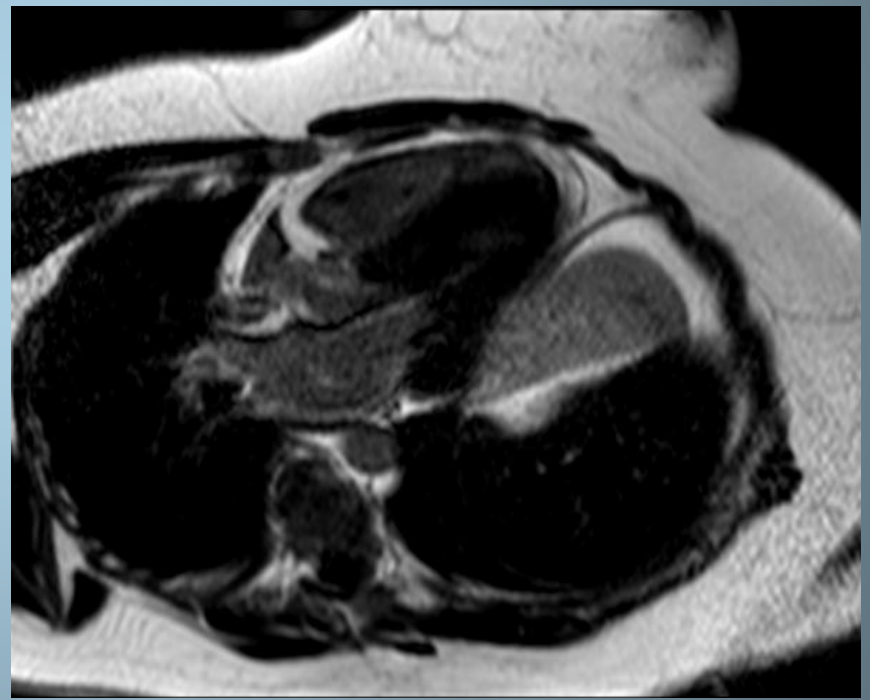


3ch viability

Patient A

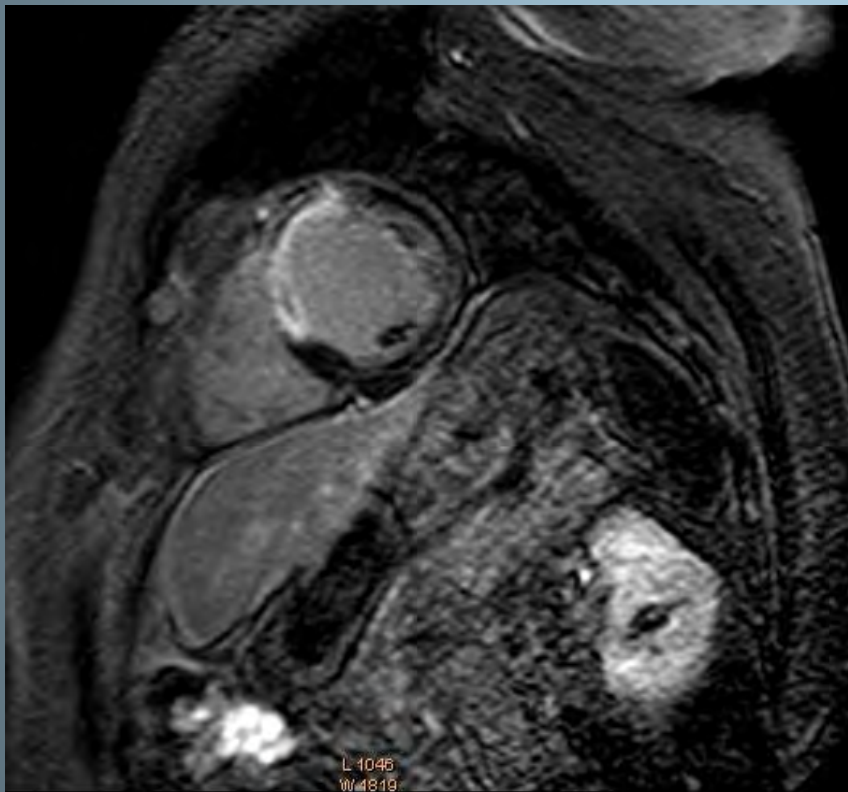


Patient B - normal

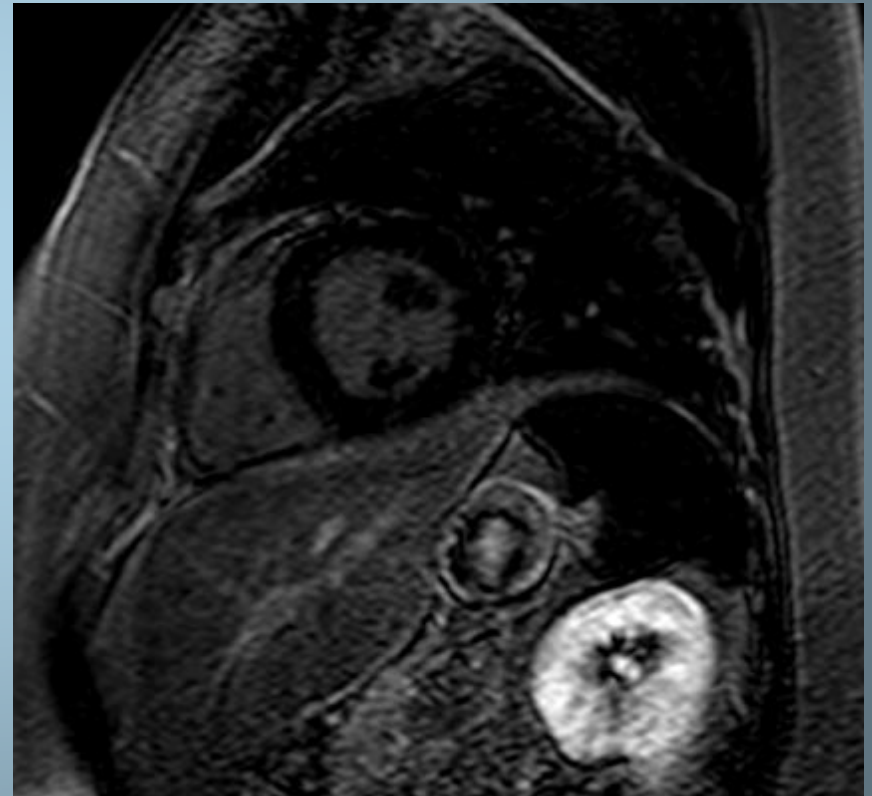


SA viability

Patient A

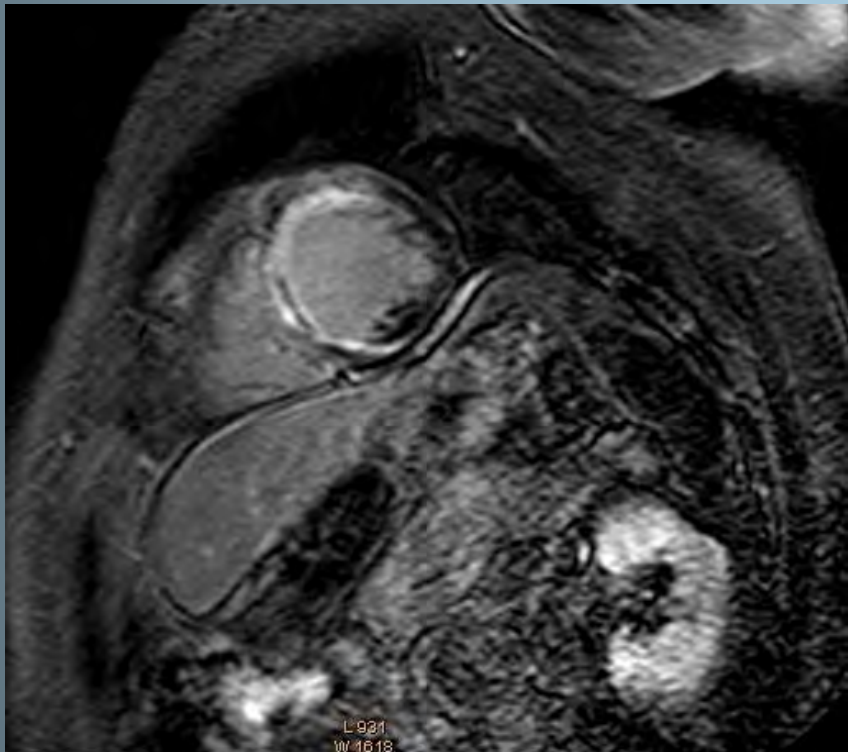


Patient B - normal

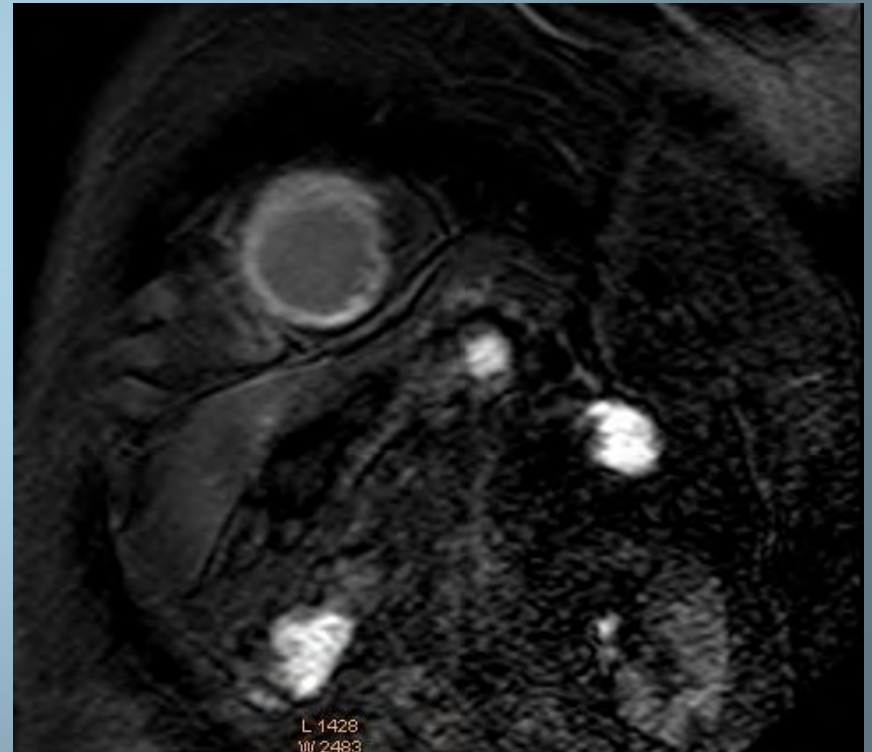


SA viability

Patient A - mid ventricle



Patient A - towards apex



Primary cardiac tumours

Malignant

- Sarcomas -varied
- Desmoplastic small round cell tumours
- Metastases

Benign

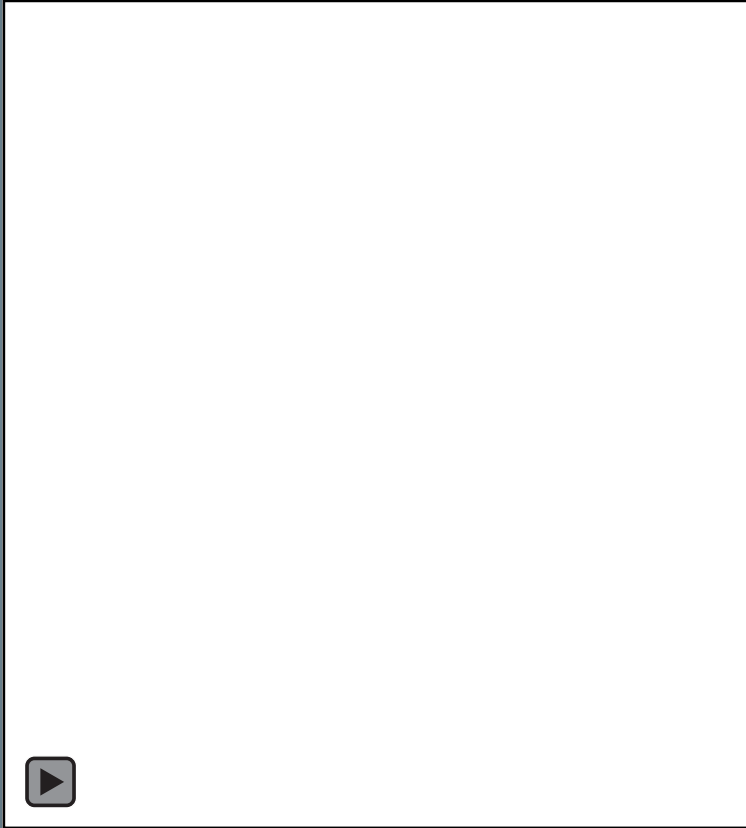
- Myxoma
- Lipoma
- Cystic tumour
- Fibromas
- Valvular tumours – papillary fibroelastomas

Case study 2

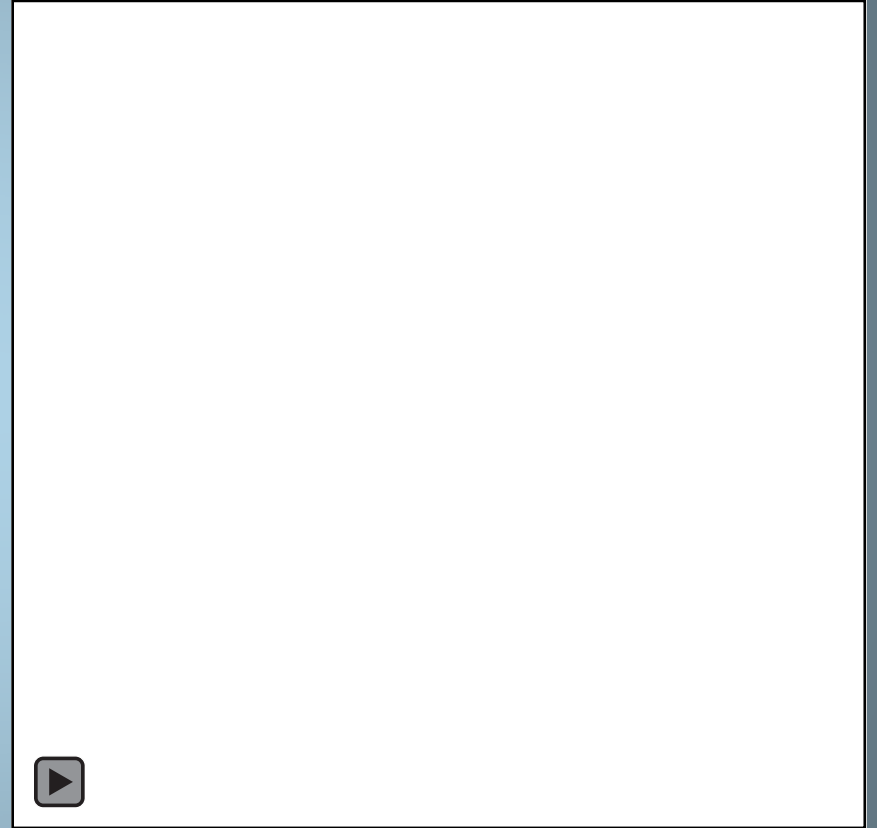
Patient B

- 69 year old female
- Atrial fibrillation
- Tachycardia noted on ECG
- Left atrial mass

Case study 2



2 chamber



4 chamber