The Copycat

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Background

72 year old male with

- · Diabetes mellitus
- Hypertension
- Hyperlipidaemia

disease

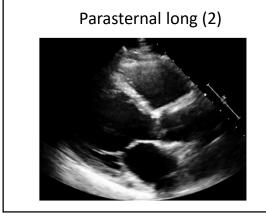
- Stage 3 chronic kidney
- Non-ischaemic cardiomyopathy
 - Presented with cardiogenic shock and VT in 2016
 - Minor coronary artery disease
 - LVEF 30-35%
 - Dual-chamber AICD implanted

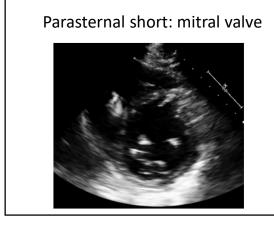
Current presentation

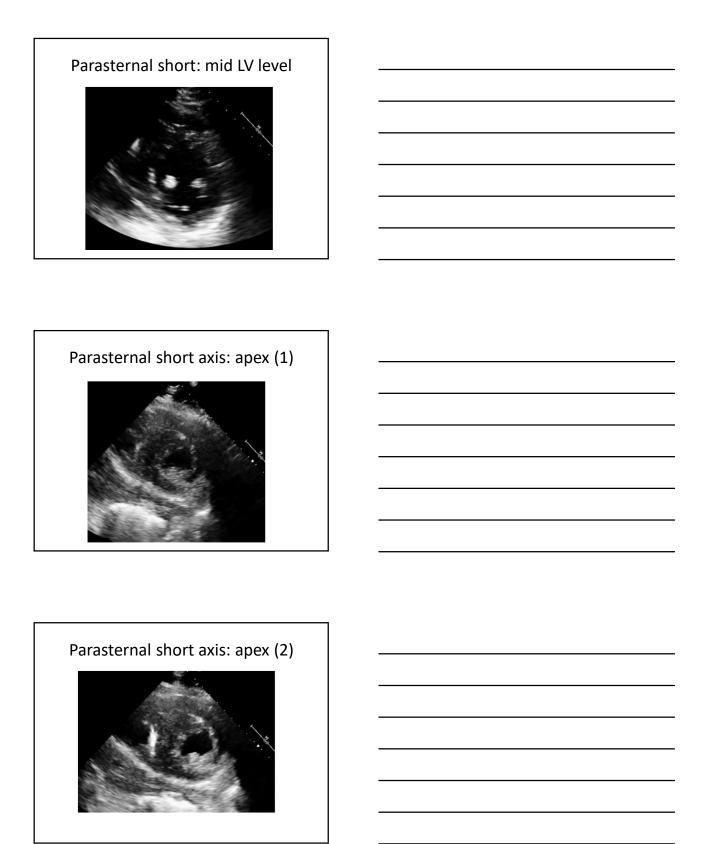
- Abdominal discomfort for 1 month
 - Worse after food
- · Constipation for 2 weeks
- No cardiac symptoms
- Vitals
 - BP 115/61 mmHg
 - Pulse rate 51 bpm
 - Oxygen saturation 97% room air
- · Clinically euvolaemic

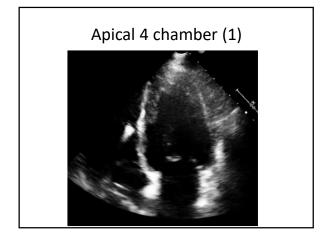
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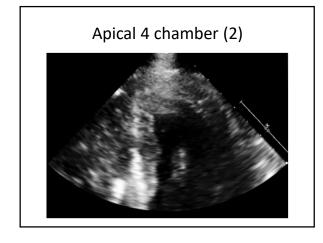
Parasternal long (1) Parasternal long (2)

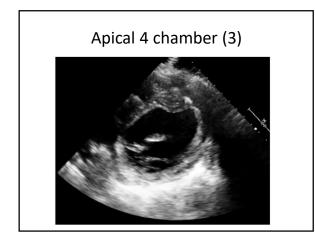




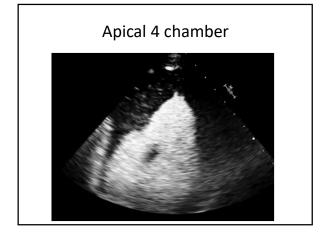


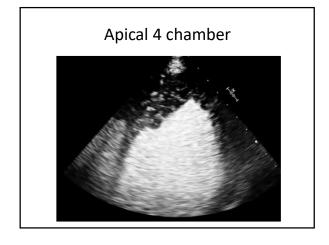


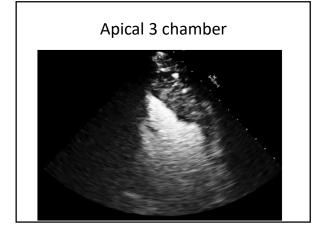




Apical 3 chamber Diagnosis? 1. Thrombus 2. Hypertrophic cardiomyopathy 3. Infiltrative heart disease 4. Cardiac tumour 5. I have no idea Next investigation? 1. Cardiac MRI 2. Contrast echocardiogram 3. Cardiac biopsy



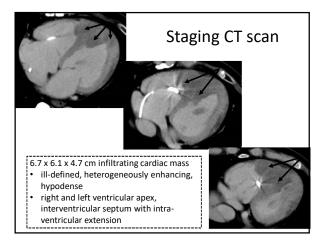




Parasternal short axis: apex Diagnosis? 1. Thrombus 2. Hypertrophic cardiomyopathy 3. Infiltrative heart disease 4. Cardiac tumour 5. I still have no idea Diagnosis? • Thrombus Avascular, hence appearing as a "filling defect" • Hypertrophic cardiomyopathy - ? Apical HCM - But heterogeneous echogenicity within myocardium • Cardiac tumour - Malignant, highly vascular tumours demonstrate hyperenhancement

Further work-up

- OGD
 - Friable ulcerated tumour in the proximal body of the stomach
 - Histology: Diffuse large B-cell lymphoma (DLBCL)
- Colonoscopy normal
- Hypercalcaemia

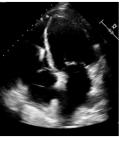


Treatment

- <u>Diagnosis</u>:
 - DLBCL with cardiac, renal and adrenal involvement
- Chemotherapy with R-CEOP
 - Rituximab
 - $\ {\it Cyclophosphamide}$
 - Etoposide (instead of doxorubicin)
 - Vincristine
 - Prednisolone

After 1 cycle of chemo





After 3 cycles of chemo





Take-home messages

- Contrast echocardiography is useful in the differential diagnosis of cardiac masses
- Important to take a good history from your patient

Thank you!	