Extra-Cardiac Echo (tying things together)

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Disclosures

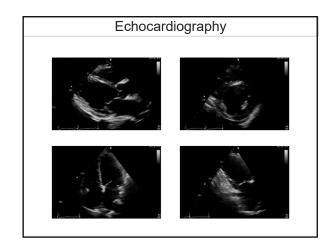
None related to this presentation.

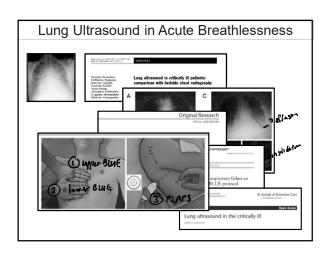
Agenda

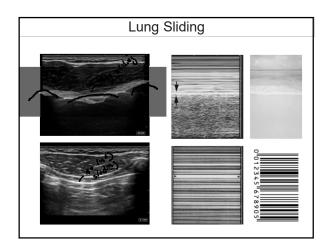
Patient 1 History 60 / M Ischaemic CMP, EF 35% SOB x 3/7 O/E T 37.1, BP 160/90, HR 113 RR 32, SpO₂ 88% (FiO₂ 40%) H - S₁S₂, L - basal creps Inx TW 12K, Hb 10, Plt 150 Urea 11, Cr 130, Na 128, K 4.5, hsTrop 100

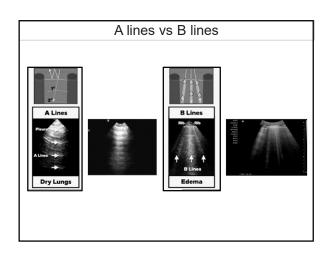
Rx

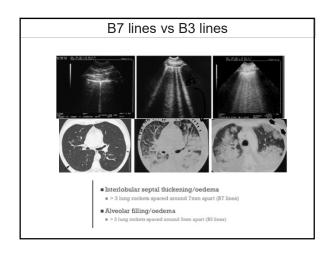
Immediate Management 1. IV Frusemide 2. IV GTN infusion 3. Oral Hydralazine

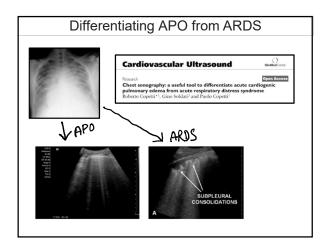


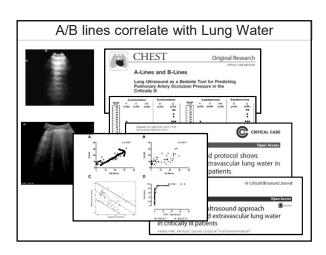


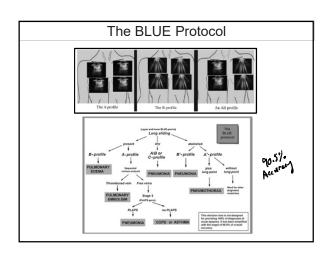


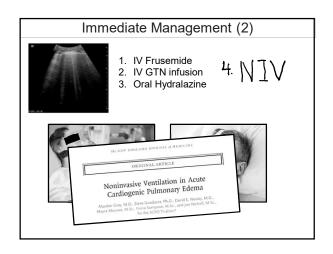


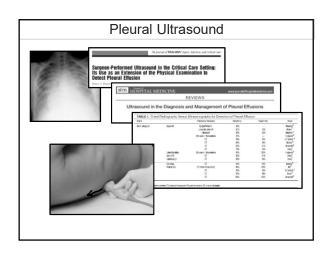


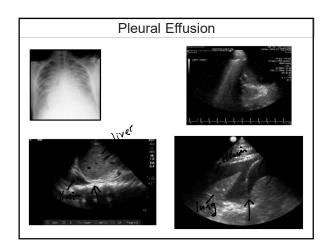


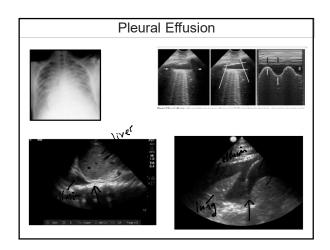


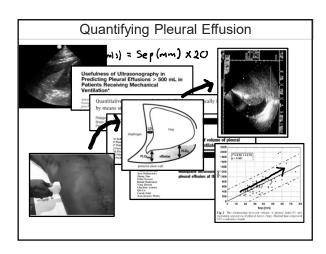


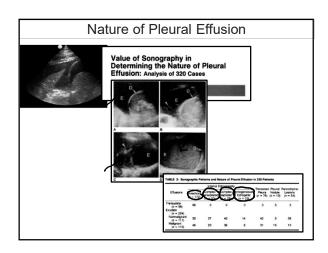


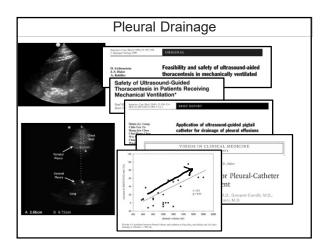






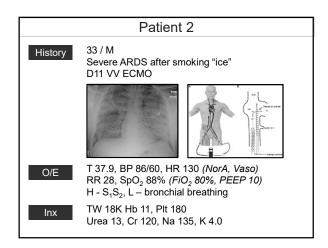


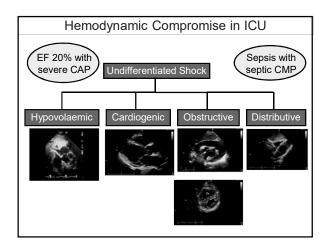


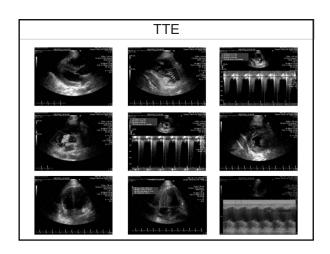


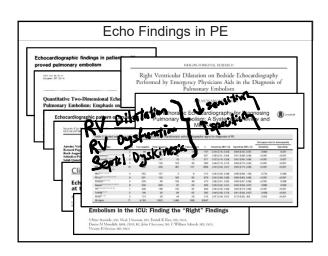
Patient 1 - Summary

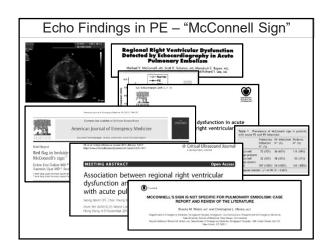
- Patient had acute decompensated heart failure
- Despite IV diuresis, GTN and oral vasodilators, patient remained dyspnoeic
- Lung ultrasound revealed significant pulmonary congestion (bilateral B profile) with estimated ELWI
 10 mls/kg and pleural ultrasound revealed a moderate pleural effusion causing adjacent compressive atelectasis
- Patient symptomatically better after institution of both non-invasive positive pressure ventilation and pleural drainage (under ultrasound guidance)

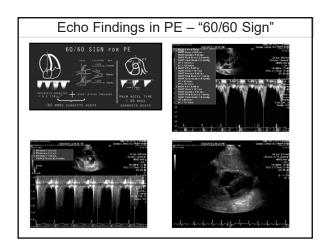


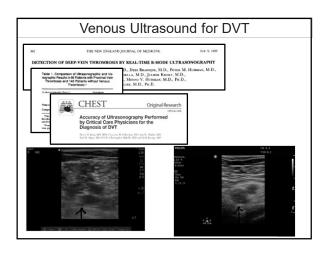


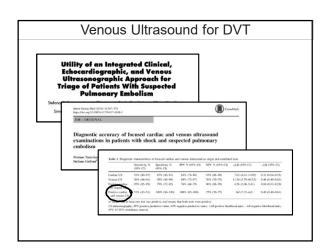


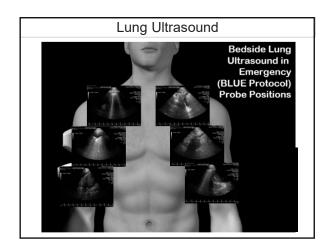


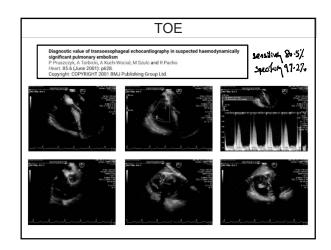


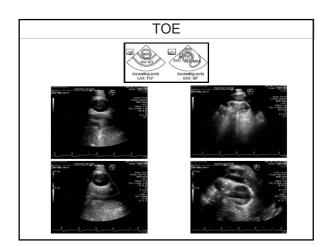


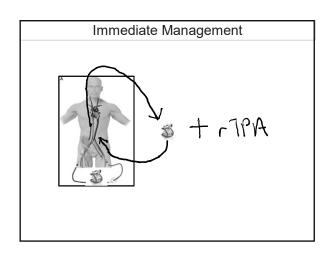












Patient 2 - Summary

- · Patient has severe ARDS on VV ECMO
- Developed worsening hypotension requiring increasing dose of vasopressors
- TTE showed RV dilatation with RV dysfunction compared with TTE done 1 week ago
- Venous ultrasound of lower limbs revealed extensive bilateral DVT
- TOE performed demonstrated embolus in right pulmonary artery
- VA ECMO was initiated followed by thrombolytic therapy
- Hemodynamics improved and VA ECMO weaned off the following day

Summary After done, ,

may provide incremental information for the diagnosis of breathlessness and shock, contributing to the management of our critically ill patients.

