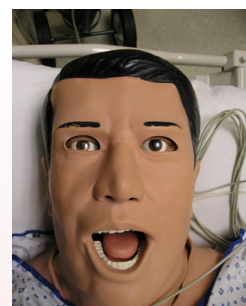


MASSIVE PE



33yr old female 3 weeks post partum with SOB and Right Sided Chest Pain - Sats 90% on 15L NRB HR 140 BP 85/35.

Then deteriorates....

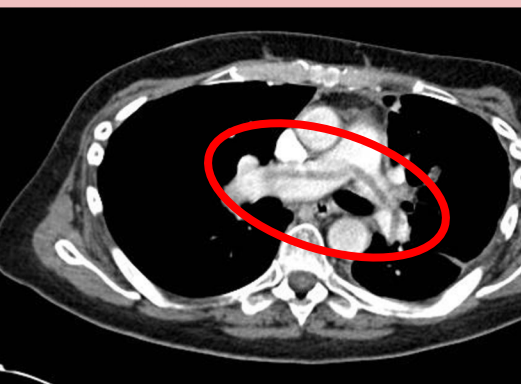
[RCEM learning..](#)

Clinical learning:

- **Escalate** to Senior Early
- **Use of USS** is helpful to diagnose (*R heart Strain*)
- **Guidelines...** When to Thrombolise?
- **& TREATMENT...**

ALTEPLASE

→CEMBOOKS



Radiopaedia.org, rID: 6120

Thrombolysis: Pulmonary Embolism

Alteplase (Actilyse®)

Indicated in massive and sub-massive PE

Over 65Kg: 10mg injection over 1-2minutes then 90mg over 2 hours

Less than 65Kg: 1.5mg/Kg with 10% administered over 1-2 minutes and the remaining 90% over 2 hours

Imminent Arrest Likely: 50mg bolus (BTS guideline)

Massive PE

Any of : SBP<90 for >15mins or requiring inotropic support,
 No pulse or HR < 40 with circulatory compromise

Sub-Massive PE

No circulatory compromise but evidence of RV dysfunction (see notes)

Absolute Contraindications

Intracranial: Any history of bleed, ischaemic stroke < 3months, neoplasm, A-V malformation

Head or facial trauma with radiological evidence of fracture or brain injury

Recent spinal or neurosurgery

Active bleeding, possible aortic dissection or bleeding diathesis

Non Clinical Learning:

- **Speaking out loud** helps everyone know whats happening/whats been missed
- **Ask others** if something has been missed
- **Use a POWERFUL HEADLINE in 'SBAR'** e.g. **"I have a POST-ARREST lady with a MASSIVE PE..."**

Twitter: @leedsEDsim