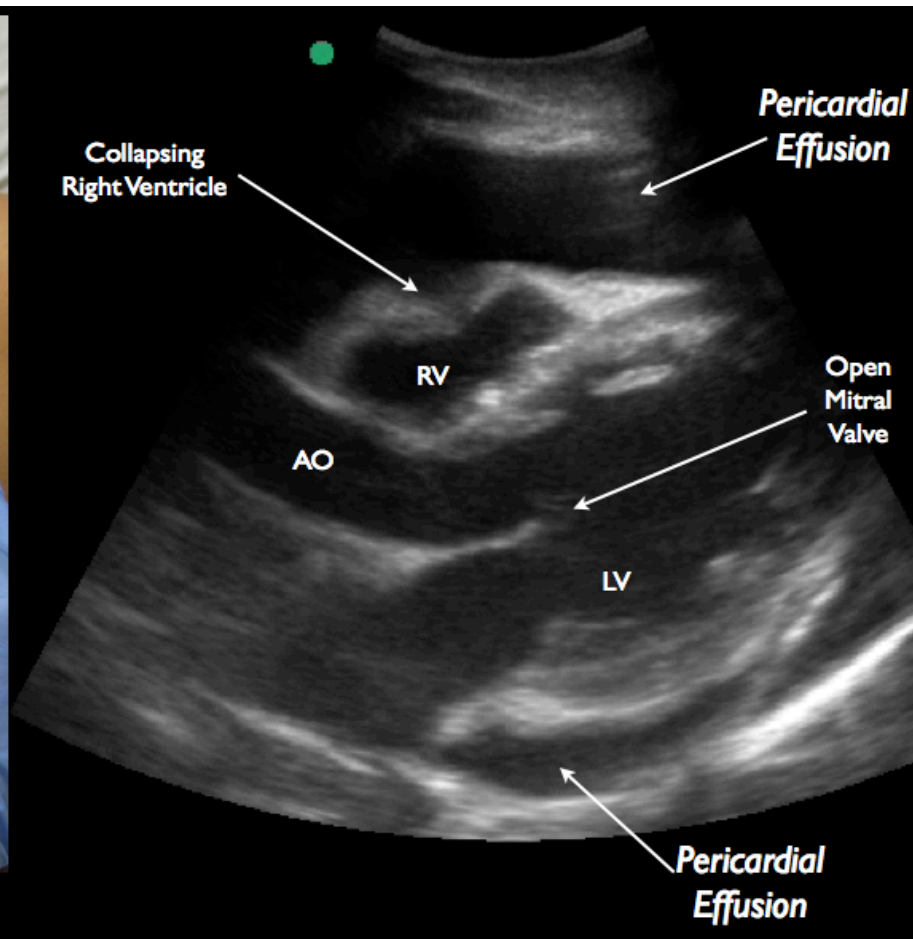
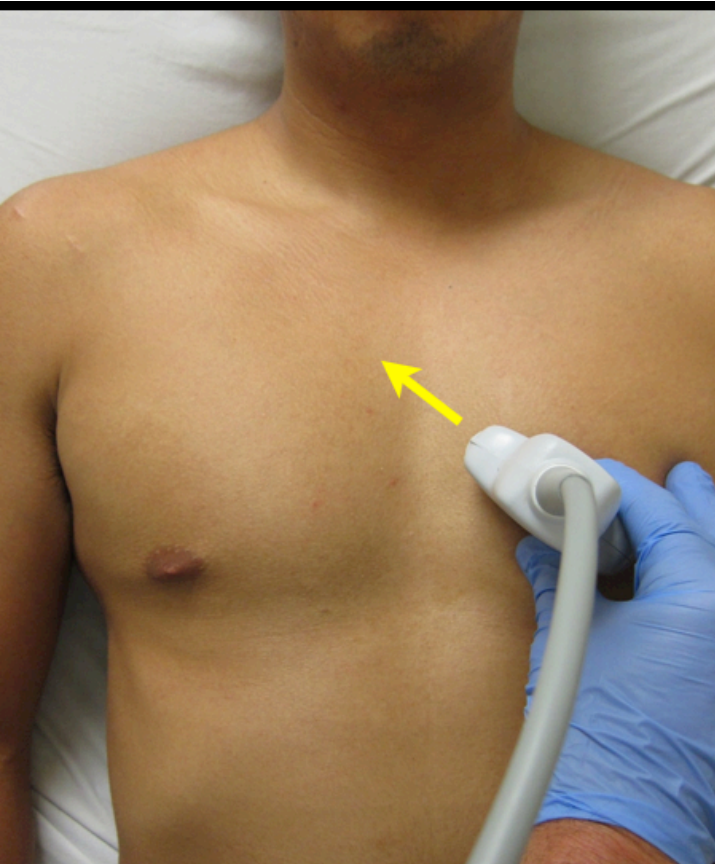


Ultrasound-Guided Pericardiocentesis

*Highland General Hospital
Division of Emergency Ultrasound*

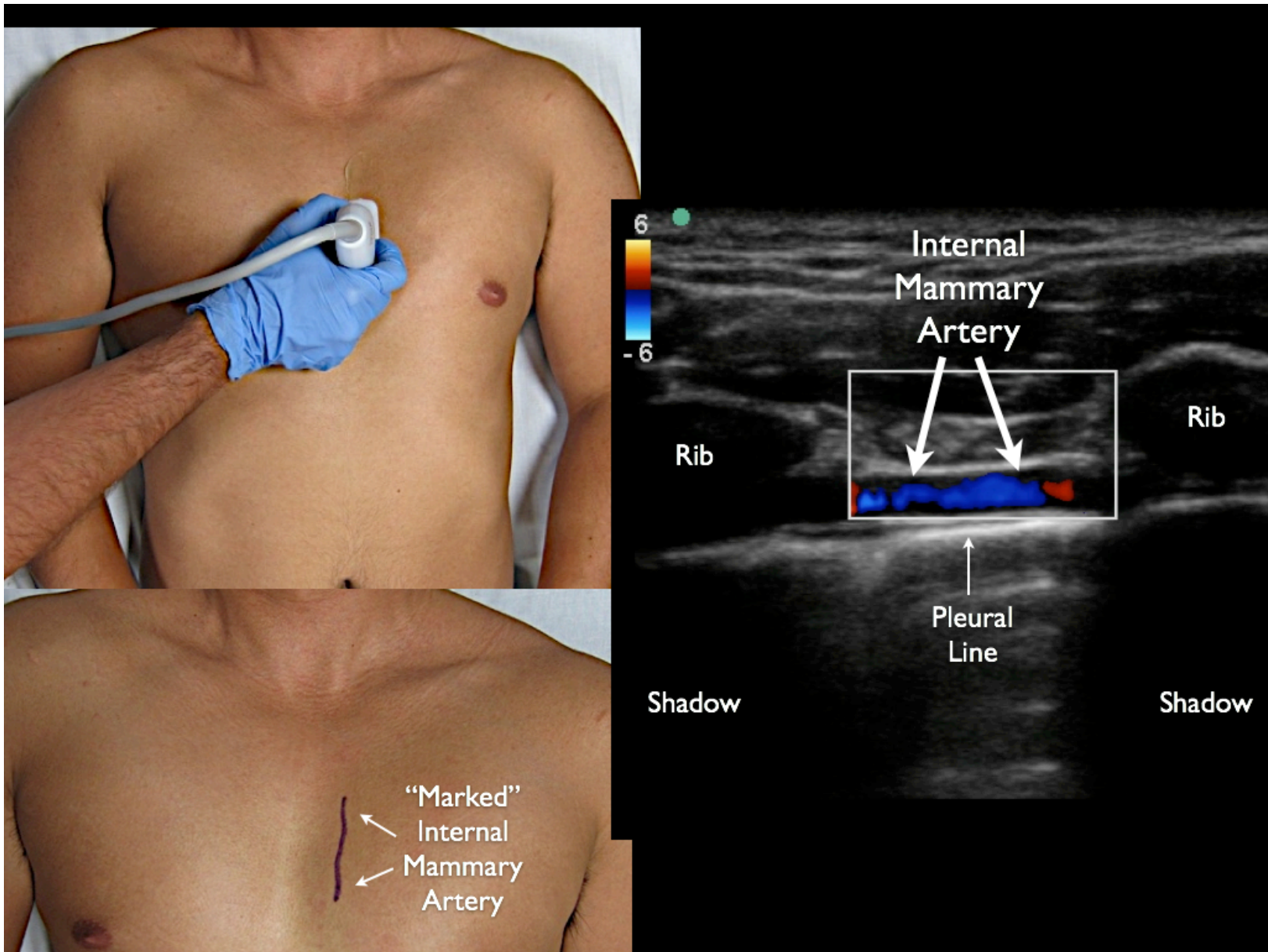
Step 1

- Curvilinear Probe
- Probe marker to the patient's right shoulder
- Adjust probe to find largest pocket of fluid



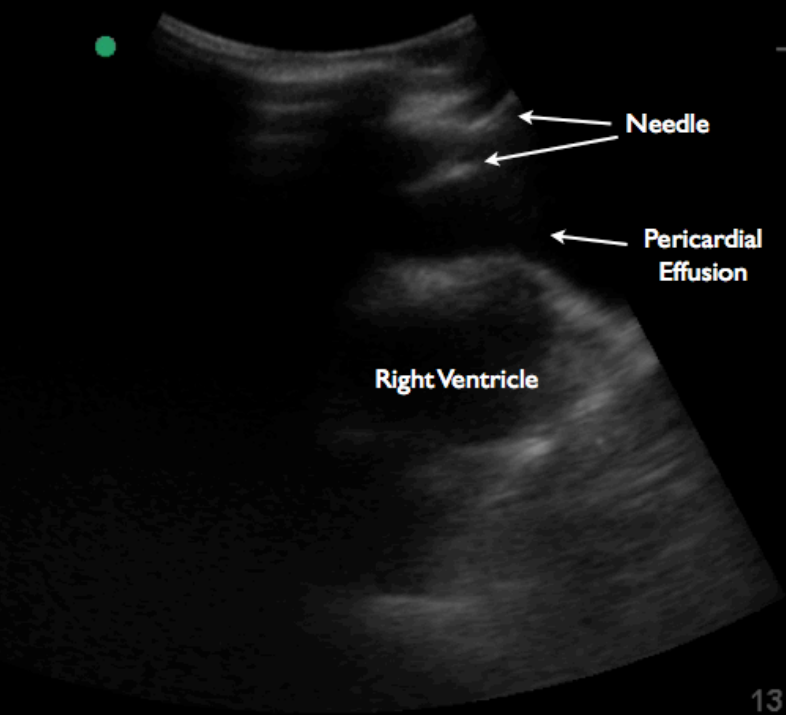
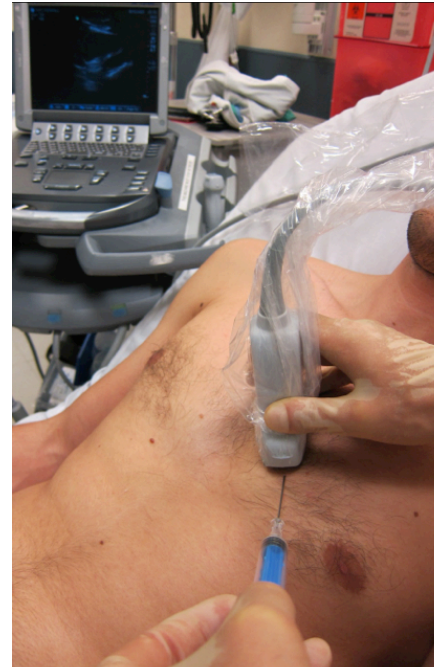
Step 2 : optional

-If effusion very midline, locate the **mammary arteries** with Linear Probe



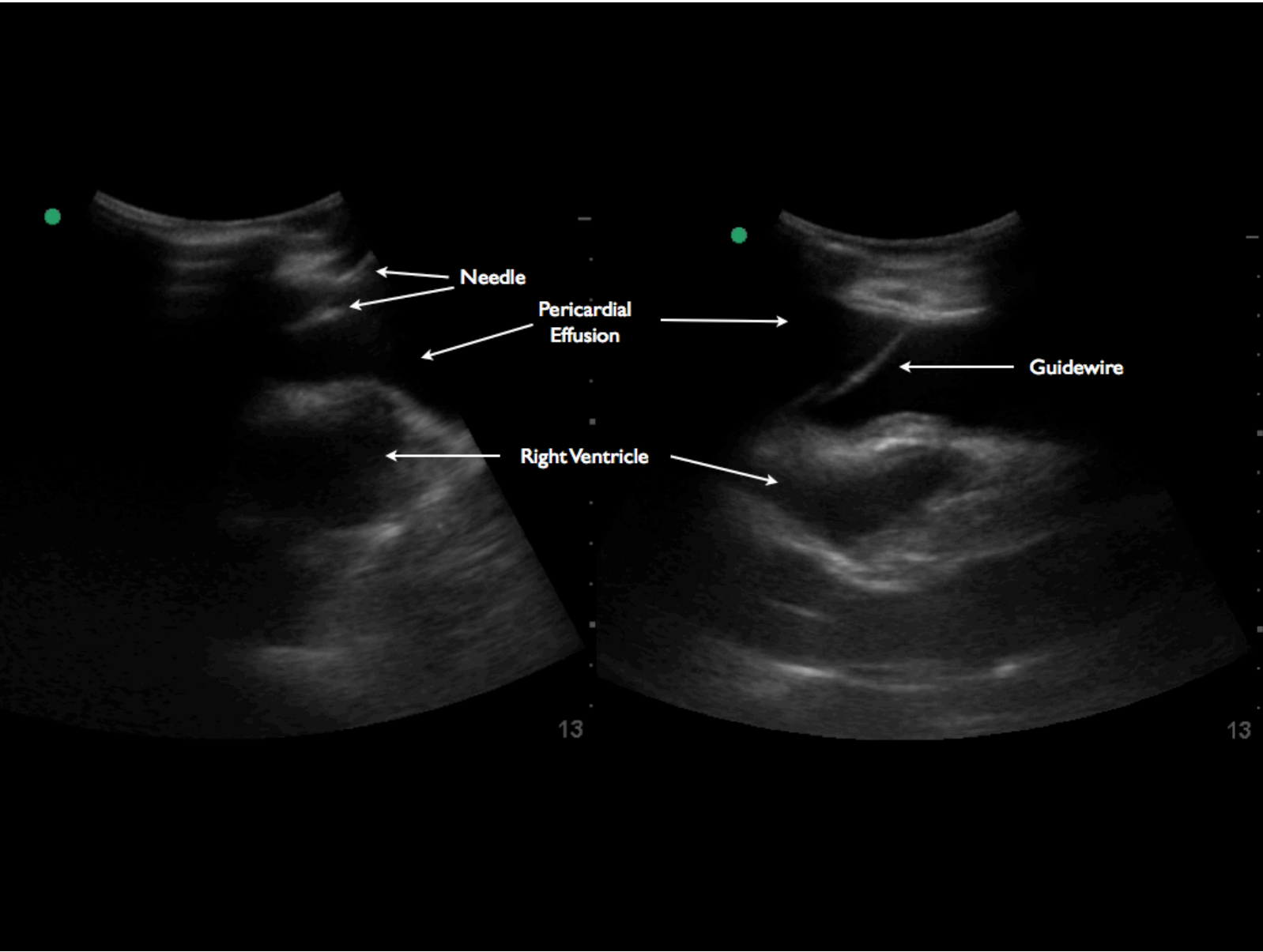
Step 3

- Ultrasound screen in field of view
- Local Anesthetic
- Low dose etomidate (0.15mg/kg) or another sedative just before entering pericardial sac
- In-plane** with needle visualization



Step 4

Visualize the **guidewire** to confirm placement



Step 5

- Drain effusion
- Confirm reduction in pericardial effusion and IVC collapse

