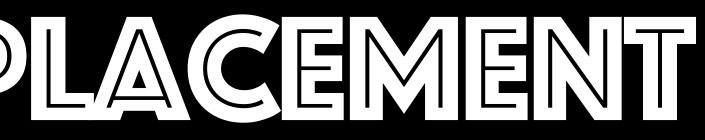
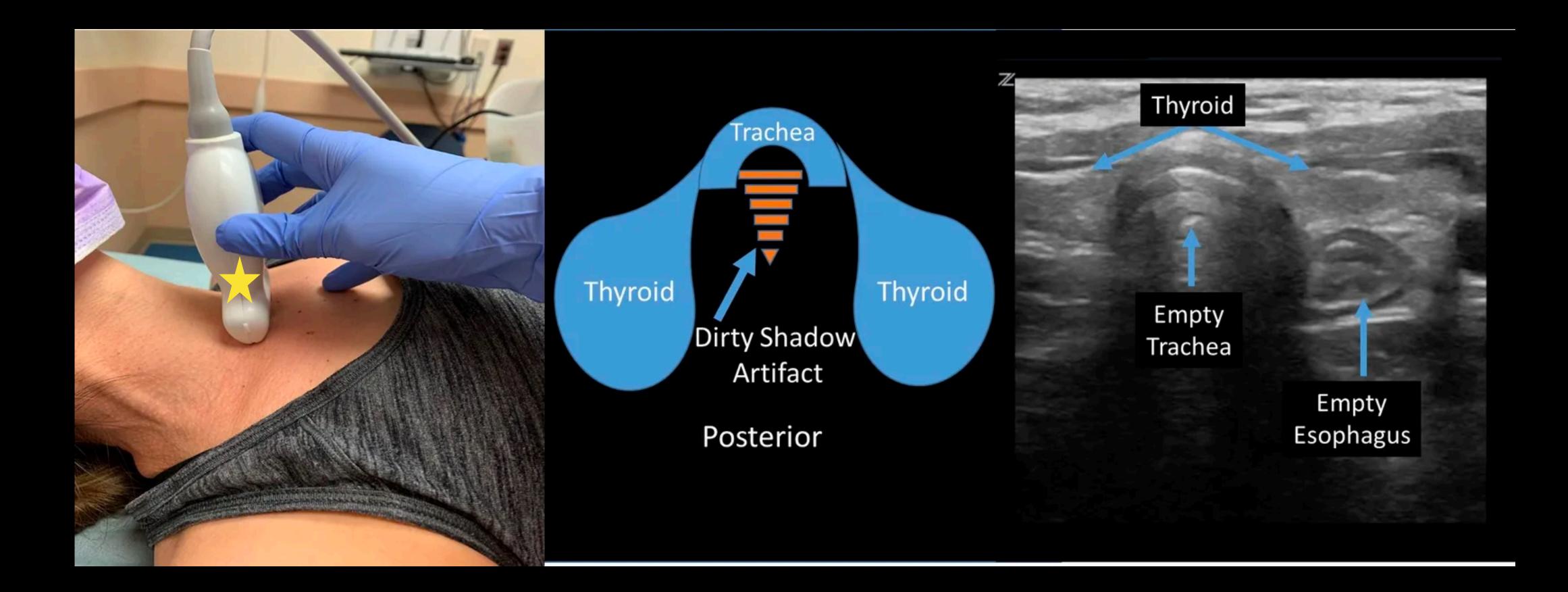
# POCUS FOR ETT PLACEMENT **Guidance and confirmation**

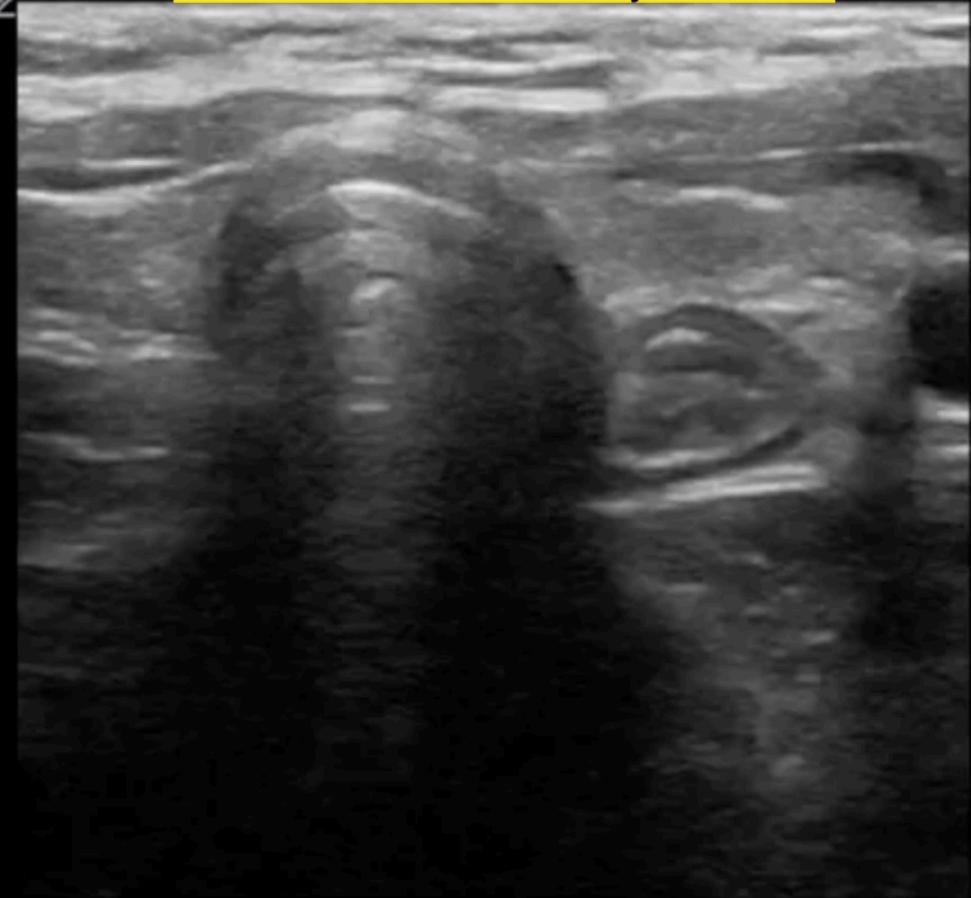


## AIRWAY ANATOMY AND PROBE PLACEMENT

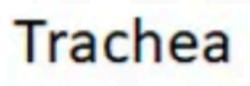


#### DIRECT CONFIRMATION **Double tract or double trachea sign =improper ETT placement** Double tract or trachea sign

Proper view of correct intubation with air mucosa levels only in trachea



Dirty shadows in both the trachea and esophagus confirms a failed intubation



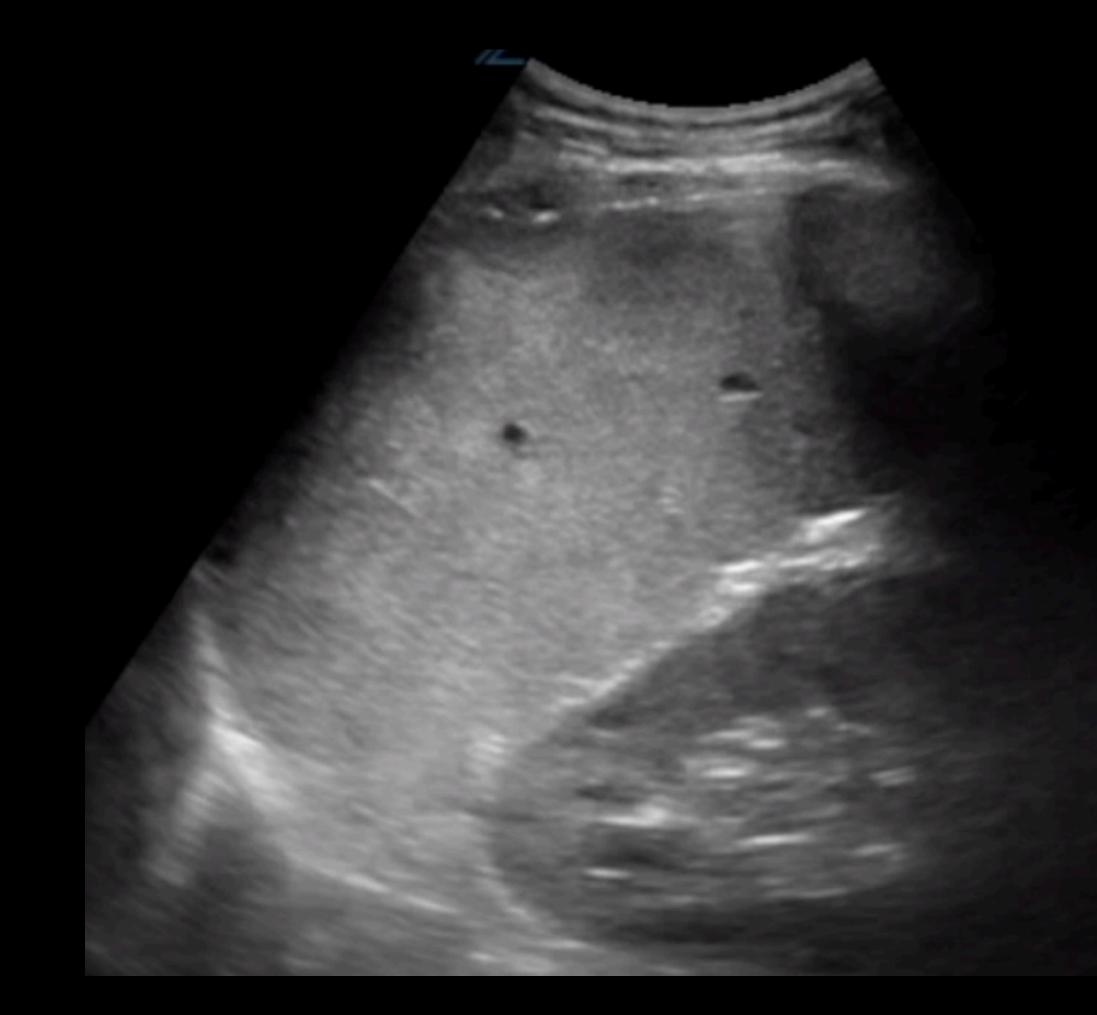
#### **ETT in Esophagus**



#### INDIRECT CONFIRMATION **Diaphragm movement**

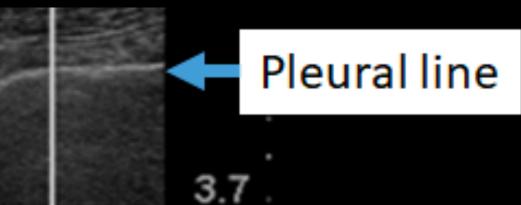
- Go to fast view: RUQ or LUQ
- Visualize movement of diaphragm during PPV breaths
  - If moving caudal (-->,) proper placement of ETT
  - If moving cephalic (<--),</li> esophageal placement of ETT. With each breath, air enters into the abdomen causing diaphragm to move towards the head





## INDIRECT CONFIRMATION

#### Aerated lung= GOOD



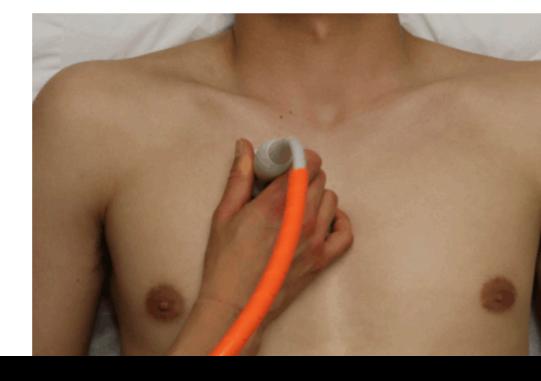




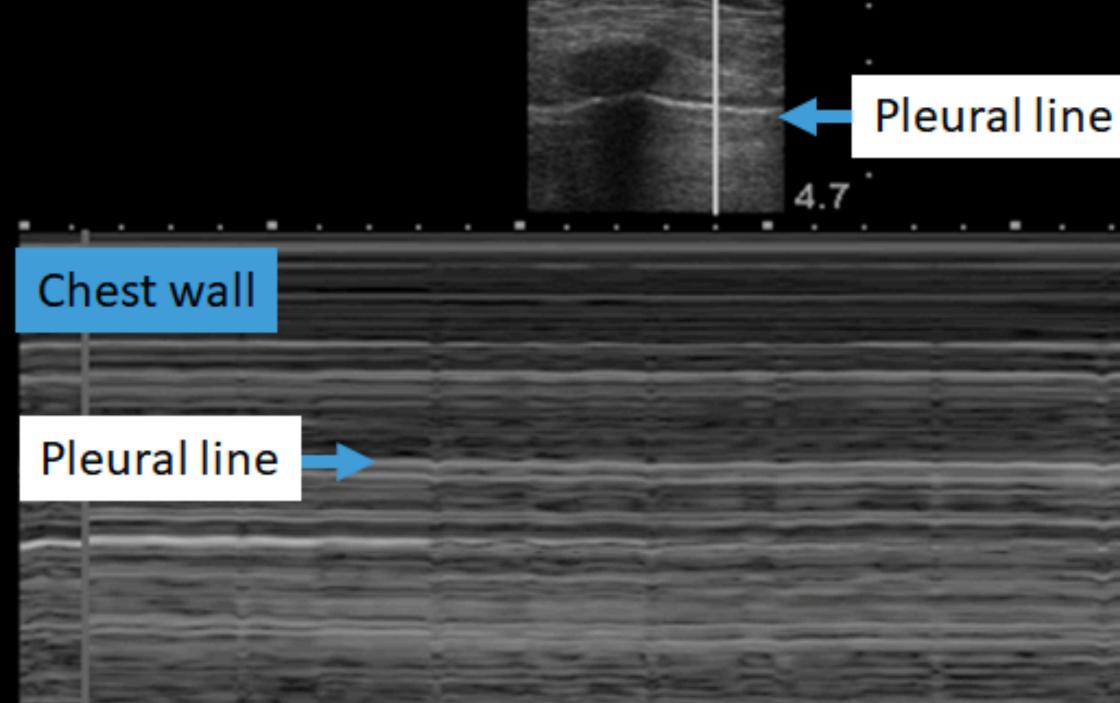


3.7

- Point your indicator towards the patient's head.
- Place your probe at the mid-clavicular line at the 2nd intercostal space of the right (R1) and left (L1) lungs respectively
- Anchor your probe in the space between two ribs.

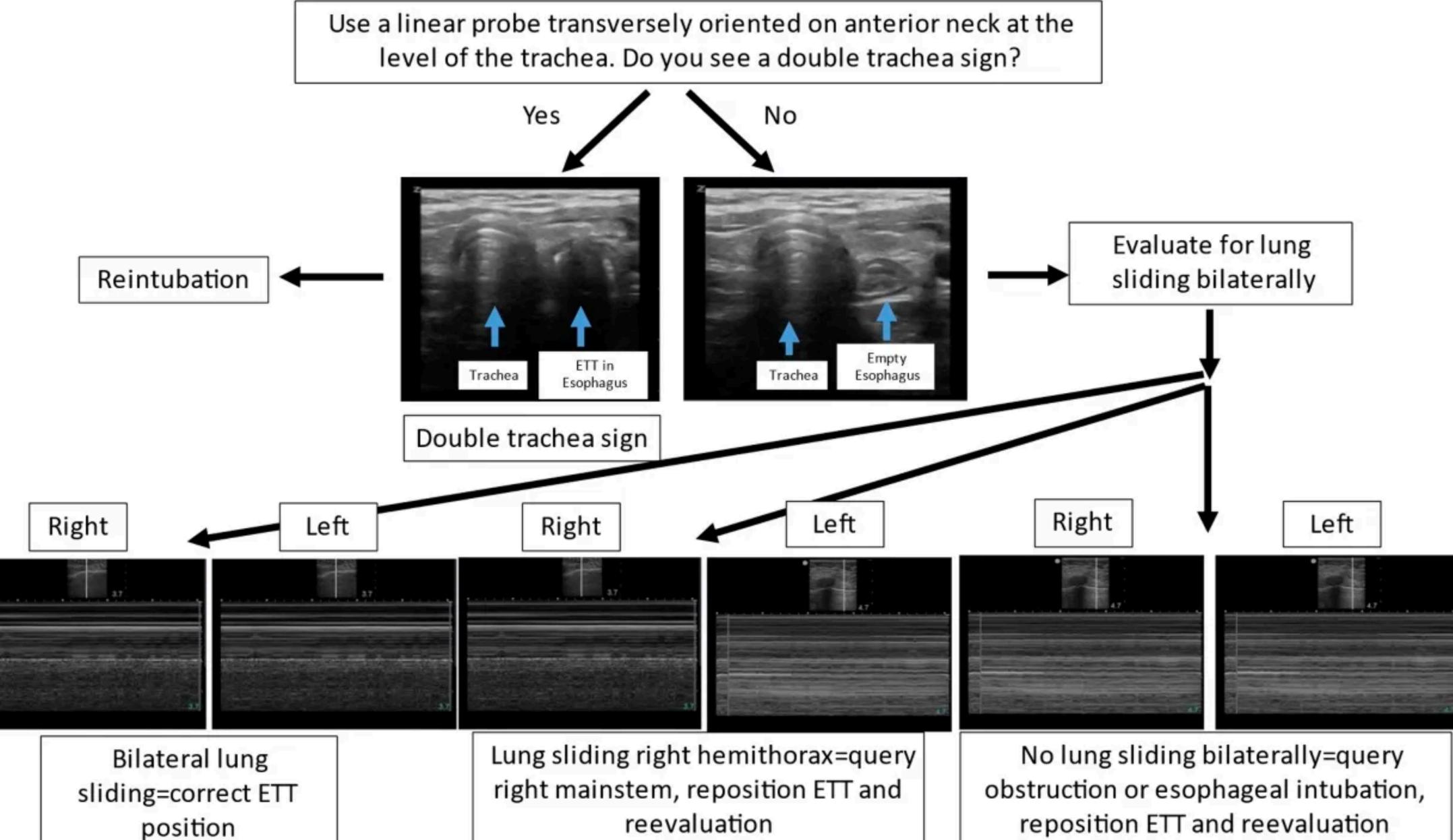








#### AIRWAY PLACEMENT ALGORITHM



reposition ETT and reevaluation