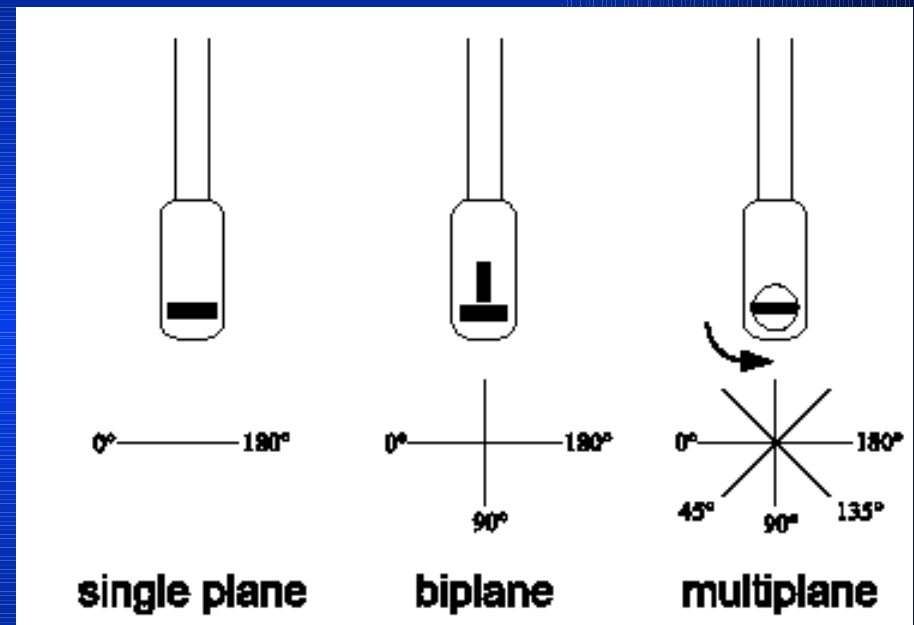
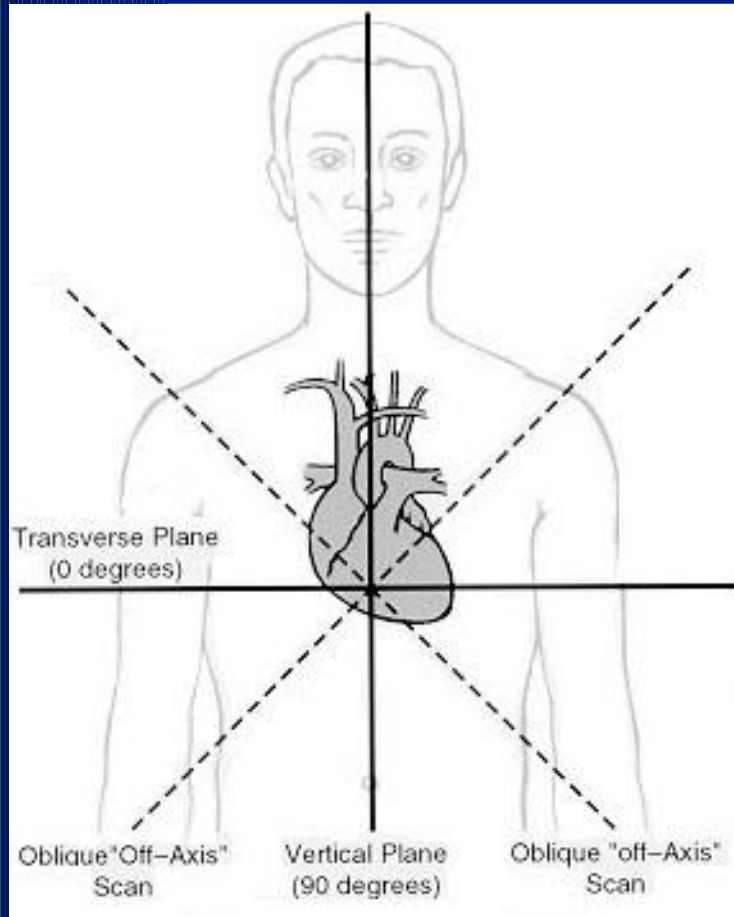
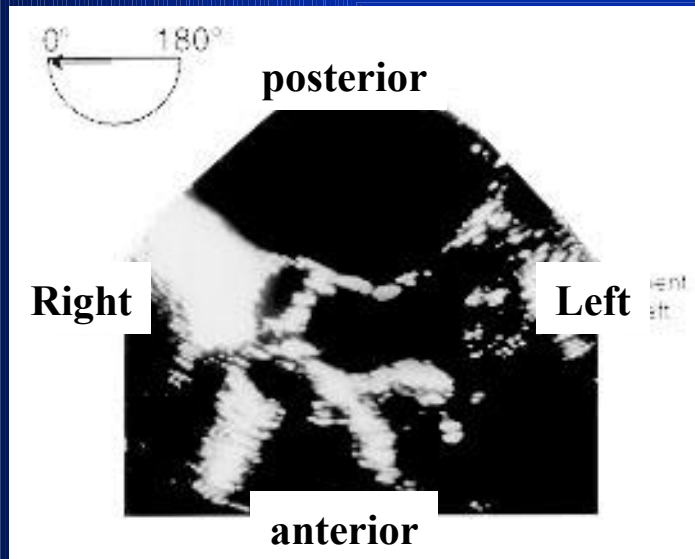


# TRANSESOPHAGEAL PLANES

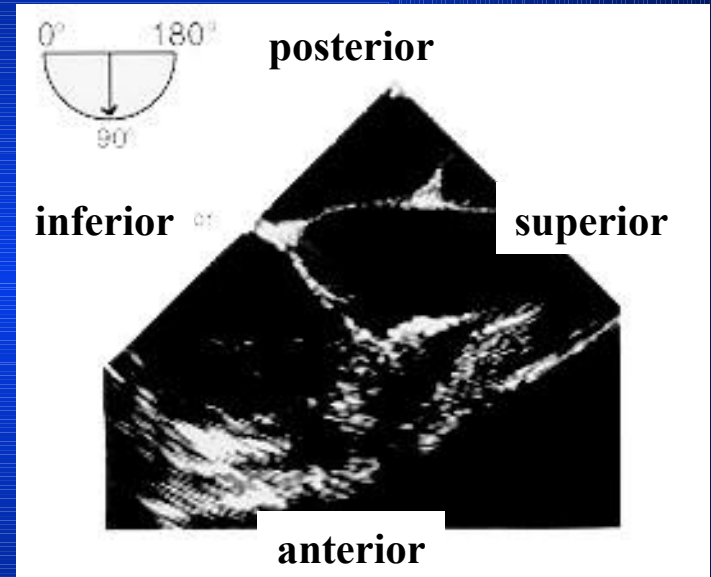
Antoine Vieillard-Baron, Boulogne, France



## Transverse plane



## Vertical (longitudinal) plane

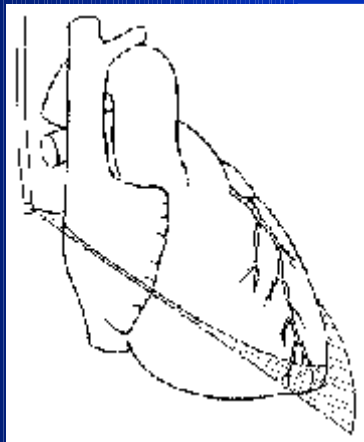


I

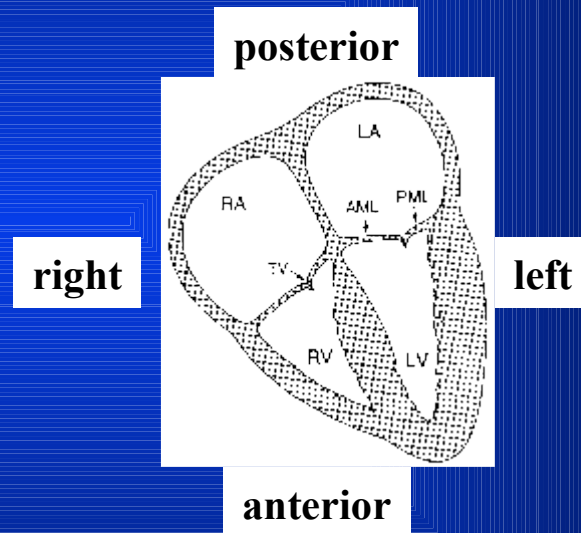
# TRANSVERSAL PLANES



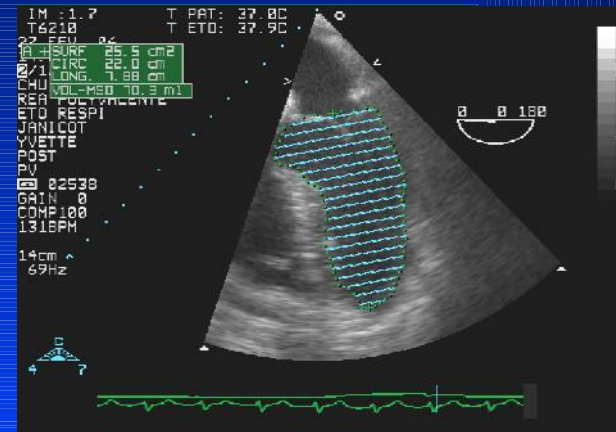
# LONG AXIS VIEW OF THE LV



30-35 cm under the dental arch



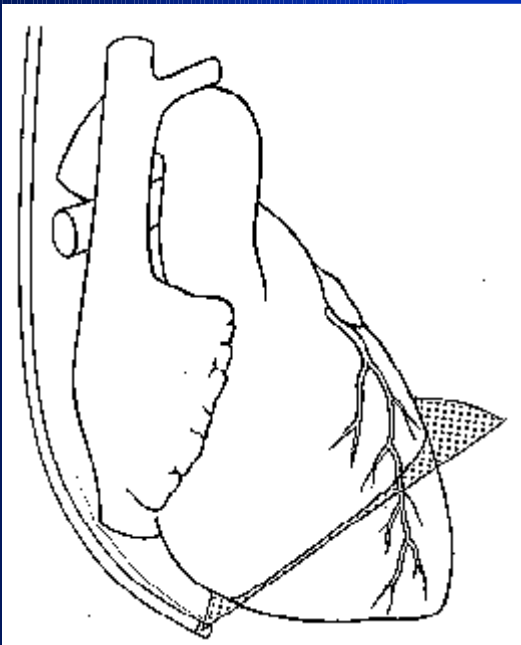




Severe dilatation : RVEDA/LVEDA > 1



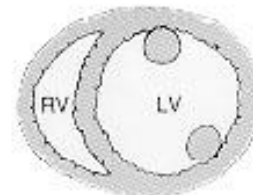
# SHORT AXIS VIEW OF THE LV



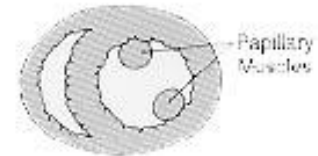
40-45 cm under the dental arch

right

posterior



Diastole

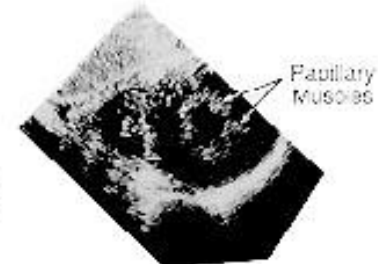


Systole

Papillary  
Muscles



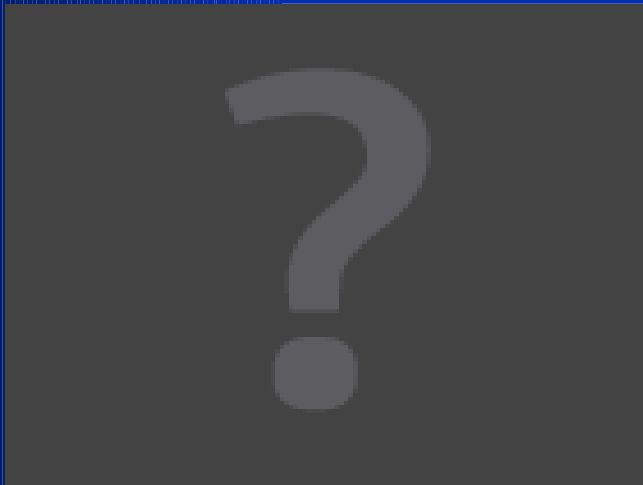
RV LV



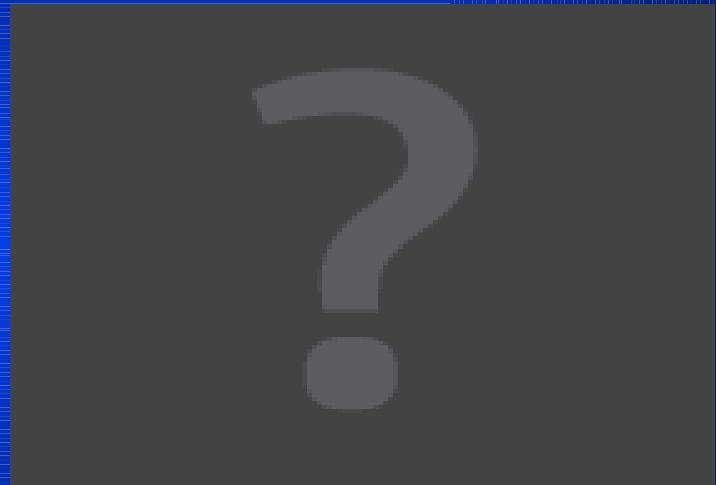
Papillary  
Muscles

anterior

left

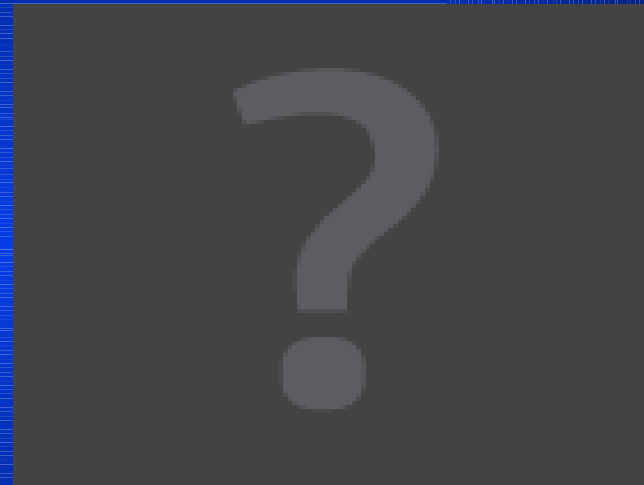
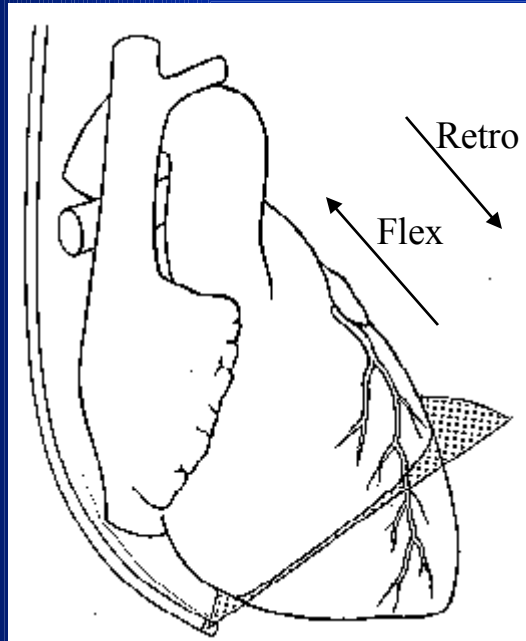


**M, septic shock**

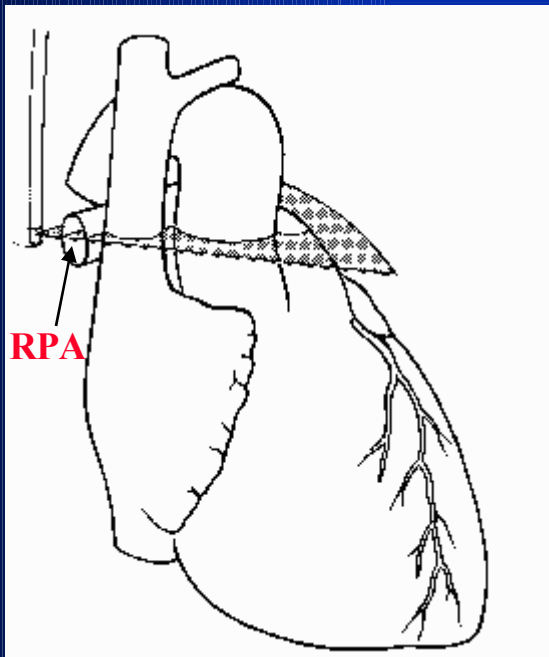


**F, ARDS**

From the base to the apex



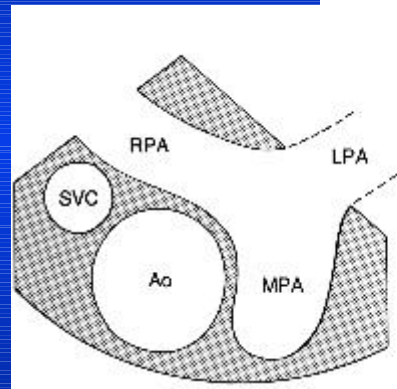
# LONG AXIS VIEW OF THE PA



25-30 cm under the dental arch

right

posterior



anterior

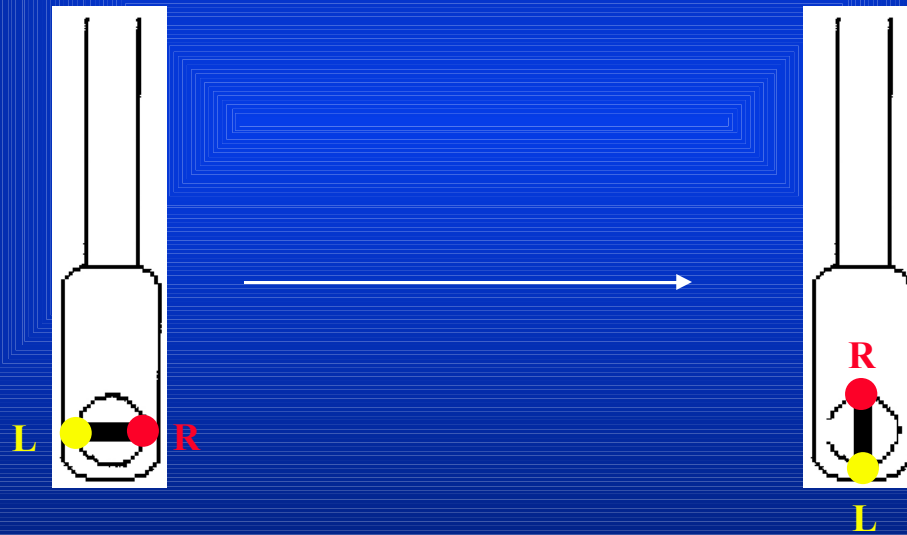


left

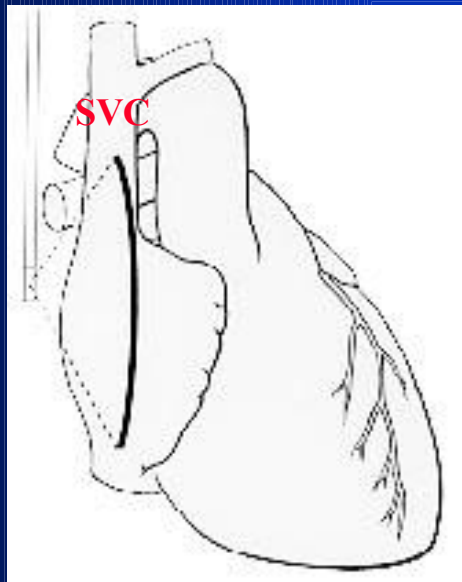


II

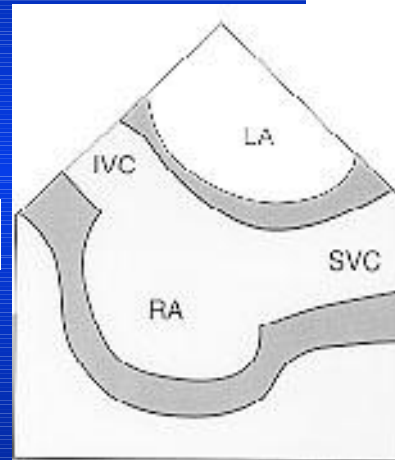
# LONGITUDINAL PLANES



# LONG AXIS VIEW OF SVC



**inferior**



**posterior**

**anterior**

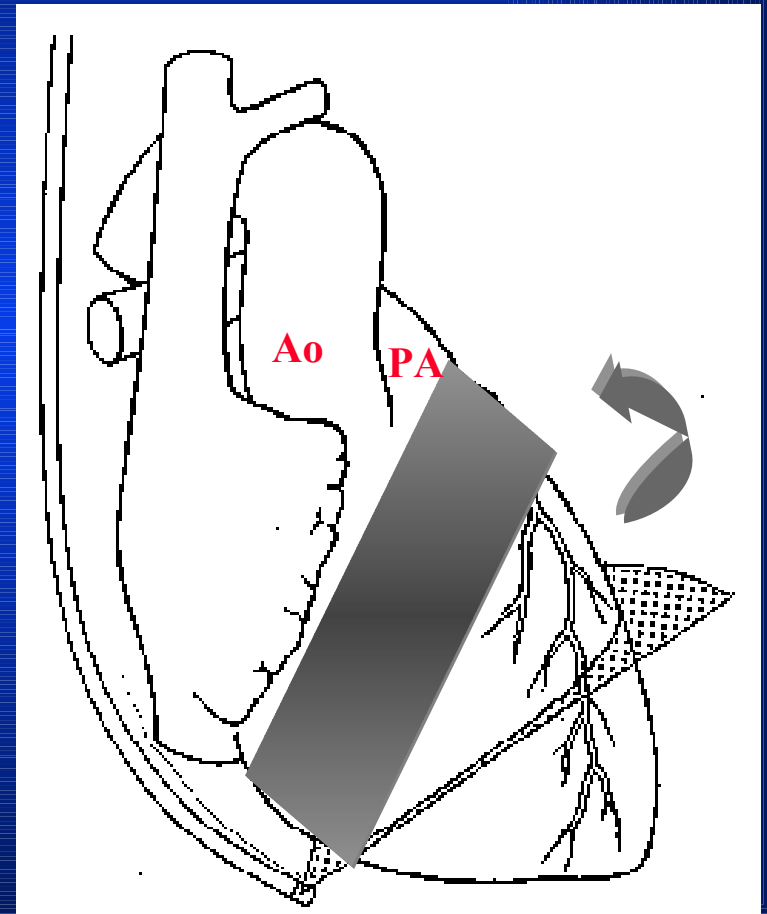
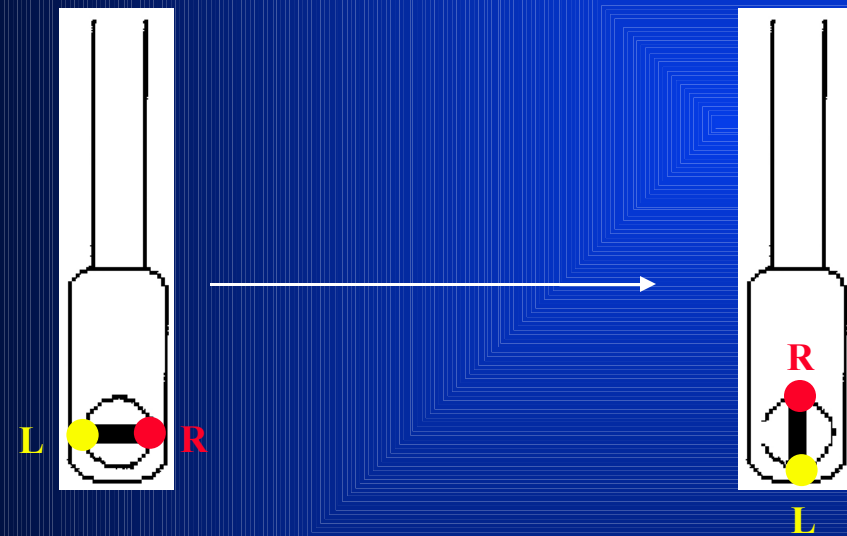


**superior**





# RV OUTFLOW TRACK

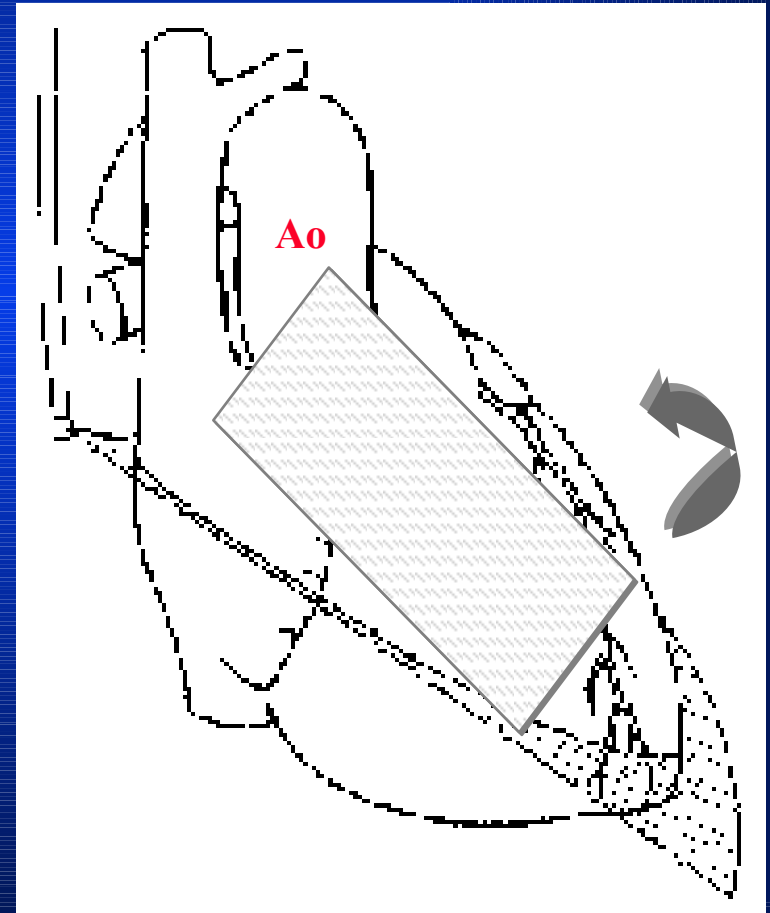
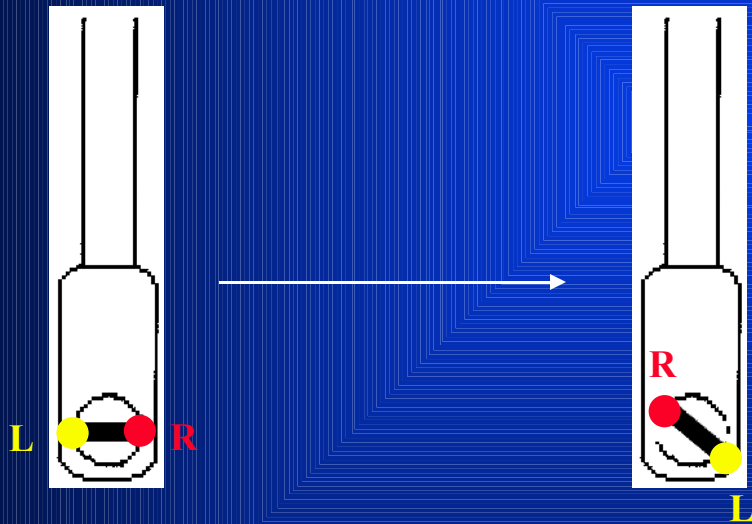




III

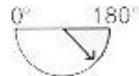
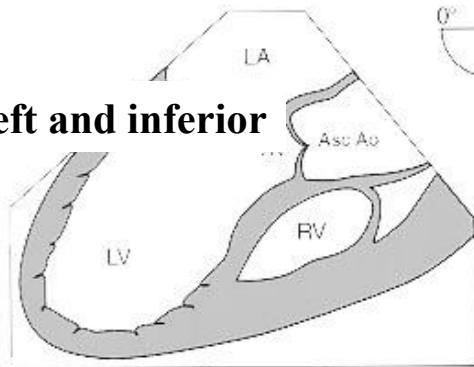
# OBLIQUE PLANES

# LONG AXIS VIEW OF THE LV AT 120°

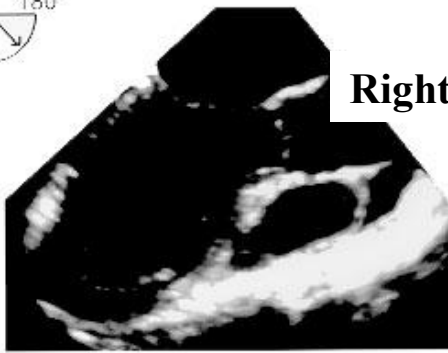


**posterior**

**Left and inferior**



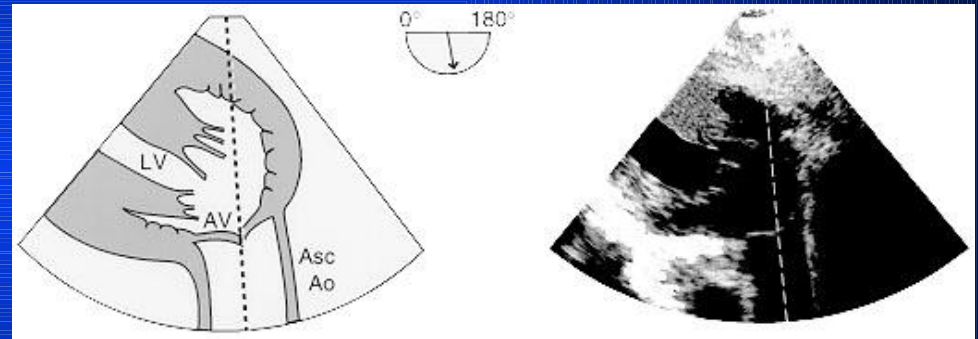
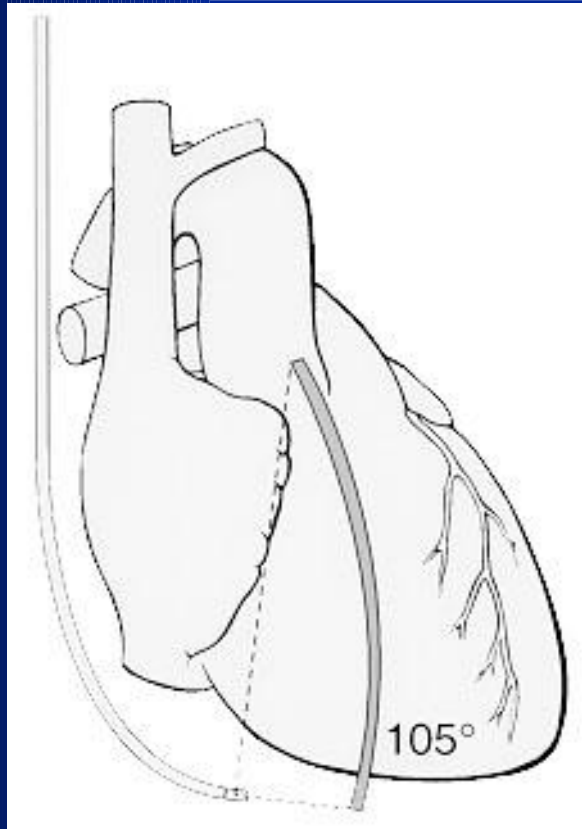
**Right and superior**



**anterior**



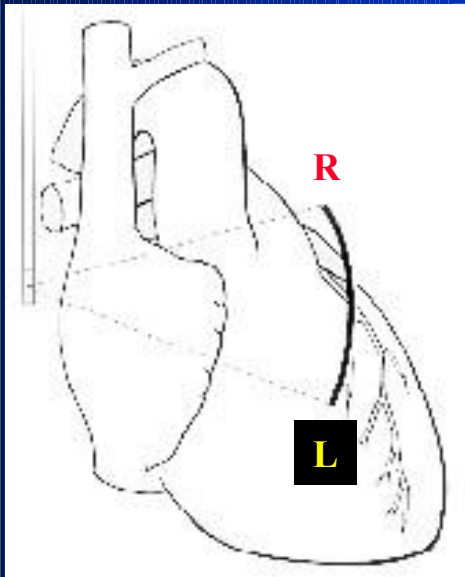
# LV OUTFLOW TRACK



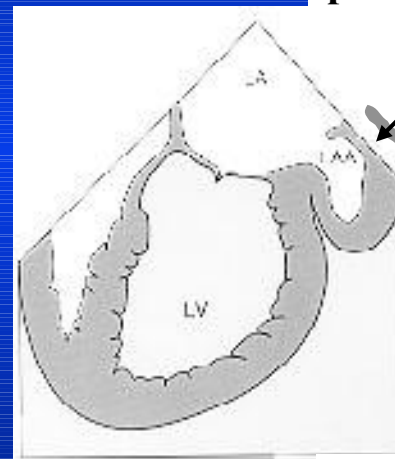




# THE LEFT UPPER PULMONARY VEIN



inferior



posterior

anterior



superior



# HOW TO PERFORM A TEE IN CLINICAL PRACTICE?

## **Contraindications to Transesophageal Echocardiography**

---

1. Known esophageal pathology that would predispose the patient to esophageal perforation or bleeding (e.g., malignancy, diverticuli, stricture, “significant varices”)
2. Severe, uncontrolled bleeding disorders; active upper gastrointestinal hemorrhage
3. Unstable respiratory status
4. Uncooperative patient
5. Unstable cervical spine

Brickner JDMS 2005

# PREPARATION OF THE PATIENT



# EQUIPMENT



# INSERTION OF THE PROBE



# THE EXAM



# FIN

