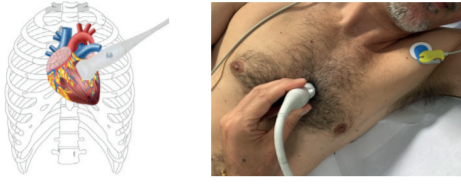
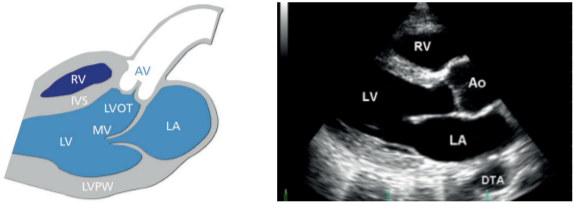


## PLAX: Parasternal Long Axis



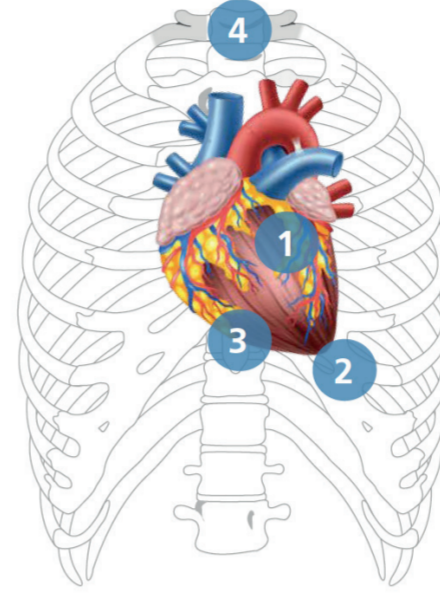
- The transducer is placed in 3<sup>rd</sup>/4<sup>th</sup> Intercostal space (for LV)
- The transducer is placed in 2<sup>nd</sup>/3<sup>rd</sup> Intercostal space (for Aorta)
- Depth 12-16 cm
- Orientation marker at 10 o'clock (Right shoulder)



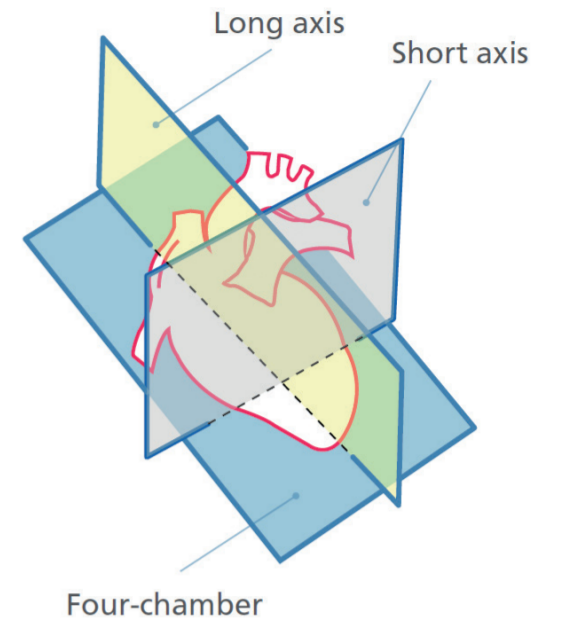
## Scanning views

### Acoustic windows

- 1 PLAX en SAX
- 2 A4C, A2C, APLAX, A5C
- 3 4CH: by Subcostal view
- 4 Suprasternal



### Scan planes



## SAX: Parasternal Short Axis

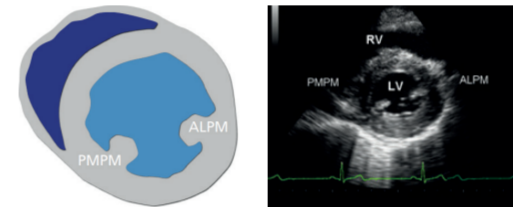


- Same position as LAX but with 90° clockwise rotation
- Orientation marker at 2 o'clock (left shoulder)

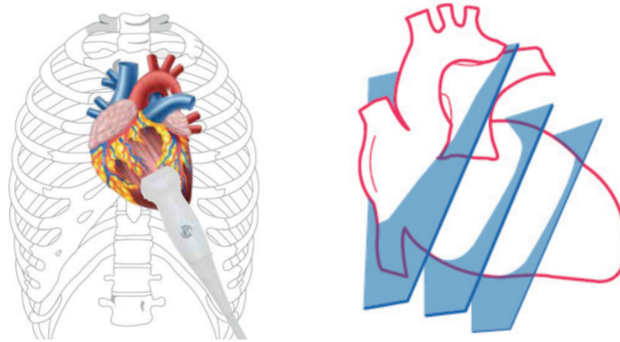
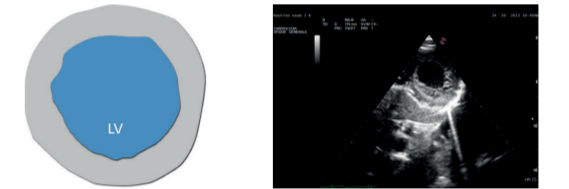
### Mitral valve level



### Papillary muscle level

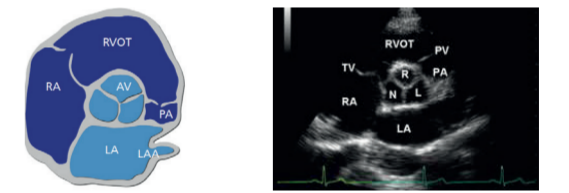


### Apical level



**Aortic Valve Level: Big vessels**  
Orientation towards superior section  
(Basal vessels)

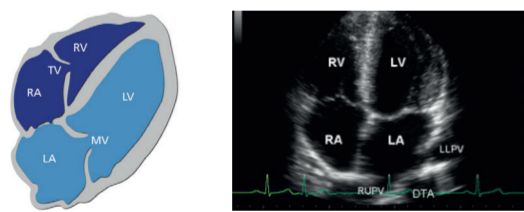
### Aortic, tricuspid & pulmonary artery level



## A4C: Apical 4 Chambers



- The transducer is placed on the apical impulse
- Depth: 14-18 cm
- Transducer orientation marker at 3 o'clock



## A2C: Apical 2 Chambers



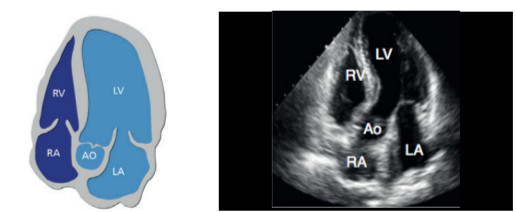
- Same position as Apical view but with 90° counterclockwise rotation
- Transducer orientation marker to the left shoulder



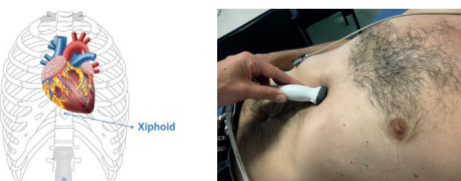
## APLAX: Apical 3 Chambers



## APLAX: Apical 5 Chambers



## 4CH: by Subcostal view



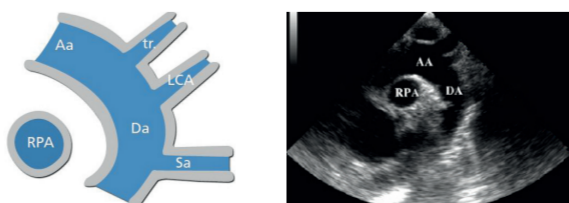
- Transducer orientation towards the left side
- The transducer axis must be oriented towards the left shoulder
- Bent knees



## Suprasternal



- Put the orientation marker towards the left side
- The transducer axis must be oriented towards the heart's bases
- The neck must be in hyper-extension



### Index

- |  |  |
|--|--|
| <b>AA:</b> Ascending Aorta             | <b>LVPW:</b> Left Ventricular Posterior Wall |
| <b>AV:</b> Aortic Valve                | <b>MV:</b> Mitral Valve                      |
| <b>AW:</b> Anterior Wall               | <b>PA:</b> Pulmonary Artery                  |
| <b>DA:</b> Descending Aorta            | <b>PW:</b> Posterior Wall                    |
| <b>DTA:</b> Descending Tract Aorta     | <b>RA:</b> Right Atrium                      |
| <b>ILW:</b> Infero-lateral Wall        | <b>RPA:</b> Right Pulmonary Artery           |
| <b>IVC:</b> Inferior Vena Canra        | <b>RUPV:</b> Right Upper Pulmonary Vein      |
| <b>IVS:</b> Inter Ventricular Septum   | <b>RV:</b> Right Ventricle                   |
| <b>LA:</b> Left Atrium                 | <b>RVOT:</b> Right Ventricle Outflow         |
| <b>LLPV:</b> Left Lower Pulmonary Vein | <b>TV:</b> Tricuspid Valve                   |
| <b>LV:</b> Left Ventricle              |  |
| <b>LVOT:</b> Left Ventricle Outflow    |  |