# Baseline Echo

**Study ID**

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## Balanced/Unbalanced

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAVV Area (cm²)</td>
<td></td>
</tr>
<tr>
<td>LAVV Area (cm²)</td>
<td></td>
</tr>
<tr>
<td>Total (cm²)</td>
<td></td>
</tr>
<tr>
<td>AVVI (AVVI=LAVV Area/ Total)</td>
<td></td>
</tr>
</tbody>
</table>

(This field is automatically calculated.)

## Additional Measures of Unbalance:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle RV inflow - LV inflow (degree)</td>
<td></td>
</tr>
<tr>
<td>Mural leaflet length (cm)</td>
<td></td>
</tr>
<tr>
<td>Mural leaflet width (cm)</td>
<td></td>
</tr>
</tbody>
</table>

## Malalignment (Subjective assessment)

- Malalignment of Atrial and ventricular septum
  
  - No
  - Yes
  - Cannot determine

If Yes, Malalignment towards :

  - Right (double outlet LA)
  - Left (double outlet RA)
  - Cannot determine

## ASD

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ostium primum ASD:</td>
<td></td>
</tr>
<tr>
<td>If Yes; ASD size (cm) (largest diameter)</td>
<td></td>
</tr>
<tr>
<td>Primum ASD Restrictive</td>
<td></td>
</tr>
<tr>
<td>Additional ASD</td>
<td></td>
</tr>
<tr>
<td>Additional ASD Type</td>
<td></td>
</tr>
</tbody>
</table>

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## VSD

| Inlet VSD size: From PSSAx (cm) | ______________________________ |
| Inlet VSD size: From Apical 4 (cm) | ______________________________ |
| Inlet VSD direction of flow in systole |  
  - Left to Right
  - Right to Left
  - Cannot determine |
| Inlet VSD direction of flow in diastole |  
  - Left to Right
  - Right to Left
  - Cannot determine |
| Additional VSD |  
  - No
  - Yes
  - Cannot determine |
| Additional VSD Type | ______________________________ |
| Largest additional VSD size (2D) (cm) | ______________________________ |
| Largest additional VSD size (by colour) (cm) | ______________________________ |

## AV Valve

| Total CAVV diameter (apical 4): (cm) | ______________________________ |
| Severity Common AV Valve Regurgitation |  
  - None
  - Trivial
  - Mild
  - Moderate
  - Severe
  - Cannot determine |

## Jet location:

| Right AV Valve regurgitation |  
  - None
  - Trivial
  - Mild
  - Moderate
  - Severe
  - Cannot determine |
| Left AV Valve regurgitation |  
  - None
  - Trivial
  - Mild
  - Moderate
  - Severe
  - Cannot determine |
| Rastelli Type |  
  - A
  - B
  - C
  - Cannot determine |
### Right AV Valve

- **2D measurement RAVV (apical 4) (cm):** 
  ____________________________

- **Color inflow diameter at annulus (cm):** 
  ____________________________

- **Color inflow diameter at mid cavity or at smallest inflow portion (cm):** 
  ____________________________

### Left AV Valve

- **2D measurement LAVV (apical 4) (cm):** 
  ____________________________

- **Color inflow diameter at annulus (cm):** 
  ____________________________

- **Color inflow diameter at mid cavity or at smallest inflow portion (cm):** 
  ____________________________

#### Papillary muscle abnormality

- □ No
- □ Yes
- □ Cannot determine

#### Type of Papillary muscle abnormality

- □ Too close
- □ Single
- □ One Hypoplastic

#### Parachute

- □ No
- □ Yes
- □ Cannot determine

#### Double orifice LAVV

- □ No
- □ Yes
- □ Cannot determine

#### Other:

  ____________________________

#### Distance between two papillary muscles (cm)

  ____________________________

### Right Ventricle

- **RV Hypoplasia (Subjective assessment):**
  - □ None
  - □ Trivial
  - □ Mild
  - □ Moderate
  - □ Severe
  - □ Cannot determine

- **RV Area in End - Diastole (4 chamber view) (cm²):** 
  ____________________________

- **RV Area in End - Systole (4 chamber view) (cm²):** 
  ____________________________

- **Right Ventricle Fractional Area Change (Calculated field) (%):** 
  ____________________________

- **RV Dysfunction Systolic (Subjective assessment):**
  - □ None
  - □ Mild
  - □ Moderate
  - □ Severe
  - □ Cannot determine
Right Ventricle Apex-forming  
- No
- Yes
- Cannot determine

RV length From AV Valve to apex (at end of QRS complex) (cm)

RV width (from the crest of the septum- RV side- to the free wall) (cm)

<table>
<thead>
<tr>
<th>Right Ventricle Outflow Tract</th>
</tr>
</thead>
<tbody>
<tr>
<td>PV Annulus in systole (cm)</td>
</tr>
<tr>
<td>PV stenosis:</td>
</tr>
<tr>
<td>- None</td>
</tr>
<tr>
<td>- Trivial</td>
</tr>
<tr>
<td>- Mild</td>
</tr>
<tr>
<td>- Moderate</td>
</tr>
<tr>
<td>- Severe</td>
</tr>
<tr>
<td>- Cannot determine</td>
</tr>
<tr>
<td>PV regurgitation:</td>
</tr>
<tr>
<td>- None</td>
</tr>
<tr>
<td>- Trivial</td>
</tr>
<tr>
<td>- Mild</td>
</tr>
<tr>
<td>- Moderate</td>
</tr>
<tr>
<td>- Severe</td>
</tr>
<tr>
<td>- Cannot determine</td>
</tr>
<tr>
<td>RVOTO</td>
</tr>
<tr>
<td>- No</td>
</tr>
<tr>
<td>- Yes</td>
</tr>
<tr>
<td>- Cannot determine</td>
</tr>
<tr>
<td>If yes, level of obstruction</td>
</tr>
<tr>
<td>- Sub-valve</td>
</tr>
<tr>
<td>- Valvar</td>
</tr>
<tr>
<td>- Supravalvar</td>
</tr>
<tr>
<td>- Diffuse</td>
</tr>
<tr>
<td>- Cannot determine</td>
</tr>
<tr>
<td>Peak gradient (mmHg)</td>
</tr>
<tr>
<td>Mean gradient (mmHg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Left Ventricle</th>
</tr>
</thead>
<tbody>
<tr>
<td>LV Hypoplasia (Subjective assessment)</td>
</tr>
<tr>
<td>- None</td>
</tr>
<tr>
<td>- Trivial</td>
</tr>
<tr>
<td>- Mild</td>
</tr>
<tr>
<td>- Moderate</td>
</tr>
<tr>
<td>- Severe</td>
</tr>
<tr>
<td>- Cannot determine</td>
</tr>
<tr>
<td>PSSAx m-mode</td>
</tr>
<tr>
<td>LVEDD: (cm)</td>
</tr>
<tr>
<td>LVESD: (cm)</td>
</tr>
<tr>
<td>LV EF: (%)</td>
</tr>
<tr>
<td>LV area in End-Diastole (4 chamber view): (cm2)</td>
</tr>
</tbody>
</table>
LV area in End-Systole (4 chamber view): (cm²) ________________

Left Ventricle Fractional Area Change (calculated field) : (%) ________________

LV dysfunction Systolic ○ None ○ Mild ○ Moderate ○ Severe ○ Cannot determine

If abnormal, measure LVEF by biplane Simpson's (%) ________________

Left Ventricle Apex-forming ○ No ○ Yes ○ Cannot determine

LV length from AVV to apex (at end of QRS complex) (cm) ________________

LV width (from crest of septum- LV side- to free wall) (cm) ________________

If LV volume obtained by Simpson's method: (cm³) ________________

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**Left Ventricle Outflow Tract**

Smallest LVOT diameter in systole (cm) ________________

Left Ventricle Outflow Tract Obstruction: ○ No ○ Yes ○ Cannot determine

LVOTO Level of stenosis: ○ Sub-valvar ○ Valvar ○ Supravalvar ○ Cannot determine

LVOTO Type of Subvalvar Stenosis: ○ Fibromuscular ridge ○ Tunnel ○ Discrete membrane ○ Cannot determine

LVOTO Type of Supravalvar Stenosis: ○ Discrete ○ Diffuse ○ Cannot determine

Peak gradient (mmHg) ________________

Mean gradient (mmHg) ________________

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**Aortic Valve**

Aortic Annulus in systole (cm) ________________

Aortic root in systole (cm) ________________

Sinotubular junction in systole (cm) ________________
Aortic Valve Thickening
- None
- Trivial
- Mild
- Moderate
- Severe
- Cannot determine

Number of Leaflets
- Uni
- Bi
- Tri
- Cannot determine

Stenosis
- None
- Trivial
- Mild
- Moderate
- Severe
- Cannot determine

Regurgitation
- None
- Trivial
- Mild
- Moderate
- Severe
- Cannot determine

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Aortic Arch measurements

Ascending Aorta (measured from parasternal LA view in systole, just above the ST junction): (cm)

Transverse Arch (cm)

Isthmus (cm)

Descending aorta (cm)

Coarctation present
- No
- Yes
- Cannot determine

Location of Coarctation:
- Transverse
- LSCA
- Isthmus
- Descending aorta
- Cannot determine

Interrupted Arch
- No
- Yes
- Cannot determine

Peak Arch gradient (mmHg)

Mean Arch gradient (mmHg)

Flow direction in ascending arch:
- Antegrade
- Retrograde
- Bidirectional
- Cannot determine

Flow direction in transverse arch:
- Antegrade
- Retrograde
- Bidirectional
- Cannot determine
Flow direction in descending arch:
- Antegrade
- Retrograde
- Bidirectional
- Cannot determine

**Ductus Arteriosus**

- **Ductus patent**
  - No
  - Yes
  - Cannot determine

- **Ductal flow restrictive**
  - No
  - Yes
  - Cannot determine

- **Ductal flow in systole**
  - Left to Right
  - Right to Left
  - Cannot determine

- **Ductal flow in diastole**
  - Left to Right
  - Right to Left
  - Cannot determine

**Associated Cardiac Lesions**

- **Tetralogy of Fallot**
  - No
  - Yes
  - Cannot determine

**Systemic venous anomalies**

- **Systemic venous anomalies**
  - No
  - Yes
  - Cannot determine

- **LSVC to CS**
  - No
  - Yes
  - Cannot determine

- **LSVC Unroofed to LA**
  - No
  - Yes
  - Cannot determine

- **Bilateral SVCs**
  - No
  - Yes
  - Cannot determine

- **Interrupted IVC to RSVC/LSVC**
  - No
  - Yes
  - Cannot determine

**Other (specify)**

__________________________________