

Heart murmurs Intensity	
I / VI	need quiet room and trained ear to hear. (difficult to hear even by expert listeners)
II / VI	audible to anyone who listens attentively (usually audible by all listeners)
III / VI	loud, but not palpable (easy to hear even by inexperienced listeners, but without a palpable thrill)
IV / VI	loud and palpable: it produces a precordial thrill
V / VI	audible with your stethoscope placed perpendicular to chest wall
VI / VI	audible without a stethoscope

Describing a heart murmur ... (Cont.)

6. Pitch

High, medium, low.

7. Quality

Blowing, harsh, rumbling & musical.

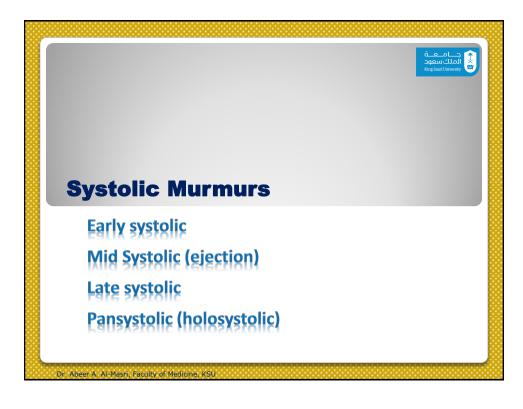
8. Others:

i. Variation with respiration:

Right sided murmurs change > left sided.

- ii. Variation with position of patient.
- iii. Variation with special maneuvers:

Valsalva \Rightarrow Murmurs ↓ in length & intensity.



SYSTOLIC MURMURS Derived from harsh & ↑ turbulence in flow. Associated with: 1. ↑ flow across normal valve. 2. ↑ flow into a dilated great vessel. 3. ↑ flow across an abnormal valve, or narrowed ventricular outflow tract - e.g. aortic /pulmonary stenosis. 4. ↑ flow across an incompetent AV valve - e.g. mitral/tricuspid regurgitation. 5. ↑ flow across the inter-ventricular septum - e.g. VSD.

