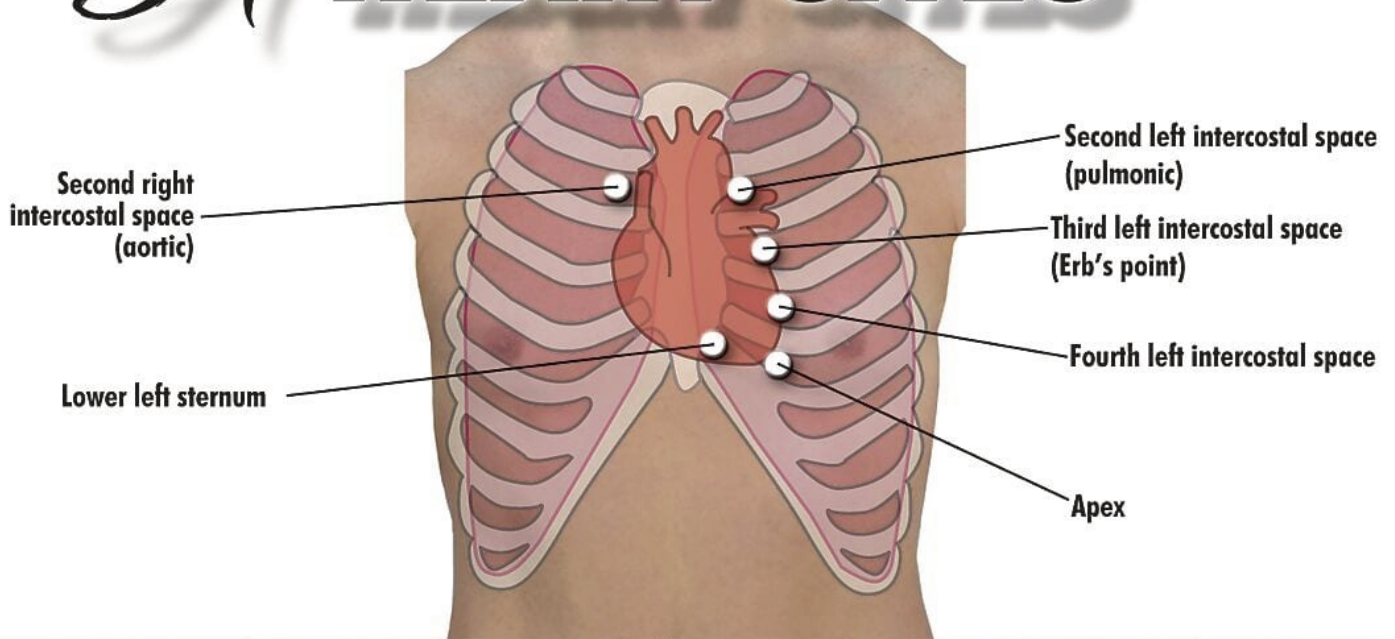


Anterior HEART SITES



	Aortic Second Right Intercostal Space	Pulmonic Second Left Intercostal Space	Erb's Point Third Left Intercostal Space	Fourth Left Intercostal Space	Lower Left Sternum	Apex
1. Normal	Normal, S2 Accentuated	Normal, S2 Accentuated	Normal, S2 Accentuated	Normal	Normal	Normal
2. Aortic Regurgitation	Ejection sound, loud mid-systolic & soft early diastolic murmur	Ejection sound, mild systolic murmur, early diastolic blowing murmur			Normal	Normal
3. Pulmonary Stenosis	Normal	Moderate 4th sound; harsh late-peaking systolic murmur; soft, late pulmonic 2nd sound	Normal	Normal	Normal	Normal
4. Mitral Stenosis	Normal	Normal	Severe held expiration, tachycardia: opening snap 0.3 seconds after loud 2nd sound	Constrictive Pericarditis/knock, inspiratory augmentation indicates a gallop of right ventricular origin	Normal	Held expiration, tachycardia: opening snap, mild diastolic & presystolic murmurs, loud 1st sound
5. Holosystolic Murmur	Normal	Normal	Normal	Normal	Patient has mitral regurgitation & frequent premature ventricular contractions. Murmur is crescendo-decrescendo with late-peaking soft S3 in mid diastole.	
6. Midsystolic Murmur	Normal	Normal	Normal	Normal	Patient with hypertrophic cardiomyopathy has a murmur that begins after S1 and ends before S2.	
7. S3 Gallop	Normal	Normal	Normal	Normal	Patient has a readily heard 3rd heart sound. S3 occurs later in diastole than the opening snap.	
8. S4 Gallop	Normal	Normal	Normal	Normal	Patient with left ventricular hypertrophy has a 4th sound (S4) that is not heard on every cycle. The sound is presystolic about 0.1 second before S1.	
9. Midsystolic Click	Normal	Normal	Normal	Normal	Patient has mitral prolapse that produces a mid-systolic click heard during inspiration.	
10. Atrial Septal Defect	Normal	Respiration: mid-systolic murmur, fixed split 2nd, soft 3rd, breath sounds with inspiration	Normal	Respiration: mid systolic murmur, fixed split 2nd, mid-diastolic murmur	Normal	Normal
11. Patent Ductus Arteriosus	Normal	Continuous murmur	Normal	Continuous murmur	Normal	Normal
12. Ventricular Septal Defect	Normal	Normal	Holosystolic murmur with late crescendo		Normal	Normal