

## Congenital Heart Disease Sounds

Free MP3 versions of accurate live recordings of normal and abnormal heart sounds teach auscultation skill and the relation of heart sounds to common cardiac diagnoses.

### Case 1 – ASD

4 year old girl, no symptoms. Normal growth and development. A quiet child, not as active as some other children. Examination: normal pulses, heart action is perhaps a little increased and maximal close to the left sternal edge. You listen at the left upper sternal edge.

### Case 2 – Pulmonary stenosis

9 year old boy, asymptomatic. Routine physical exam. Normal growth and development. Normal pulses and cardiac impulse. You listen at the left upper sternal border.

### Case 3 – PDA

4 year old boy, asymptomatic. Normal growth and development. On examination has slightly increased heart rate and radial and femoral pulses are definitely increased. Heart action also slightly increased. You listen in the left upper sternal edge.

### Case 4 – Aortic stenosis and regurgitation

10 year old with 10 days of fever, increased heart rate and bounding pulses. He looks tired and unwell. Normal past history regarding growth and development, no prior symptoms.

### Case 5 – Normal sounds

20 year old female, no symptoms, good health. Routine physical examination. Normal heart action and pulses. You listen at the left upper sternal edge using the diaphragm of the stethoscope.

### Case 6 – Bicuspid aortic valve

10 year old boy. Normal growth and development. No symptoms, routine physical exam for competitive hockey. Normal body habitus. Normal pulses and heart action. You listen in all 4 areas. At the apex here are the sounds: Listen. (There are a few crackles due to microphone noise on the skin; listen to the consistent sounds).

#### Case 7 – ASD

4 year old boy, completely healthy to past history and very active with no lack of energy, no breathlessness with exercise or other cardiac symptoms. On examination he looks normal but is slightly small for his age (35%ile for weight and height) and you find his heart action a bit increased particularly along the left sternal edge. Pulses are normal. You listen to his heart at the left upper sternal edge.

#### Case 8 – Innocent murmur and S3

Healthy 7 year old boy. Normal growth and development, no symptoms. Routine physical exam. Normal heart action and pulses. You listen at the apical area using the stethoscope bell.

#### Case 9 – VSD

7 year old girl, normal growth and development, no symptoms. Normal heart action and pulses. Routine examination. You listen at the left sternal edge, 4th interspace.

Have a question or a comment? Email [teachingheartauscultation@gmail.com](mailto:teachingheartauscultation@gmail.com)

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