

Appendix

Supplemental Table 1.

Positive and negative events in the CNN model to recognize systolic murmur and normal heart sounds.

	Echocardiographic diagnosis	
	VSD	Normal
CNN model test results		
Murmur-like	156	9
Normal-like	22	51

Supplemental Table 2.

Positive and negative events in the CRNN model to recognize systolic murmur and normal heart sounds.

	Echocardiographic diagnosis	
	VSD	Normal
CRNN model test results		
Murmur-like	163	4
Normal-like	15	56

Supplemental Table 3.

Positive and negative events in the TAP-CRNN model to recognize systolic murmur and normal heart sounds.

	Echocardiographic diagnosis	
	VSD	Normal
TAP-CRNN model test results		
Murmur-like	172	1
Normal-like	6	59

Supplemental Table 4.

Positive and negative events in the TAP-CRNN model to recognize systolic murmur and normal heart sounds in the aortic area.

	Echocardiographic diagnosis	
	VSD	Normal
TAP-CRNN model test results		
Murmur-like	42	1
Normal-like	2	11

Supplemental Table 5.

Positive and negative events in the TAP-CRNN model to recognize systolic murmur and normal heart sounds in pulmonic areas.

	Echocardiographic diagnosis	
	VSD	Normal
TAP-CRNN model test results		
Murmur-like	32	0
Normal-like	2	12

Supplemental Table 6.

Positive and negative events in the TAP-CRNN model to recognize systolic murmur and normal heart sounds in the second aortic area.

	Echocardiographic diagnosis	
	VSD	Normal
TAP-CRNN model test results		
Murmur-like	33	0
Normal-like	0	12

Supplemental Table 7.

Positive and negative events in the TAP-CRNN model to recognize systolic murmur and normal heart sounds in the tricuspid area.

	Echocardiographic diagnosis	
	VSD	Normal
TAP-CRNN model test results		
Murmur-like	33	0
Normal-like	0	12

Supplemental Table 8.

Positive and negative events in the TAP-CRNN model to recognize systolic murmur and normal heart sounds in the mitral area.

	Echocardiographic diagnosis	
	VSD	Normal
TAP-CRNN model test results		
Murmur-like	32	0
Normal-like	2	12