

Table 2. Performance Metrics

Metric	Value
Total test images (n)	80
-Normal (n)	62
-Abnormal (n)	18
Correctly classified normal images	61
Correctly classified abnormal images	18
Overall test accuracy	98.75%
Sensitivity (Recall)	100%
Specificity	98.4%
Precision (Positive Predictive Value)	94.7%
Negative Predictive Value	100%
F1-score	0.973
False positives	1
False negatives	0
Confusion matrix summary	[[61, 1], [0, 18]]
ROC-AUC	0.9955

Performance metrics were calculated using dynamic probability-threshold optimization rather than a fixed threshold, in order to reduce classification bias under class imbalance. Synthetic images were excluded from the real-only test evaluation.

Figure 1. Representative example of a normal fetal lateral ventricle ultrasound image included in the study. Filename: 256.png



Figure 2. Representative example of an abnormal fetal lateral ventricle ultrasound image showing ventricular enlargement. Filename: 259.png



Representative images are shown for illustrative purposes only and were not necessarily part of the test set.