■ Cardiac Abnormality Assessment Report

Report Generated: October 09, 2025 at 00:21
Analysis Type: Multimodal AI-Powered Assessment

Risk Assessment Summary

Cardiac Risk Probability	**73.1%**
Risk Level	Level 4 of 5
Risk Category	High Risk

Clinical Interpretation

High probability of cardiac abnormality detected

Medical Recommendations

Recommendation: Urgent medical evaluation required

Action Required: Schedule immediate cardiology consultation and comprehensive cardiac workup

AI Explainability Analysis

Primary Driver: ECG
The prediction was primarily driven by ECG data (73.8% contribution). Clinical data also played a significant role (25.3% contribution).

Modality Contributions

Modality	Contribution	Impact	Interpretation
ECG (Electrocardiogram)	73.8%	0.201	ECG data strongly influenced this prediction
PCG (Phonocardiogram)	0.9%	0.002	PCG data had minor influence on this prediction
Clinical Data	25.3%	0.069	Clinical data had minor influence on this prediction

Top Clinical Features

Feature	Importance	Interpretation
CAA	6.4%	Number of major vessels had critical impact on prediction
RESTECG	5.8%	Resting ECG results had critical impact on prediction
THALACHH	4.4%	Maximum heart rate had significant impact on prediction
EXNG	3.3%	Exercise induced angina had significant impact on prediction
OLDPEAK	2.3%	ST depression had significant impact on prediction

Confidence Assessment

Confidence Level: GOOD
Prediction confidence is good.

Summary

This patient shows high risk of cardiac abnormality (probability: 73.1%). The prediction is primarily based on ECG data. Among clinical features, caa is the most influential.