■ Cardiac Abnormality Assessment Report

Report Generated: October 09, 2025 at 00:26
Analysis Type: Multimodal AI-Powered Assessment

Risk Assessment Summary

Cardiac Risk Probability	**69.5%**
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 (70.9% contribution). Clinical data also played a significant role (28.3% contribution).

Modality Contributions

Modality	Contribution	Impact	Interpretation
ECG (Electrocardiogram)	70.9%	0.219	ECG data strongly influenced this prediction
PCG (Phonocardiogram)	0.8%	0.003	PCG data had minor influence on this prediction
Clinical Data	28.3%	0.087	Clinical data had minor influence on this prediction

Top Clinical Features

Feature	Importance	Interpretation
CAA	8.3%	Number of major vessels had critical impact on prediction
OLDPEAK	7.0%	ST depression had critical impact on prediction
RESTECG	5.5%	Resting ECG results had critical impact on prediction
THALACHH	4.3%	Maximum heart rate had significant impact on prediction
EXNG	3.5%	Exercise induced angina had significant impact on prediction

Confidence Assessment

Confidence Level: GOOD
Prediction confidence is good.

Summary

This patient shows high risk of cardiac abnormality (probability: 69.4%). The prediction is primarily based on ECG data. Among clinical features, caa is the most influential.