

# ■ Cardiac Abnormality Assessment Report

Report Generated: October 08, 2025 at 21:58  
Analysis Type: Multimodal AI-Powered Assessment

## Risk Assessment Summary

Cardiac Risk Probability	55.5%
Risk Level	Level 3 of 5
Risk Category	Moderate Risk

## Clinical Interpretation

Moderate probability of cardiac abnormality

## Medical Recommendations

**Recommendation:** Further diagnostic testing advised  
**Action Required:** Consult with cardiologist for additional tests (stress test, echo)

## AI Explainability Analysis

**Primary Driver:** Clinical  
*The prediction was primarily driven by Clinical data (99.8% contribution).*

### Modality Contributions

Modality	Contribution	Impact	Interpretation
ECG (Electrocardiogram)	0.0%	0.000	ECG data had minor influence on this prediction
PCG (Phonocardiogram)	0.2%	0.001	PCG data had minor influence on this prediction
Clinical Data	99.8%	0.439	Clinical data strongly influenced this prediction

### Top Clinical Features

Feature	Importance	Interpretation
CAA	33.1%	Number of major vessels had critical impact on prediction
OLDPEAK	18.3%	ST depression had critical impact on prediction
EXNG	12.6%	Exercise induced angina had critical impact on prediction
THALACHH	10.9%	Maximum heart rate had critical impact on prediction
RESTECG	7.8%	Resting ECG results had critical impact on prediction

**Confidence Assessment**

**Confidence Level:** MODERATE

*Prediction confidence is moderate. Consider additional diagnostic tests.*

**Summary**

This patient shows high risk of cardiac abnormality (probability: 55.5%). The prediction is primarily based on Clinical data. Among clinical features, caa is the most influential.

**DISCLAIMER:** This report is generated by an AI-powered decision support system and should not replace professional medical judgment. All predictions should be interpreted by qualified healthcare professionals in conjunction with clinical examination, patient history, and additional diagnostic tests. This tool is intended for research and clinical decision support only.