

■ Cardiac Abnormality Assessment Report

Report Generated: October 08, 2025 at 21:22
Analysis Type: Multimodal AI-Powered Assessment

Risk Assessment Summary

Cardiac Risk Probability	100.0%
Risk Level	Level 5 of 5
Risk Category	Very High Risk

Clinical Interpretation

Very high probability of cardiac abnormality

Medical Recommendations

Recommendation: Immediate medical attention required
Action Required: Emergency cardiology referral - consider ER evaluation if symptomatic

AI Explainability Analysis

Primary Driver: Clinical
The prediction was primarily driven by Clinical data (100.0% contribution).

Modality Contributions

Modality	Contribution	Impact	Interpretation
ECG (Electrocardiogram)	0.0%	0.000	ECG data had minor influence on this prediction
PCG (Phonocardiogram)	0.0%	0.000	PCG data had minor influence on this prediction
Clinical Data	100.0%	0.006	Clinical data strongly influenced this prediction

Top Clinical Features

Feature	Importance	Interpretation
TEMP	98.5%	Body temperature/SpO2 had critical impact on prediction
AGE	0.0%	Patient age had minor impact on prediction
SEX	0.0%	Patient sex had minor impact on prediction
CP	0.0%	Chest pain type had minor impact on prediction
TRTBPS	0.0%	Resting blood pressure had minor impact on prediction

Confidence Assessment

Confidence Level: HIGH
Prediction confidence is high based on strong signal across modalities.

Summary

This patient shows high risk of cardiac abnormality (probability: 100.0%). The prediction is primarily based on Clinical data. Among clinical features, temp 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.