

# ECG/PPG Analysis Report

Patient ID: DEMO\_001

Generated: 2025-09-18 11:24:45

Multimodal Arrhythmia & Stroke Risk Assessment

## Executive Summary

### Stroke Risk Assessment

**Risk Level:** Low

Risk Score: 0.50 (0.0 = Low Risk, 1.0 = High Risk)

**Recommendation:** Continue routine monitoring.

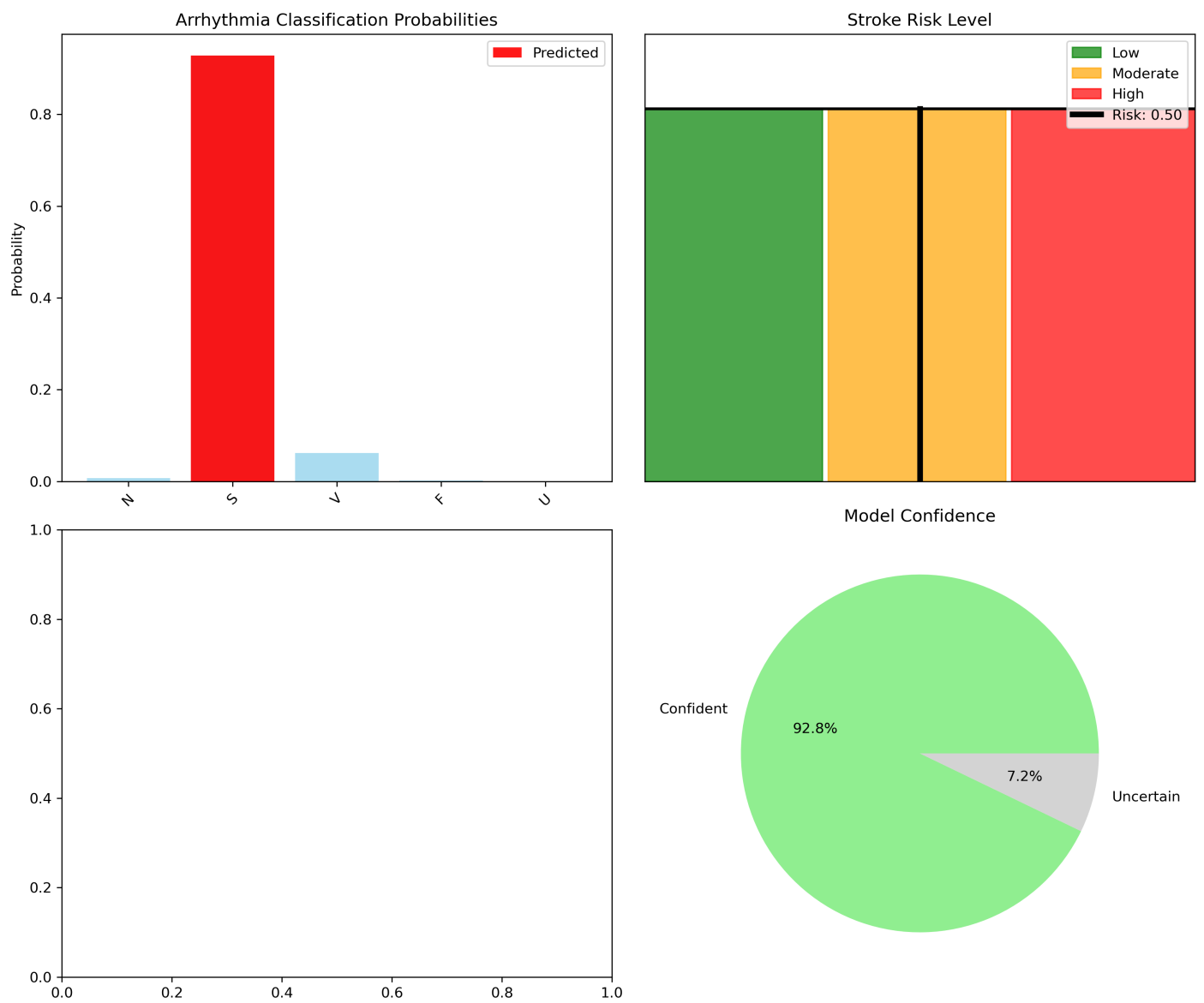
### Arrhythmia Classification

**Predicted Class:** S

Confidence: 0.93

**Clinical Significance:** Abnormal rhythm detected - medical review recommended.

# Summary Visualization



# Patient Information

Model Version	v1.0
Processing Time	0.15
Signal Quality	Good
Analysis Timestamp	2025-09-18T11:24:45.221161

# Clinical Context & Recommendations

## Arrhythmia Classification

The model classified the cardiac rhythm based on ECG patterns. Key considerations:

- **Normal (N):** Regular sinus rhythm
- **Supraventricular (S):** Abnormal rhythm originating above ventricles
- **Ventricular (V):** Abnormal rhythm originating from ventricles - potentially serious
- **Fusion (F):** Mixed rhythm patterns
- **Unknown (Q):** Pattern not clearly classifiable

## Stroke Risk Factors

The stroke risk assessment considers multiple physiological indicators from both ECG and PPG signals:

- Heart rate variability patterns
- Arrhythmia presence and type
- Pulse wave characteristics from PPG
- Signal morphology features

## Next Steps

**Urgent:** Recommend immediate cardiology consultation and comprehensive cardiac evaluation.

**Important Disclaimer:** This report is generated by an AI system for clinical decision support. It should not replace professional medical judgment. All findings should be interpreted by qualified healthcare professionals in the context of the complete clinical picture. The model's predictions are based on signal analysis and may not capture all relevant clinical factors.