

# STRESS TEST RESULTS - JANE SMITH

Test Date: 12/10/2024 | Provider: Cardiology

## PATIENT INFORMATION

Name: Jane Elizabeth Smith      DOB: 03/22/1975  
MRN: 789012345      Test ID: ST-2024-001235  
Referring Physician: Cardiology  
Clinical History: Chest pain and shortness of breath for 2 weeks

## TEST PROTOCOL

Test Type: Exercise Stress Test with Nuclear Imaging  
Protocol: Bruce Protocol  
Imaging Agent: Technetium-99m Sestamibi  
Dose: 25 mCi at rest, 25 mCi at peak exercise  
Camera: GE Discovery NM/CT 670

## EXERCISE PARAMETERS

Peak Heart Rate: 145 bpm (85% of predicted maximum)  
Peak Blood Pressure: 168/95 mmHg  
Exercise Duration: 8 minutes 30 seconds  
METs Achieved: 8.5 METs  
Reason for Termination: Patient fatigue and dyspnea  
ECG Response: Normal sinus rhythm throughout

## ECG FINDINGS

Resting ECG: Normal sinus rhythm, no acute changes  
Exercise ECG: 2mm ST depression in leads II, III, aVF  
Peak Exercise: 3mm ST depression in leads II, III, aVF, V4-V6  
Recovery: ST depression persisted for 5 minutes post-exercise  
Arrhythmias: None noted

## NUCLEAR IMAGING FINDINGS

### REST IMAGES:

Normal myocardial perfusion at rest  
No fixed perfusion defects identified  
Normal left ventricular function

### STRESS IMAGES:

Large reversible perfusion defect in the inferior wall  
Moderate reversible perfusion defect in the lateral wall  
No fixed perfusion defects  
Left ventricular ejection fraction: 45% (mildly reduced)

## IMPRESSION

- POSITIVE STRESS TEST - Evidence of myocardial ischemia
- Reversible perfusion defects in inferior and lateral walls
- ST depression on exercise ECG consistent with ischemia
- Mildly reduced left ventricular function