

APPENDIX 1:
TEMPLATE FOR EXERCISE MYOCARDIAL PERFUSION IMAGING

Stress/Rest (or Rest/Stress) Single-/Dual-Isotope SPECT Imaging with Exercise Stress and Gated SPECT Imaging

Indication (select one)

Diagnosis of coronary disease
Evaluation of extent and severity of coronary artery disease
Evaluation of myocardial viability
Risk stratification - post-myocardial infarction (MI)/preoperative/general
Assessment of acute chest pain

Clinical History

____ year old man/woman with (no) known coronary artery disease
Cardiac risk factors include: ____
Previous cardiac procedures include: ____
Current symptomatology includes: ____

Procedure

The patient performed treadmill exercise/bicycle exercise using a modified Bruce/Bruce/Naughton/____ protocol, completing ____ minutes and completing an estimated workload of ____ metabolic equivalents (METs). The heart rate was ____ beats per minute at baseline and increased to ____ beats at peak exercise, which was ____% of the maximum predicted heart rate. The blood pressure response to exercise was normal/hypotensive/hypertensive. The patient did/did not develop any symptoms other than fatigue during the procedure; specific symptoms include _____. The resting electrocardiogram demonstrated ____ and did/did not show ST-segment changes consistent with myocardial ischemia.

Myocardial perfusion imaging was performed at rest (____ minutes following the intravenous injection of ____ mCi of ____). At peak exercise, the patient was injected intravenously with ____ mCi of ____ and exercise was continued for ____ minute(s). Gating post-stress tomographic imaging was performed ____ minutes after stress (and rest).

Findings

The overall quality of the study is poor/fair/good/excellent. Attenuation artifact was present/absent. Left ventricular cavity is noted to be normal/enlarged on the rest (and/or stress) studies. There is evidence of abnormal lung activity. Additionally, the right ventricle is normal/abnormal (specify: ____).

SPECT images demonstrate homogeneous tracer distribution throughout the myocardium *OR* a small/moderate/large perfusion abnormality of mild/moderate/severe severity is present in the ____ (location) region on the stress images. The rest images reveal _____. Gated SPECT imaging reveals normal myocardial thickening and wall motion. *OR* Gated SPECT imaging demonstrates hypokinesis/dyskinesis/akinesis of the ____ (location). The left ventricular ejection fraction was calculated to be ____% *OR* the left ventricular ejection fraction was normal (>60%).

Impression

Myocardial perfusion imaging is normal/abnormal. There is a small/moderate/large area of ischemia/infarction in the ____ location. Overall left ventricular systolic function was normal/abnormal with/without regional wall motion abnormalities (as noted above). Compared to the prior study from ____ (date), the current study reveals _____.