

**Exam:** One-Day Rest/Stress Tc-99M Sestamibi - Bruce

**Name:** Kay, Demo (Abn 1 Day Tc99m) (Female)

**Date of Birth:** 2/1/1950 (51)

**ID:** 88730

**Date of Procedure:** 1/17/2002

**Primary Attending:** John Anderson, M.D.

**Clinical Indications:** abnormal EKG

**Cardiac Risk Factors:** known CAD

**Past Cardiac Procedures:** CABG

**Medications:** none reported

**Other Conditions:** none reported

**Protocol:** One-Day Rest/Stress Tc-99M Sestamibi - Bruce

The patient was brought to the nuclear laboratory and given 10.0 mCi of Tc-99m sestamibi intravenously. Approximately 15 minutes later, the patient had the resting images performed. The patient exercised under the supervision of a physician for a total of 7 min(s), 33 sec(s) achieving stage 6 (8.0 METS) of the Bruce protocol. Exercise was terminated because the target heart rate was achieved. After the IV administration of 30.0 mCi of Tc-99m sestamibi at peak exercise, stress tomographic images of the heart were obtained. John Anderson was available for the stress portion of the study.

**Clinical Findings:**

**Exercise:** 7 min(s), 33 sec(s) achieving stage 6 (8.0 METS)

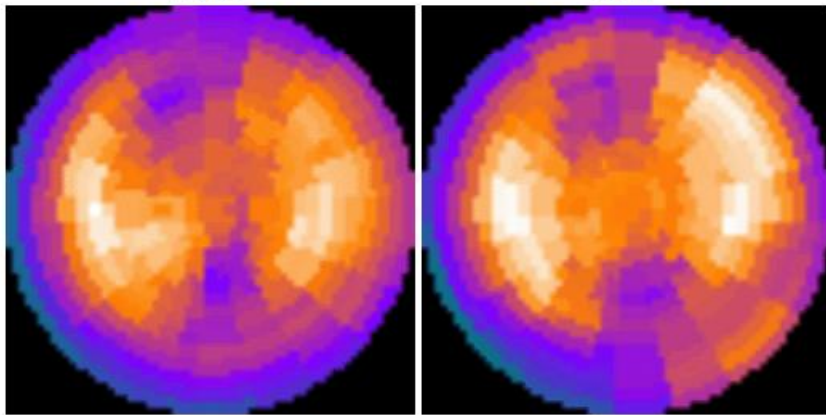
**Baseline:** HR = 66 BP = 110/80 **Peak:** HR = 102 BP = 120/99

**Nuclear Perfusion Findings:**

There is a moderate in size, moderate in severity, fixed defect involving the basal anterior, mid anterior and apical anterior segments. This is consistent with scar involving the LAD. There is a moderate in size, mild in severity defect involving the basal inferolateral, mid inferolateral, mid anterolateral and apical lateral segments. The basal inferolateral and mid anterolateral segments are minimally reversible. The mid inferolateral and apical lateral segments are fixed. This is consistent with scar involving the LCx. There is a moderate in size, moderate in severity, fixed defect involving the basal inferior, mid inferior and apical inferior segments. This is consistent with scar involving the RCA.

**Stress**

**Rest**



**Nuclear Wall Motion Findings:**

Post stress: Global systolic function is normal. The ejection fraction calculated at 61%. The diastolic volume calculated at 100 mL and systolic volume calculated at 39 mL. At rest: The diastolic volume calculated at 100 mL and systolic volume calculated at 39 mL.

**Impressions:**

- Post stress: The ejection fraction calculated at 61%. The diastolic volume calculated at 100 mL and systolic volume calculated at 39 mL. At rest: Global systolic function is normal. The diastolic volume calculated at 100 mL and systolic volume calculated at 39 mL.

**Reviewer:** John Anderson, M.D.