

**ANESTHESIA AND CRITICAL CARE RESEARCH FOUNDATION  
TEST RATIONALE REPORT v.2.1 (c) 1992, 1993**

70-year old

ASIAN

FEMALE

ID# 1839751

8/02/93

Listed below is the rationale for each laboratory test suggested for the patient. Please consult the Preoperative Test Selection Software Manual for a complete description, with reference to clinical practice guidelines and the best medical evidence available.

---

**RATIONALE FOR DETERMINING BUN/CREATININE LEVELS:**

- 1 If the answer to Q 577 ("Do you have high blood pressure?") is YES or NOT SURE:

Hypertensive patients often have abnormal renal function. In fact, one of the goals of treating hypertension is to prevent renal dysfunction.

- 2 If the answer to Q 617 ("Do you currently take any medication for high blood pressure?") is YES or NOT SURE:

Hypertensive patients often have abnormal renal function. In fact, one of the goals of treating hypertension is to prevent renal dysfunction.

---

**RATIONALE FOR OBTAINING AN ECG:**

- 1 If the answer to Q 529 ("Have you been told you have a heart murmur or rheumatic fever?") is YES or NOT SURE:

Although heart murmurs and rheumatic fever do not necessarily produce abnormalities on ECG, when abnormalities are found on ECG, they can often be a help in diagnosing left atrial or ventricular enlargement from either volume or pressure overload. ICD-9 \_\_\_\_\_

- 2 If the answer to Q 561 ("Do you become short of breath after climbing one flight of stairs or after walking a short distance?") is YES:

HealthQuiz outcome studies show that patients who have a history of dyspnea after climbing one flight of stairs or walking one block are at higher risk of ECG abnormalities. ICD-9 \_\_\_\_\_

- 3 If the answer to Q 577 ("Do you have high blood pressure?") is YES or NOT SURE:

One of the adverse concomitants of hypertension is left ventricular hypertrophy. Although the sensitivity of the ECG for the detection of left ventricular hypertrophy is debated, the ECG costs less than an echocardiogram for the detection of hypertrophy. In the absence of echocardiography and in the presence of high blood pressure, an ECG may be used as an initial screening test. ICD-9 \_\_\_\_\_

- 4 If the answer to Q 617 ("Do you currently take any medicine to control high blood pressure?") is YES or NOT SURE:

One of the adverse concomitants of hypertension is left ventricular hypertrophy. Although the sensitivity of the ECG in detecting left hypertrophy is debated, the ECG costs less than an echocardiogram for the detection of hypertrophy. In the absence of echocardiography and the presence of high blood pressure, an ECG may be used as an initial screening test. ICD-9 \_\_\_\_\_