

1. What percentage of symptomatic patients with a calcium score of zero will have hemodynamically significant stenosis?

a. <1%

b. 1-10%

c. 15-25%

d. >25%

Correct answer is B

2. Which of the following examinations is generally thought to produce the lowest radiation effective dose (E)?

a. Coronary CT angiography with field of view focused on the heart, but without ECG dose modulation.

b. Myocardial perfusion imaging utilizing a dual isotope protocol with 30 mCi Tc99m and 3mCi of Tl201.

c. Myocardial perfusion imaging utilizing a two day protocol with Tc99m (30mCi for both injections).

d. Diagnostic invasive coronary angiography via the femoral approach.

Correct answer is D

3. What is the major advantage of using prospective axial scanning over retrospective helical scanning for calcium scoring?

a. A reduction in radiation dose

b. A reduction in bloom artifacts

c. A shorter breath hold

d. Improved temporal resolution

Correct answer is A