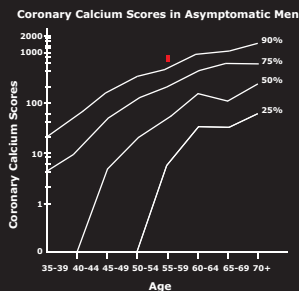
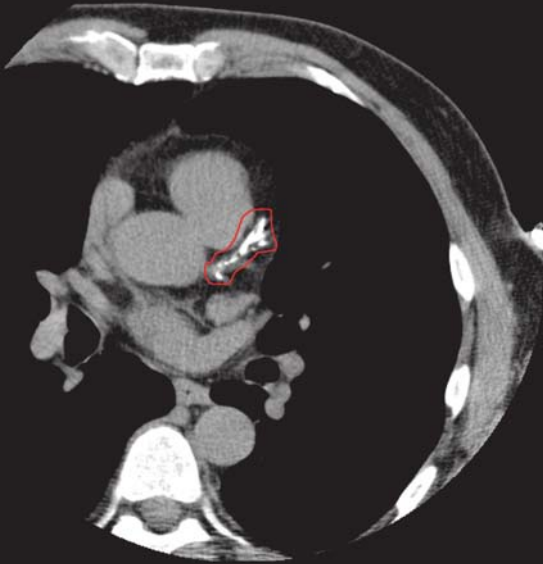


## WHAT IS CORONARY ARTERY CALCIUM SCORING?



### Fast and Non-invasive

This is a non-invasive test with a CT scanner and does not require the use of an injected contrast agent. The test takes only a few minutes and allows for precise determination of the extent of coronary artery calcification.

### Predicts Future Cardiac Events

Coronary artery calcification is diagnostic of coronary artery atherosclerosis and quantitative evaluation correlates well with the extent of overall atherosclerotic plaque burden. The higher the score the greater the plaque burden and the higher the risk for cardiac events in both asymptomatic and symptomatic patients.

### Improved Risk Profiling

Calcium score alone is more predictive than all other risk factors (increased cholesterol, reduced HDL, history of smoking/hypertension) to assess the risk of developing symptomatic coronary disease. (Circulation 2002) (Prev Medicine 2002)

PREDICTING CARDIAC  
EVENTS WITH CORONARY  
ARTERY CALCIUM SCORING

## WHO SHOULD CONSIDER THE TEST?

### Indications

- Males over 40 and females over 50 with one or more of the following risk factors:
  - family history of heart disease
  - smoking
  - diabetes
  - high cholesterol
  - high blood pressure
  - overweight
  - postmenopausal women under 50
- Patients with borderline indication for prevention therapy (ie. elevated lipids) who are undecided about taking necessary medication or committing to aggressive therapy.

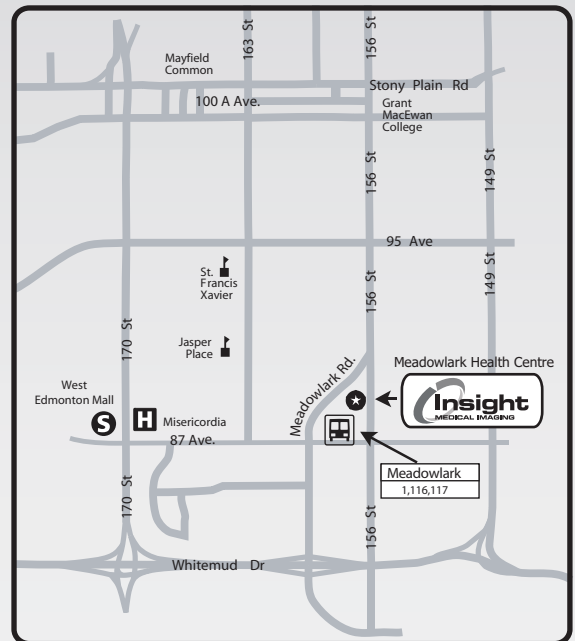
### Limitations

Patients who have already had a heart attack or who have had another test showing coronary artery disease will not likely obtain additional information from a coronary artery calcium score. Patients over 75, who already have a high probability of coronary artery disease, will likely not benefit from this test. This test does not define the severity or location of a particular individual stenosis and is not a substitute for stress testing, nuclear cardiology, or angiography.

## BOOKING A CORONARY ARTERY CALCIUM SCORING EXAM

If you would like to know more about Coronary Artery Calcium Scoring or to book an exam, speak with your doctor or visit us online at:

[www.x-ray.ca](http://www.x-ray.ca)



### Insight Medical Imaging

200 Meadowlark Health Centre  
156 Street and 89 Avenue  
Edmonton, AB T5R 5W9