Substernal chest tightness

A 60-year-old man official presents with an 8-week history of substernal chest tightness and pressure that radiates to the left arm. The discomfort occurs predictably after 5 minutes of exercise and causes him to stop all activity. His symptoms gradually increase in intensity and resolve with 3 to 4 minutes of rest. Breathing and position do not change his symptoms. He does not have any dyspnea, sweating, nausea, or vomiting. He does not currently have any symptoms. He has a history of HTN that is controlled with hydrochlorothiazide. His father has diabetes and both parents have HTN. He has smoked a pack of cigarettes a day since he was 25 years old. Physical examination, vital signs, and resting EKG are normal.

1. Classify causes of chest pain? And indicate the differentiating features for each?
2. What is the most likely cause of his symptoms?
3. Briefly describe the pathogenesis of his disease?
4. Outline the necessary tests for this patient?
5. Outline non pharmacologic and pharmacologic treatment?