

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 hydrchlorothiazide. 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?**