



68 year old male presents with first episode of chest pain radiating to his jaw and right arm with diaphoresis and nausea during a round of golf. His symptoms were relieved by GTN administered during ambulance transport. He is a smoker who suffers from hypertension and a family history of ischaemic heart disease. His ECG is consistent with LVH and his initial Troponin is normal.

**Q1. Complete the following table by naming the components and outlining the details of the HEART score in risk stratification of chest pain patients (10 Marks)**

	Component	Detail
H	History	Slight, Moderately or Highly Suspicious
E	ECG	Normal, Non-specific Repolarization, Significant ST-deviation
A	Age	<45, 45-64, > 65
R	Risk Factors	None, 0-2 factors, >3 factors
T	Troponin (initial)	Normal, 1-3 x normal limit, > 3x normal limit

**Q2. Calculate this patient's HEART score and outline your management for this patient. (2 marks)**

HEART score = 7 (50-65% risk of MACE – major adverse cardiac event).

This patient should be considered for inpatient admission and investigation by Cardiologist. The HEART score studies considered them for early invasive measures.