



A 57 yr old man with previous MI's presents to the A&E department complaining of dizziness and shortness of breath for 4 hours. Discussion ensues as to the nature of the rhythm on his ECG.

Name 3 possible rhythms this might be 2 marks
Ventricular Tachycardia, SVT with aberrant conduction, AF with pre-excitation

Describe the following (which would support a diagnosis of VT) 3 marks
 Capture beats: *Normal QRS complex occurring after a p wave*
 Fusion beats: *Combined normal and abnormal complexes*
 Concordance: *All QRS complexes of the same polarity*

Name 4 other feature which support a diagnosis of VT 2 marks
Very broad QRS, AV dissociation, bifid upright QRS with taller 1st peak in V1, Deep s wave in V6

What actually is the rhythm? 2 marks

AF with preexcitation

How would you manage this patient if he was pain free and cardiovascularly stable? 1 mark

Chemical cardioversion