A 78yo man presents with a history of palpitations and a clear onset of 4 hours prior to presentation. He has a background history of hypertension and stroke with no residual deficit 6 years ago and is on no medication. His ECG shows atrial fibrillation with no ischaemic changes and a rate of 80-90 beats per minute. His BP is 140/90 and there is nothing to find on examination.

1. Justify returning this patient to sinus rhythm (2 marks)

2. Your resident wants to start a magnesium infusion for this patient. How will you respond to them? Justify your answer (1 marks)

3. List 3 factors that you would elicit from this patient when deciding an anticoagulation regime (3 marks)

4. List 2 approaches to pharmacological reversion in this patient and justify your choices (4 marks)