

1. Application of Course Knowledge: Answer all questions/criteria with explanations and detail.

a. **Describe your assigned client's situation. Why are they presenting to the clinic? What medications are they currently taking?**

The assigned patient is Mr. King, a 65-year-old male who just got discharge from the hospital with a diagnosis of atrial fibrillation. He is scheduled to have an ablation, and he needs to be on anti-coagulation while waiting for the procedure. Laboratory results are within normal limits and an INR of 1. Patient is taking hydrochlorothiazide 25mg OD PO, metformin 500mg BID PO, captopril 25 mg PO q12 and verapamil 120mg TID PO. Patient also has been prescribed with rivaroxaban 20mg ODPM.

b. **Assess the applicable clinical practice guideline (CPG) for your assigned client linked on the same page in the lesson where the client case is located. What treatment is recommended by the CPG for your client's situation?**

According to the Clinical Practice Guidelines (CPG), ablation is considered the most effective treatment for patients with symptomatic atrial fibrillation (AF) under specific circumstances. In patients where antiarrhythmic drugs have proven ineffective, are contraindicated, poorly tolerated, or not preferred, catheter ablation is a recommended option for maintaining rhythm control and improving symptoms. This approach is particularly beneficial for patients who continue to experience symptoms despite other treatments (Joglar et al., 2024). In addition, patients with fewer comorbidities who have paroxysmal AF, catheter ablation may be considered as a first-line treatment. In such cases, ablation not only improves symptoms but also reduces the risk of progression to persistent AF. The effectiveness of catheter ablation in restoring normal heart rhythm and providing long-term symptom relief makes it the preferred strategy for these selected patient populations, as outlined in the CPG.

c. **Discuss your personal professional assessment of the client's situation provided in the scenario. What pharmacological treatment is necessary and why?**