



Email:

ashley.chin1@uct.ac.za

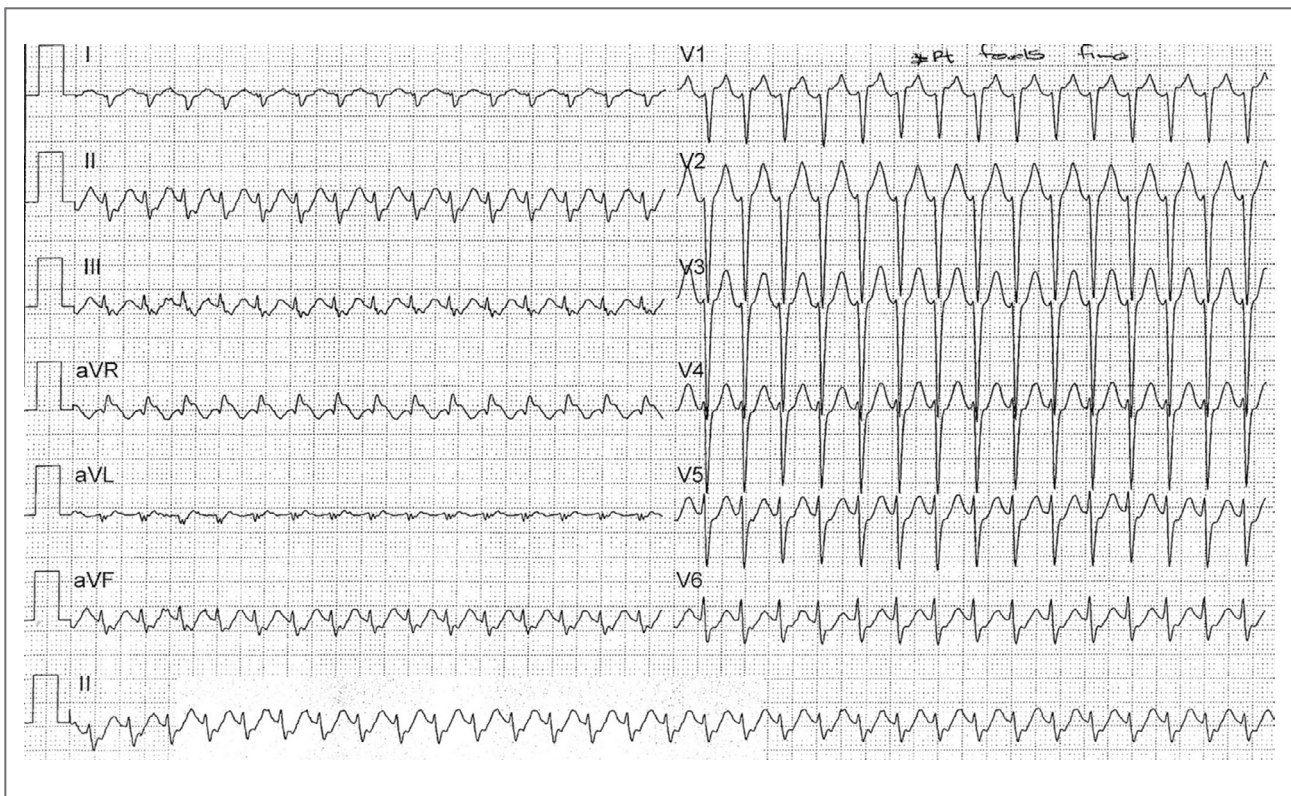
A Chin  <https://orcid.org/0000-0001-6930-3673>

RS Millar  <https://orcid.org/0000-0002-5608-0623>

DOI: <https://doi.org/10.24170/22-4-7878> | <https://doi.org/10.24170/22-4-7948>

Creative Commons License - CC BY-NC-ND 4.0

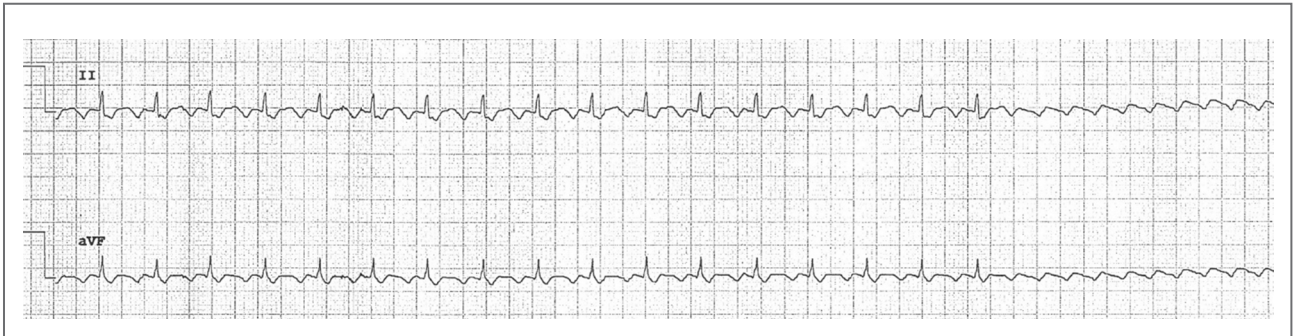
A 68-year-old man has an electrocardiogram (ECG) performed in the emergency room for an acute episode of palpitations. The patient received an oral antiarrhythmic drug before this ECG.



QUESTION: Which one of the following is the best diagnosis?

1. Atrioventricular-nodal re-entrant tachycardia (AVNRT).
2. Atrial flutter.
3. Atrial tachycardia.
4. Atrioventricular re-entrant tachycardia (AVRT).
5. All the above are possible.

You find the rhythm strip of the presenting arrhythmia (before administration of the antiarrhythmic drug) with carotid sinus massage:



QUESTION: What is the final diagnosis? What antiarrhythmic drug did the patient most likely receive?

Please analyse the ECG carefully and commit yourself to an answer before checking the explanation.

ANSWER on page 49