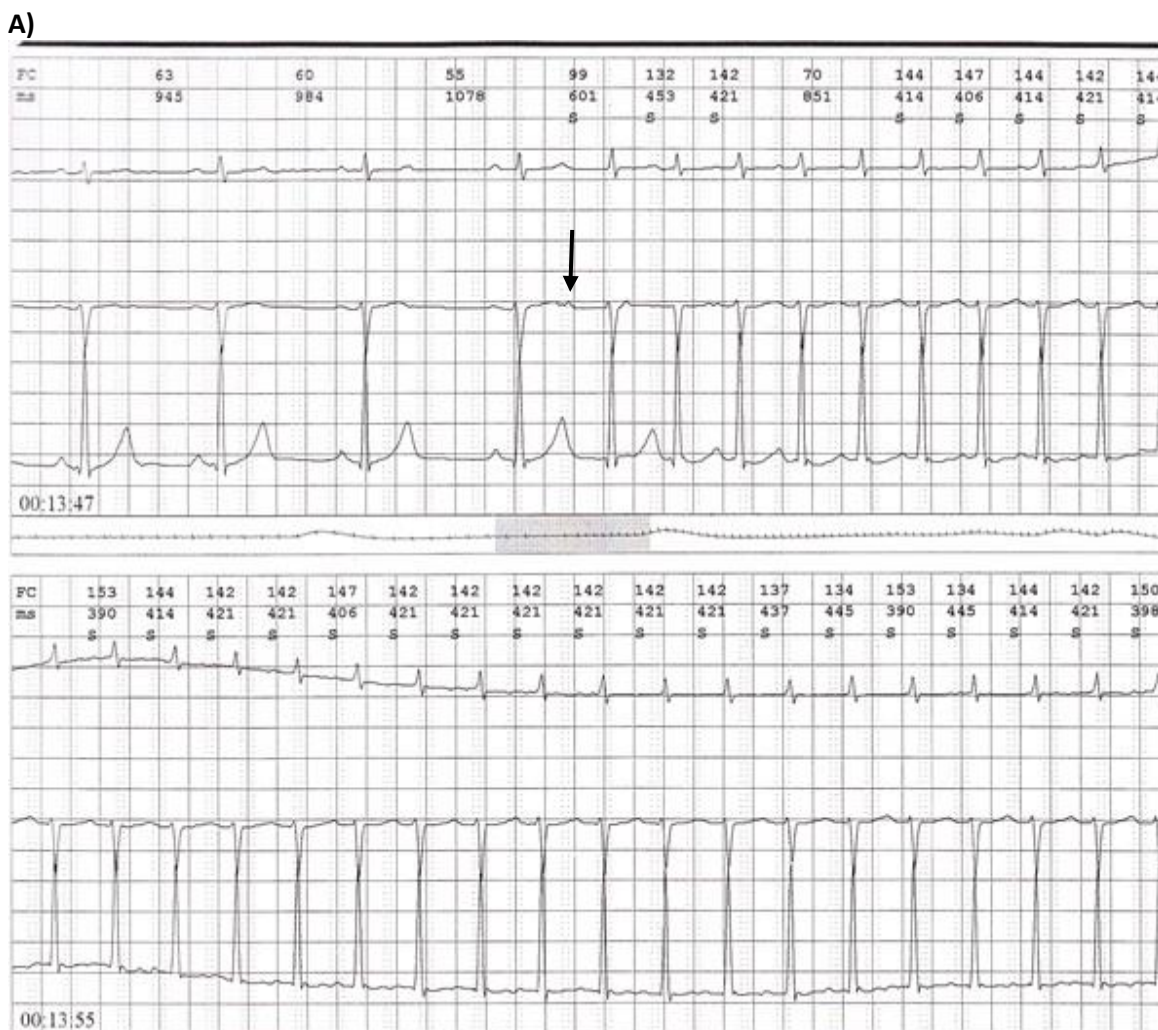


## QUIZ : ELECTROPHYSIOLOGY

### Presentation

A 38-year-old female patient is referred for paroxysmal episodes of recurrent palpitations (2-3 attacks per week), since 2 years. She does not have neither past medical history nor structural heart disease, excluded by echocardiography. The 24-hour

Holter recorded several episodes of narrow QRS tachycardia (mean cycle length 420 ms). From the top, the leads presented are leads I, V1 and II.



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B)



**What is the most likely diagnosis ?**

- 1) Atrial tachycardia with first degree atrioventricular block
- 2) An accessory pathway-mediated tachycardia
- 3) Inappropriate sinus tachycardia with first degree atrioventricular block
- 4) Sequential anterograde conduction through the slow pathway explaining the long PR interval and then beginning of a slow-fast atrioventricular nodal reentrant tachycardia (on Panel B)

5) Atrioventricular nodal reentrant tachycardia with alternation of 1 :1 conduction, aberrancy on one bundle and 2 :1 infra-Hisian block

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