

## Quiz: Electrophysiology

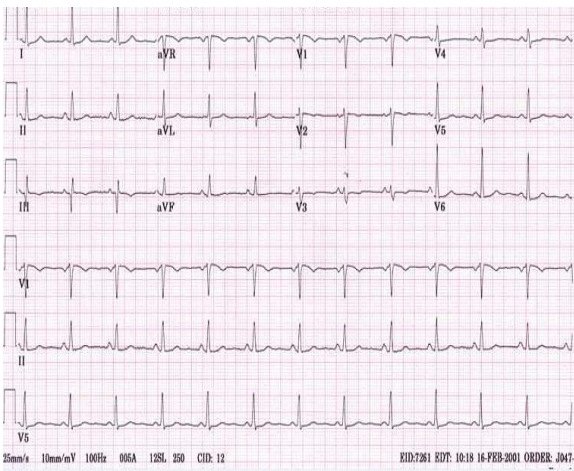


Figure 1. Twelve-lead resting ECG (paper speed 25 mm/s) showing normal sinus rhythm with a short PQ interval, but there is no clear "Delta" wave in any lead

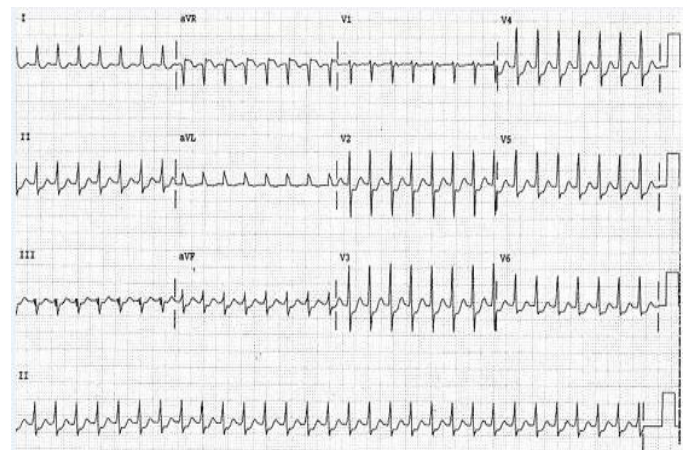


Figure 2. Twelve-lead ECG taken during supraventricular tachycardia (paper speed 25 mm/s)

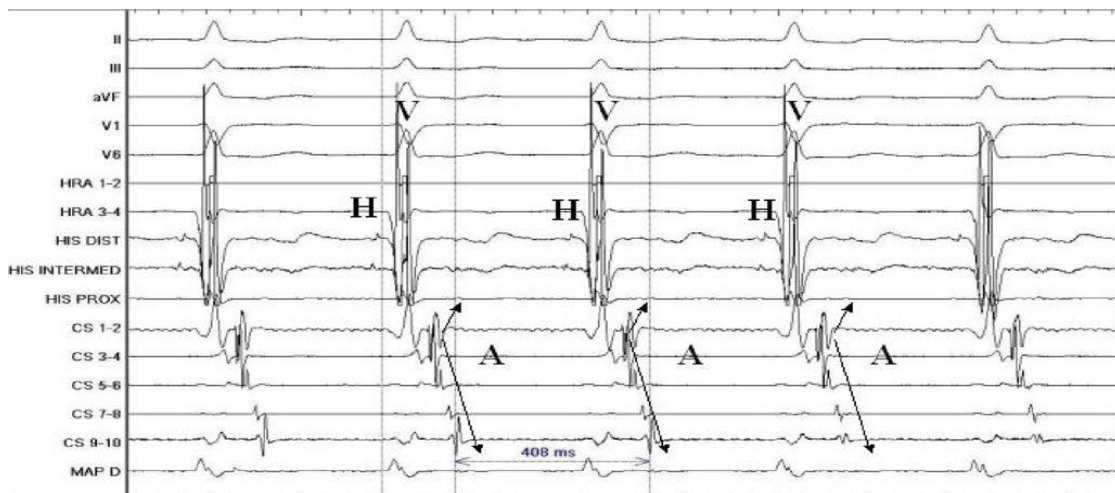


Figure 3. Intracardiac recordings taken during the electrophysiology study (paper speed 100 mm/s) Five surface ECG (I,II,III,AVF, V1,V2)/ HRA in the right ventricle, HIS bundle region (HISd,HISi,HISp)/ Decapolar CS catheter (CS 1-2 is the distal pole)/ MAPd bipolar recording from the mapping catheter, MAPd located in the anterior part of the mitral valve

### What are the likely possibilities?

- A. AVNRT
- B. Concealed left accessory pathway
- C. Right-sided accessory pathway
- D. Atrial flutter with 1:1 conduction

Ayan Abdrakhmanov, Zhandos Esilbayev  
Department of Interventional Arrhythmology  
National Research Cardiac Surgery Center  
Nur-Sultan, Kazakhstan

**Peer-review:** Internal

**Authorship:** A.A. and Z.E. equally contributed to preparation of quiz

**Conflict of interest:** None to declare

**Acknowledgement and funding:** None to declare

**Address for Correspondence:** Ayan Abdrakhmanov, Department of Interventional Arrhythmology, National Research Cardiac Surgery Center Nur-Sultan, Kazakhstan, Email: [ayan-3@mail.ru](mailto:ayan-3@mail.ru)

Received 24.01.2019 Accepted: 25.01.2019

Copyright © 2019 Heart, Vessels and Transplantation

doi: 10.24969/hvt.2019.131

