Parahisian BT

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Patient- 22/F

- Palpitation once a month
- First EP study in foreign country in 2015
- Second EP study in our center
- No medication
12 lead ECG

II, III, aVF (+) delta waves

But!
EGM during NSR

SCL 614ms
HRA pacing
Our evidence

- NSR ECG with delta wave
- SVT cannot be inducible by PES
- His potential is not visible on EGM during NSR
- Earliest A activation in His catheter during V pacing
- No AV node decrementals are seen
SA (Wide QRS) = 113ms
SA (Narrow QRS) = 103ms
Take home message

1. The penetrating bundle of His is a well-insulated structure.

2. Ablation is generally better tolerated on the His bundle itself compared to the fragile and easily ablated compact AV node.

3. Anatomically, since the His bundle is a ventricular and anterior structure, whereas the compact AV node is a midseptal and atrial structure, more caution is needed whenever ablating lower, and atrially.

Vijayaraman et al. J Am Coll Cardiol 2018;72:927–47
Macedo et al., IPEJ 10 (7): 292-309 (2010)