

EPSに必要な基礎知識：上室頻拍編

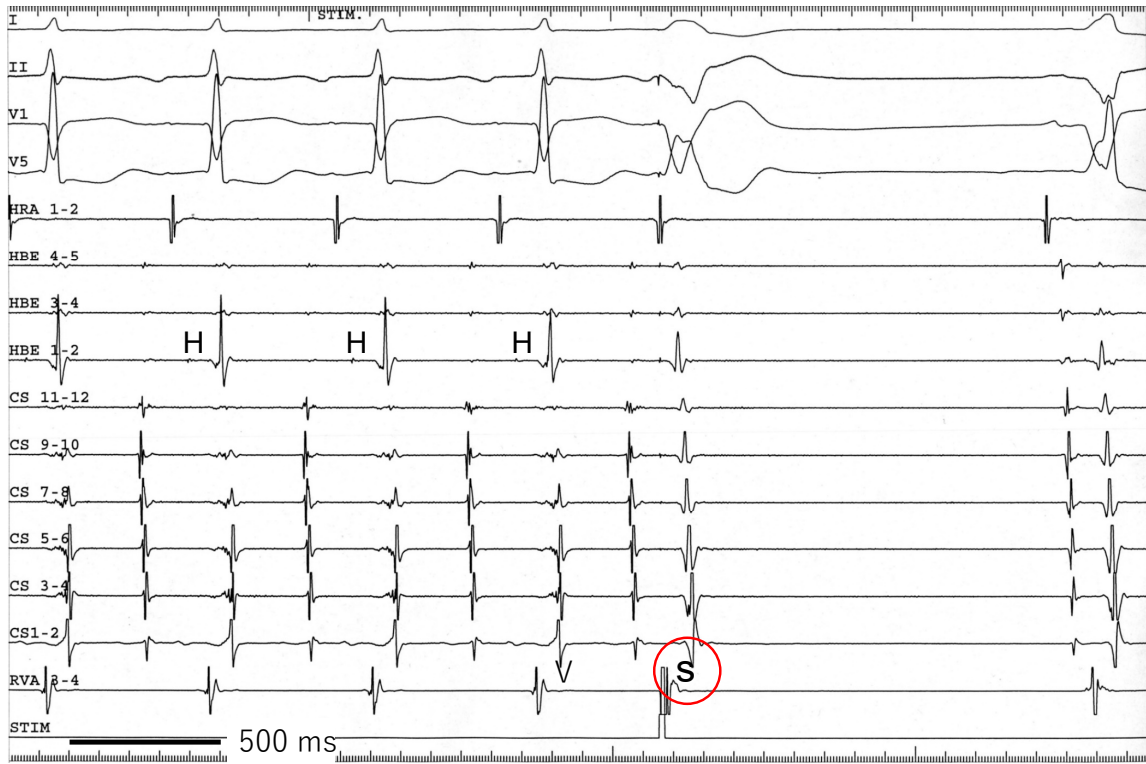
～その刺激（○）は何を捕捉しているか？～

所沢第一病院内科／群馬大学循環器内科
金古 善明

Termination without atrial activation (capture) with
ventricular stimulation

No 1

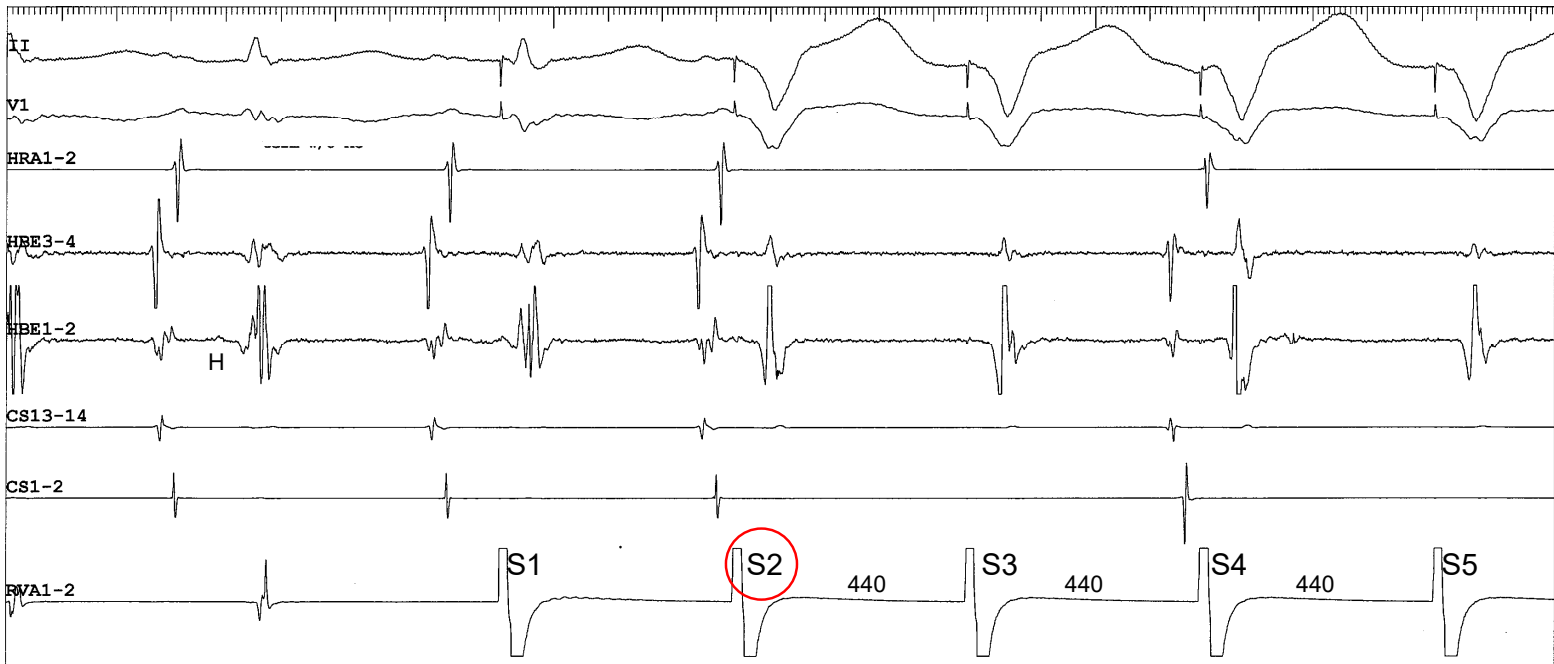
Diagnosis: fast-slow AVNRT



Kaneko PACE 2011

No 2

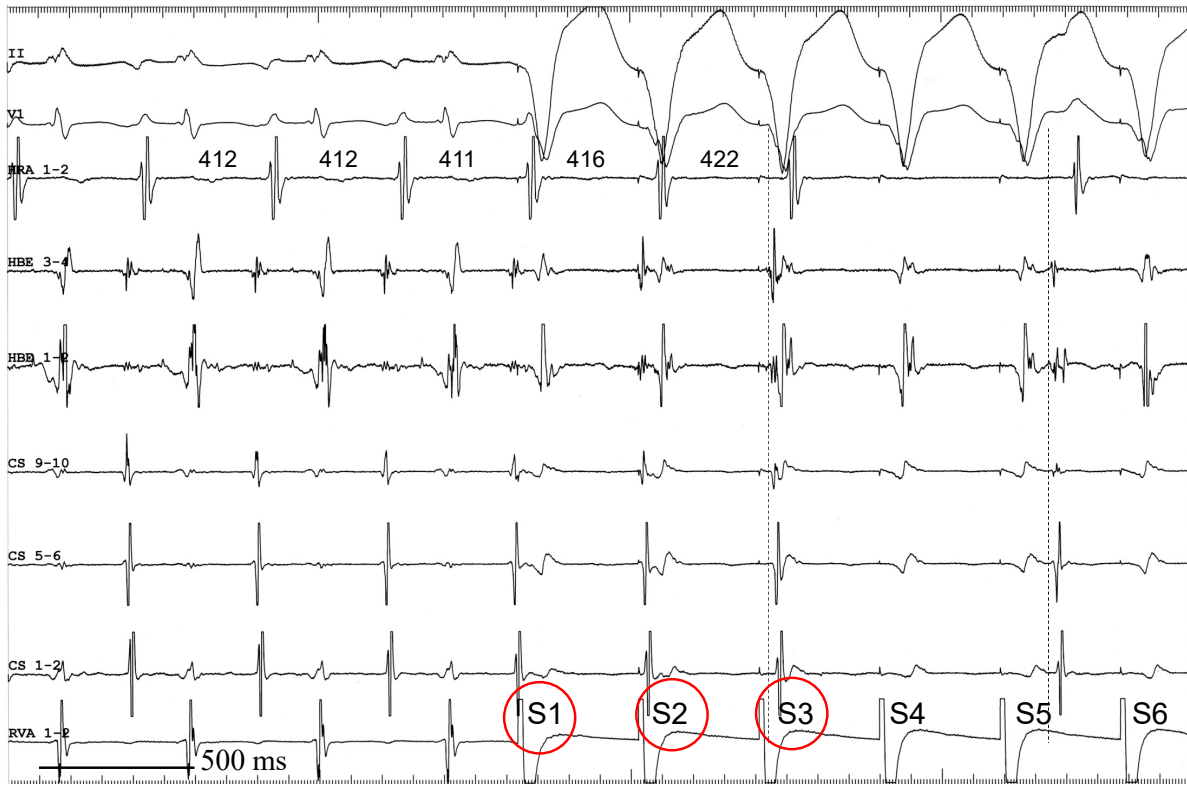
Diagnosis: atypical fast-slow AVNRT



Kaneko Circ EP 2020

No 3

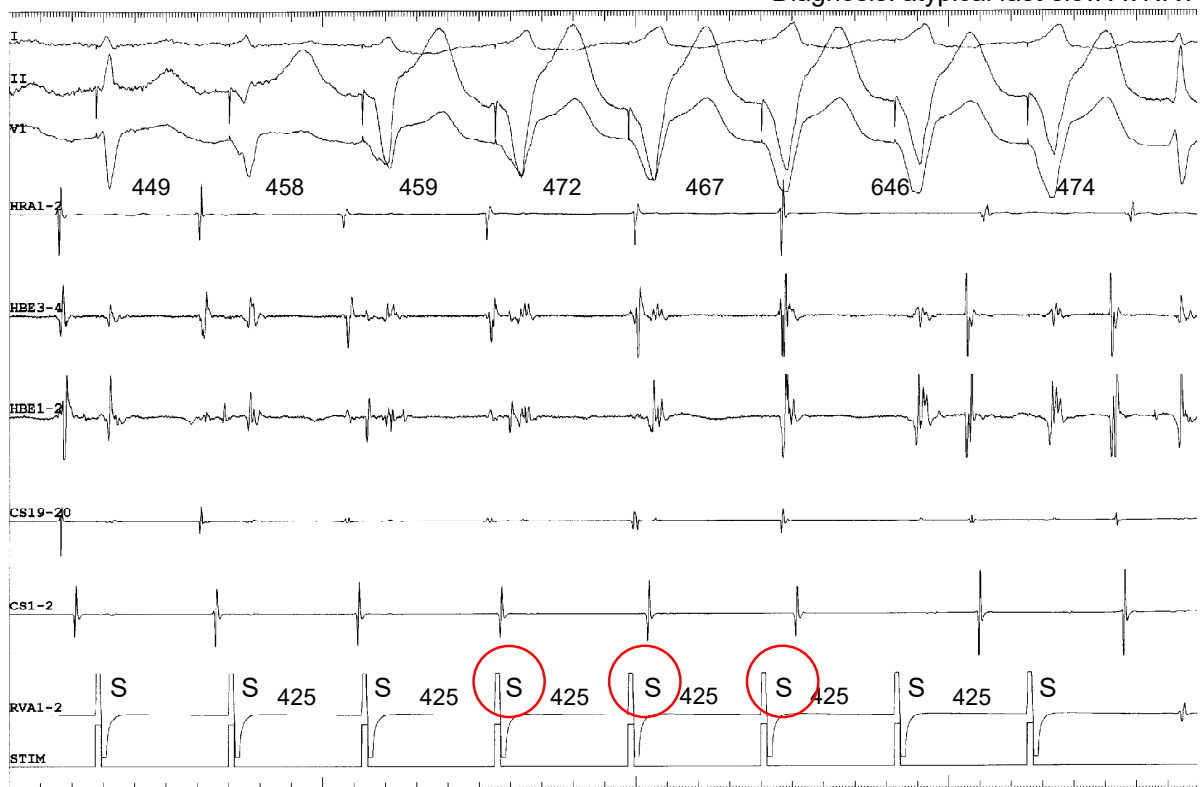
Diagnosis: atypical fast-slow AVNRT



Kaneko Circulation 2016

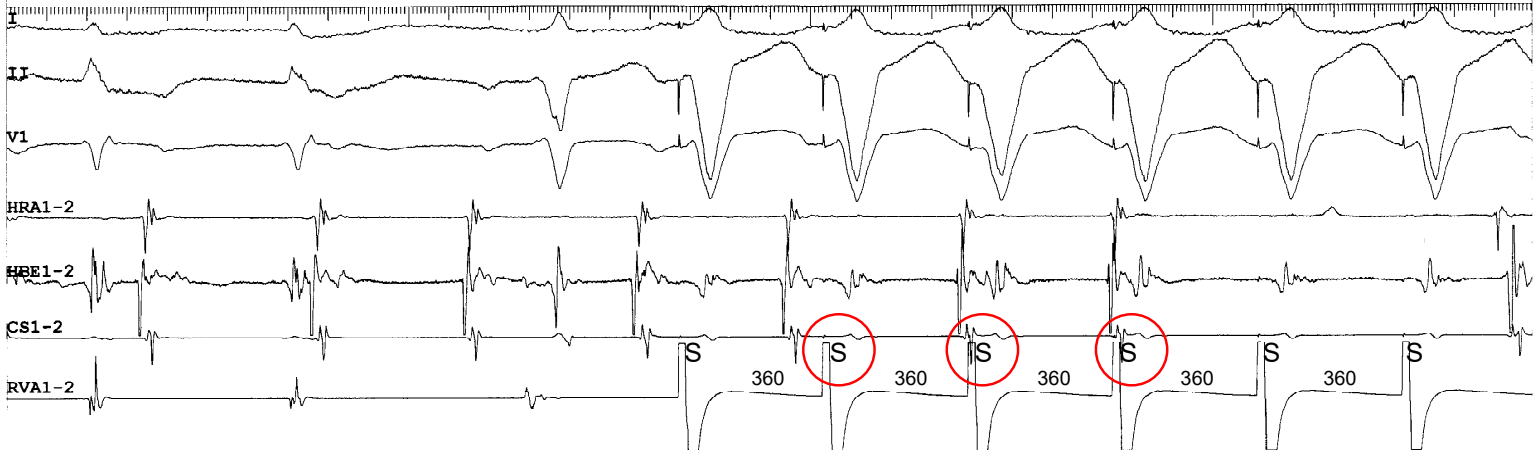
No 4

Diagnosis: atypical fast-slow AVNRT



Kaneko Rev Cardiovasc Med 2022

Diagnosis: atypical fast-slow AVNRT



V-A-V response

No 6

Diagnosis: atypical fast-slow AVNRT



Kaneko Catheter ablation: a current approach on cardiac arrhythmias 2018

No 7

Diagnosis: atrial tachycardia



No 8

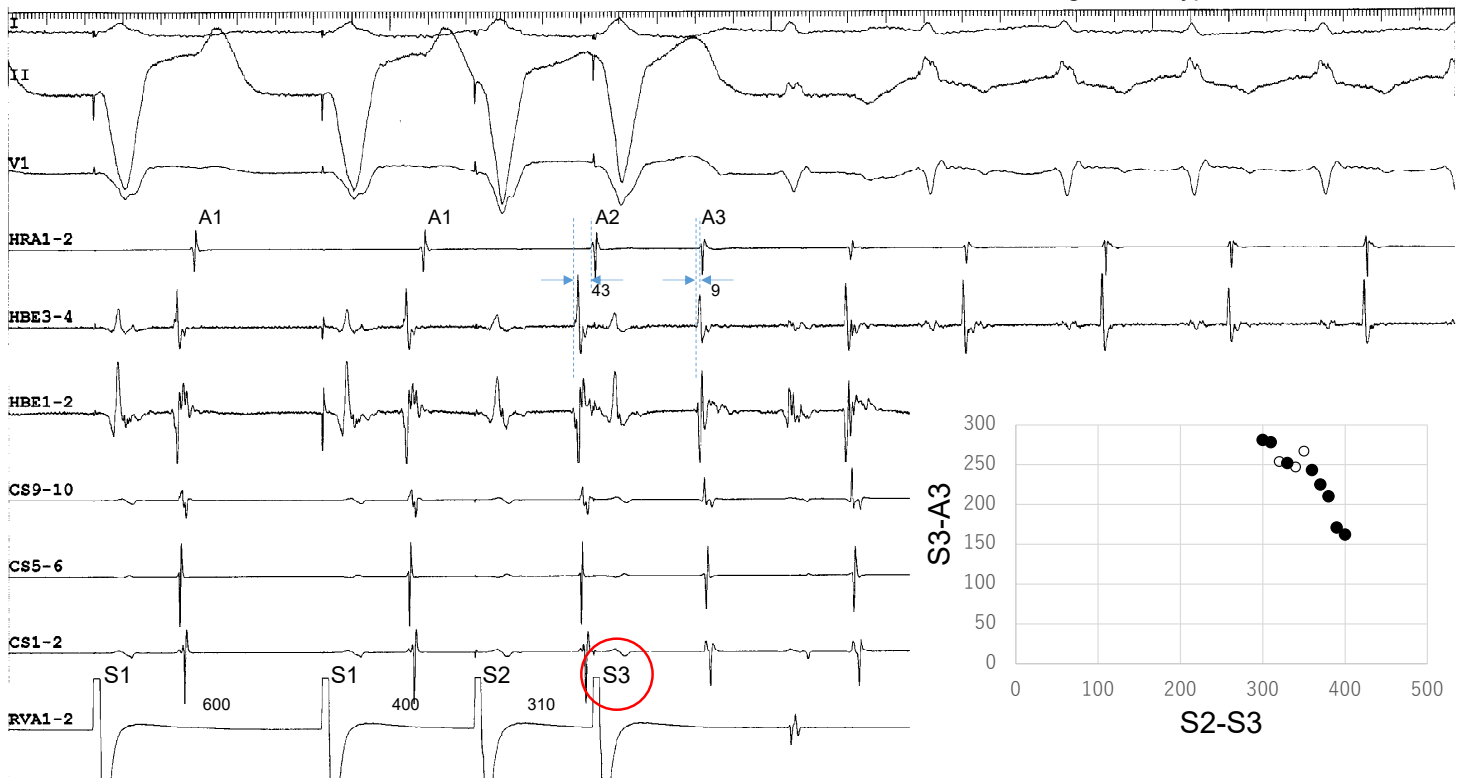
Diagnosis: atypical fast-slow AVNRT



Unpublished data

No 9

Diagnosis: atypical fast-slow AVNRT

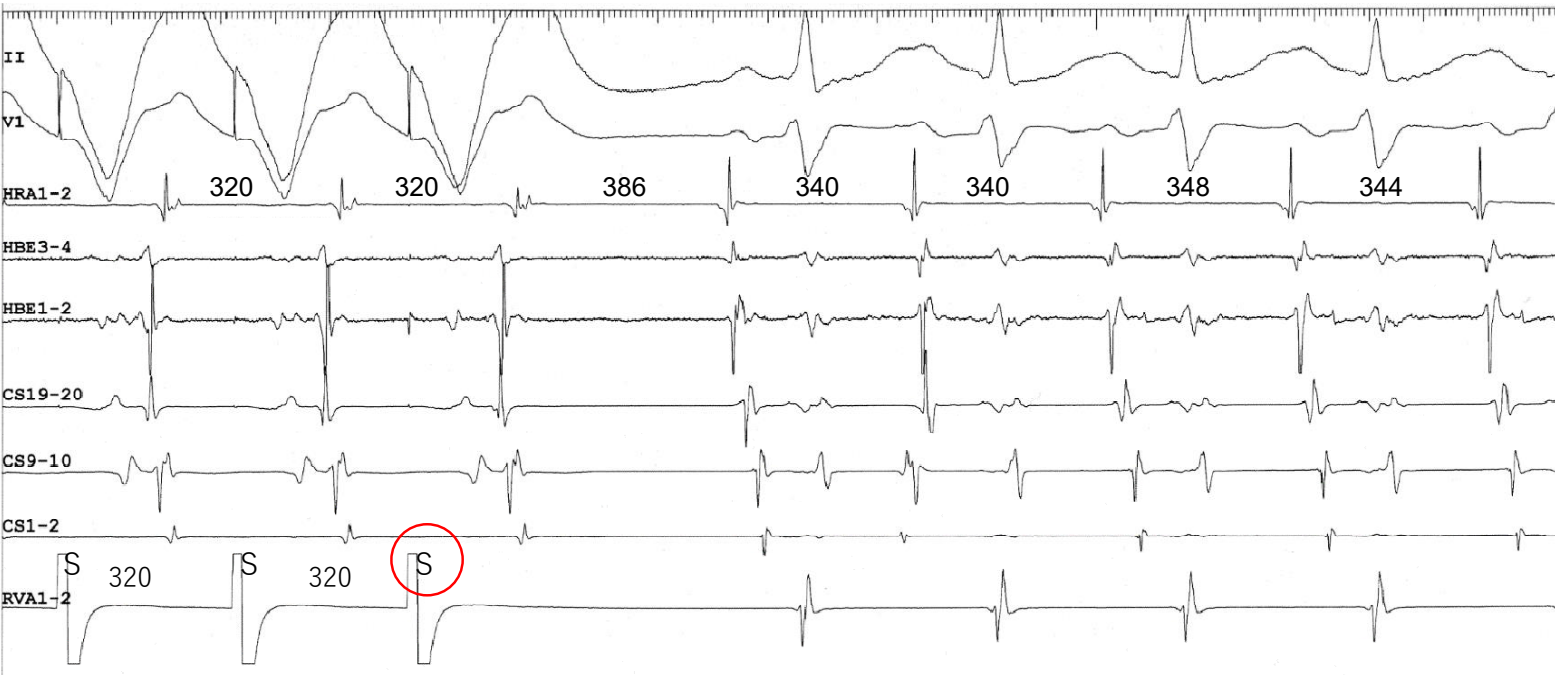


Kaneko Int Heart J 2019

V-A-A-V response

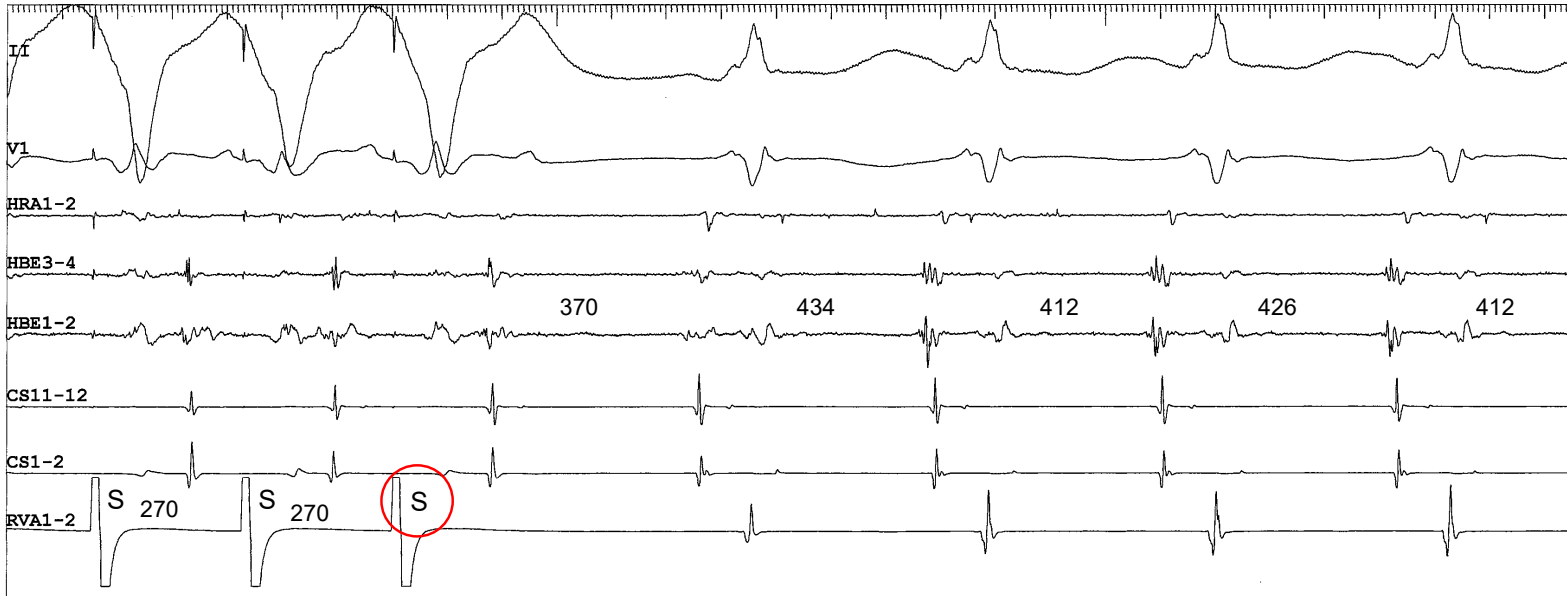
No 10

Diagnosis: sinus node reentrant tachycardia



No 11

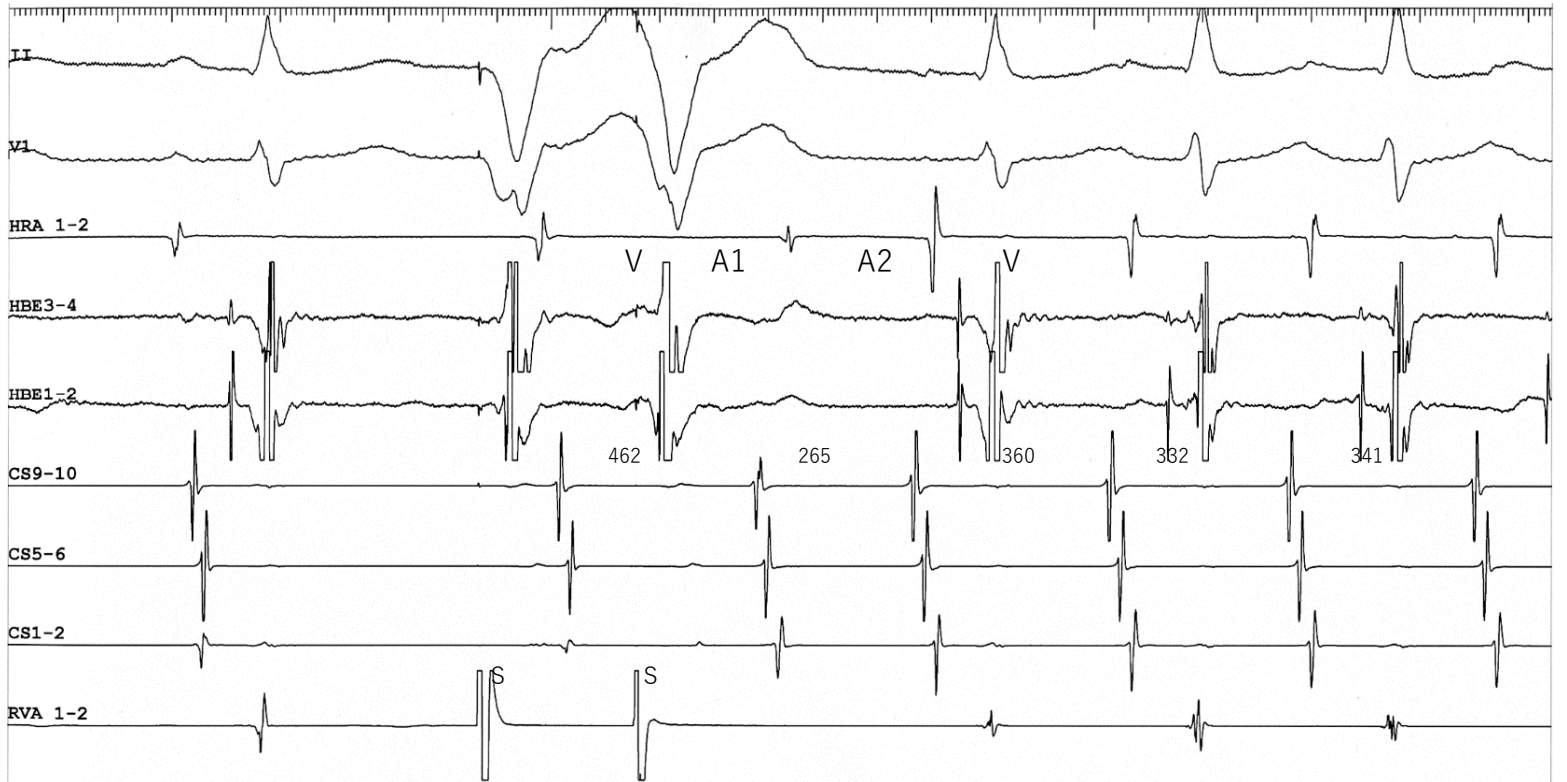
Diagnosis: atypical fast-slow AVNRT



Kaneko PACE 2022

No 12

Diagnosis: atypical fast-slow AVNRT

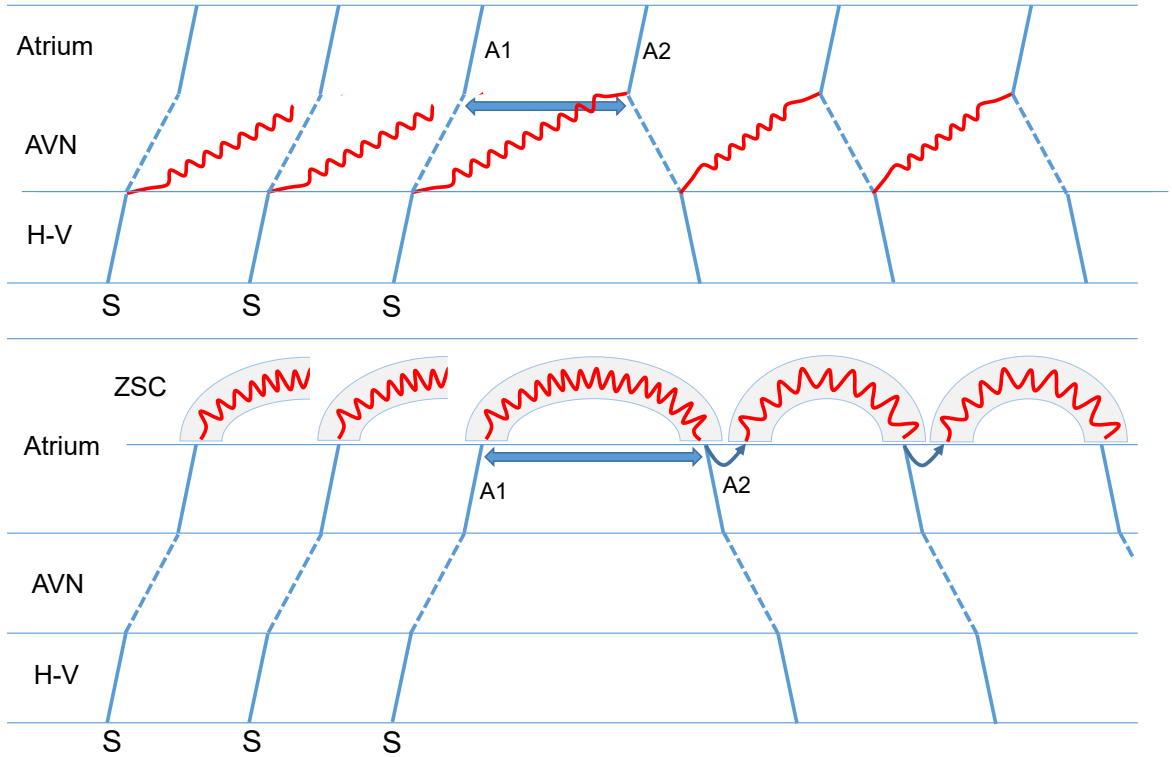


Kaneko Heart Rhythm 2017

V-A-A-V反応の機序

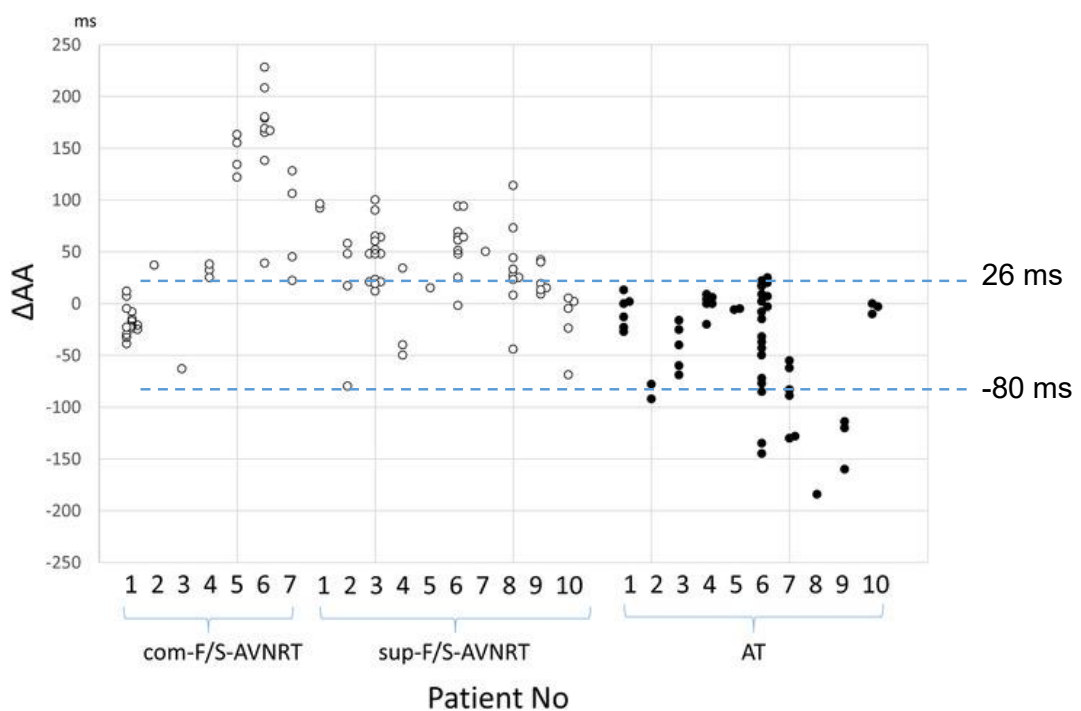
Fast-slow AVNRT

$\Delta AA =$
atria CL-(A1-A2)

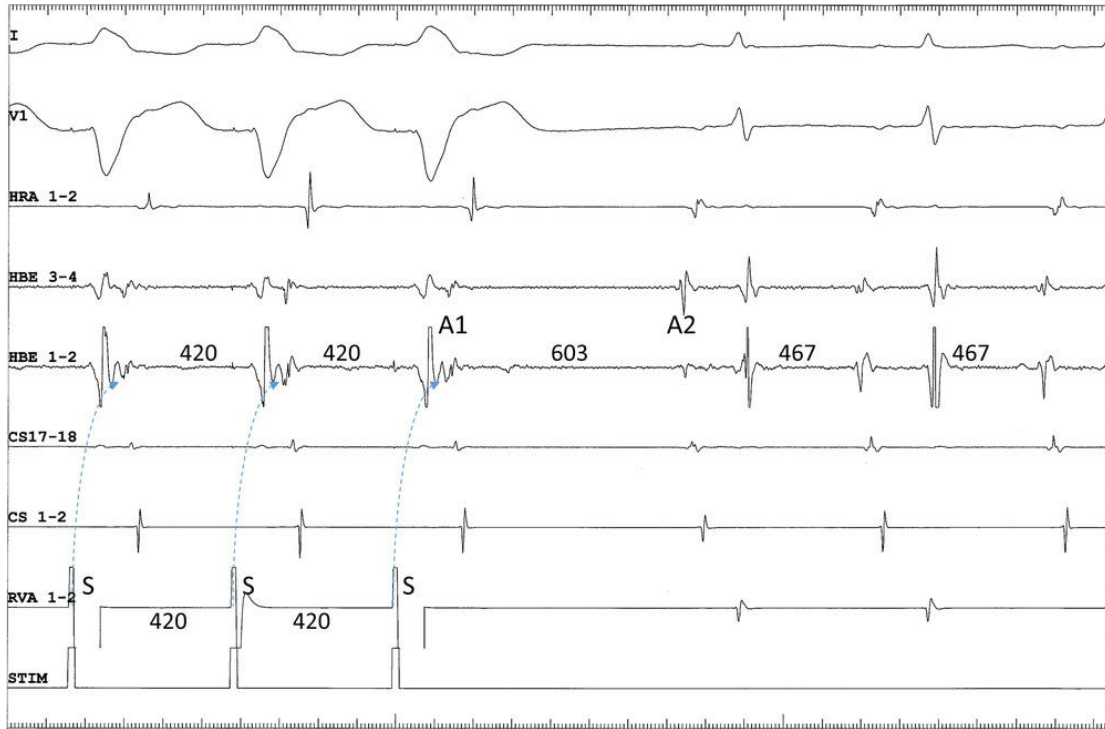


Kaneko PACE 2022

ΔAA はV-A-A-V反応を有する頻拍の診断に有用である



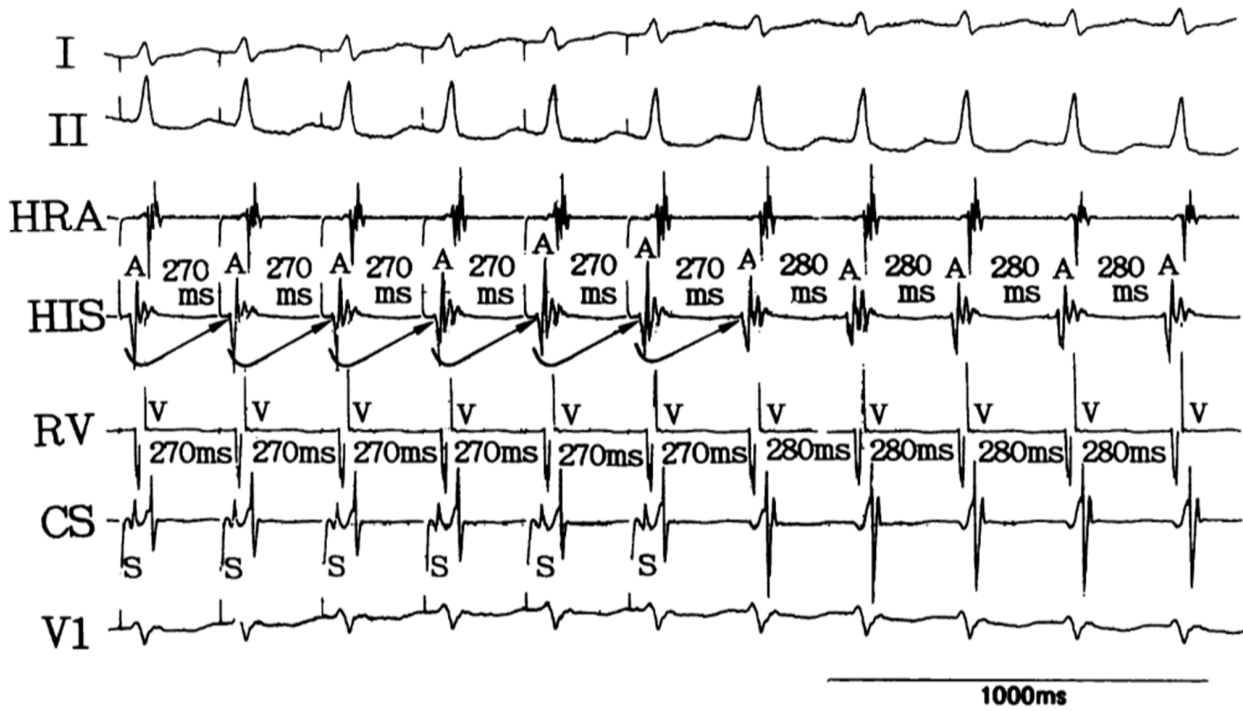
Kaneko PACE 2022



Atrial entrainment of AVNRT

No 14

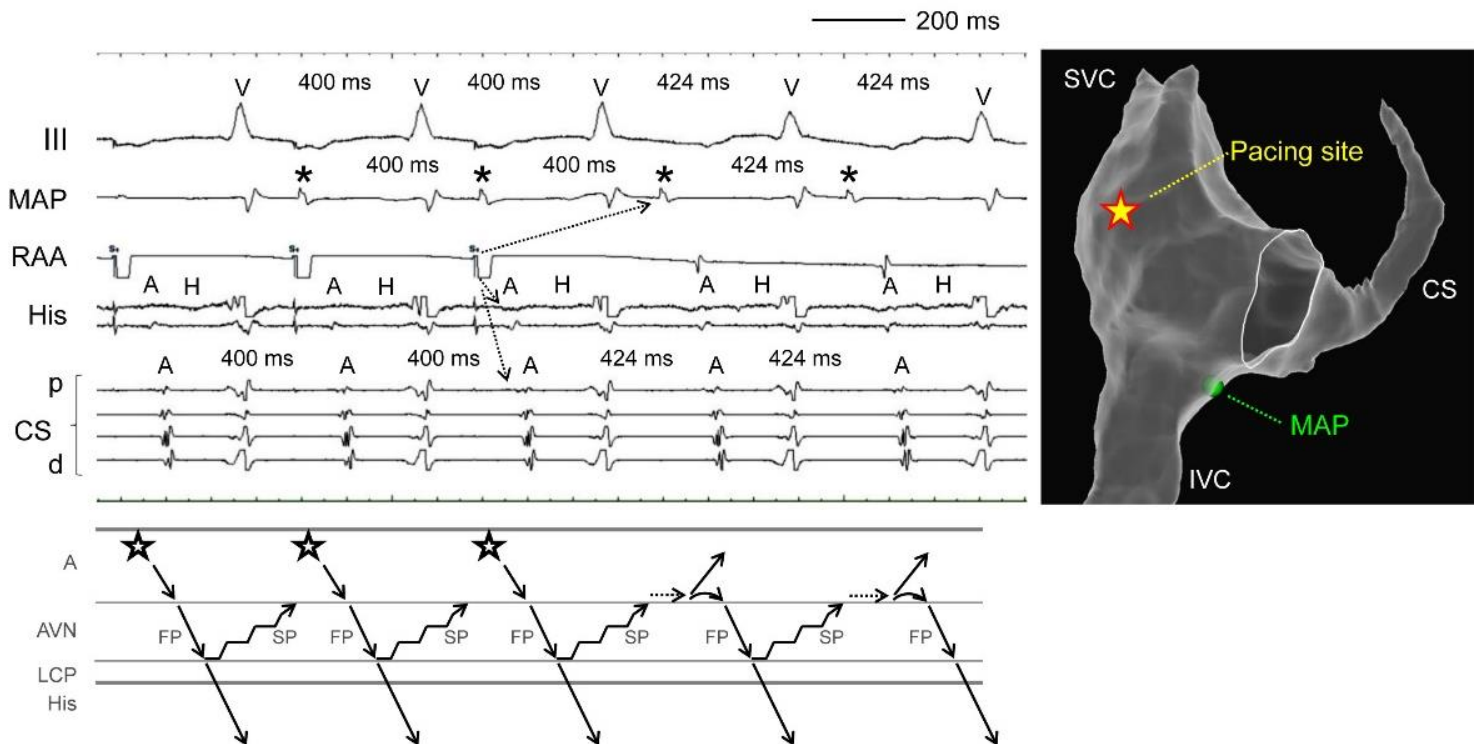
Constant fusion during atrial entrainment of slow-fast AVNRT



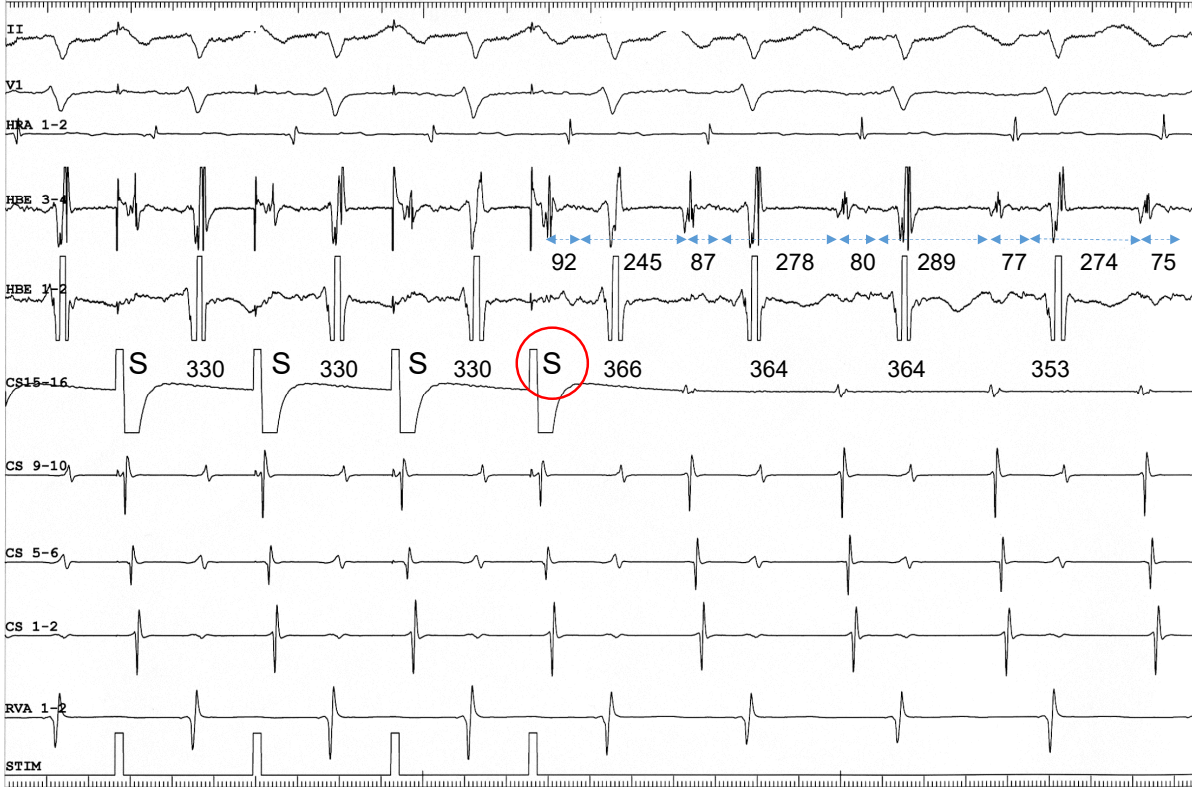
Sato Circulation 1993

No 15

Constant fusion during atrial entrainment of fast-slow AVNRT



Hasebe HeartRhythm Case Rep 2022



Pacing-site dependent shortening of a retrograde conduction over the slow pathway

During EP-CS

In the 1st cycle

