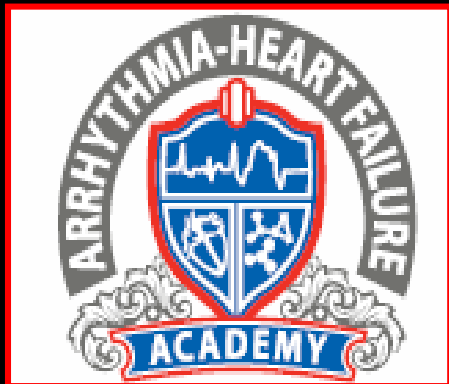




CAD CONFERENCE

8th to 10th November, Mumbai

ECG QUIZ



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60 Y, M, Pacemaker for Intermittent High-Grade AV Block (2 years back), one episode of Syncope(Tirupathi Balaji Dharshan)



Choose the Right Option



A. LQTS

B. HCM

C. ACS

D. None of the Above

Choose the Right Option



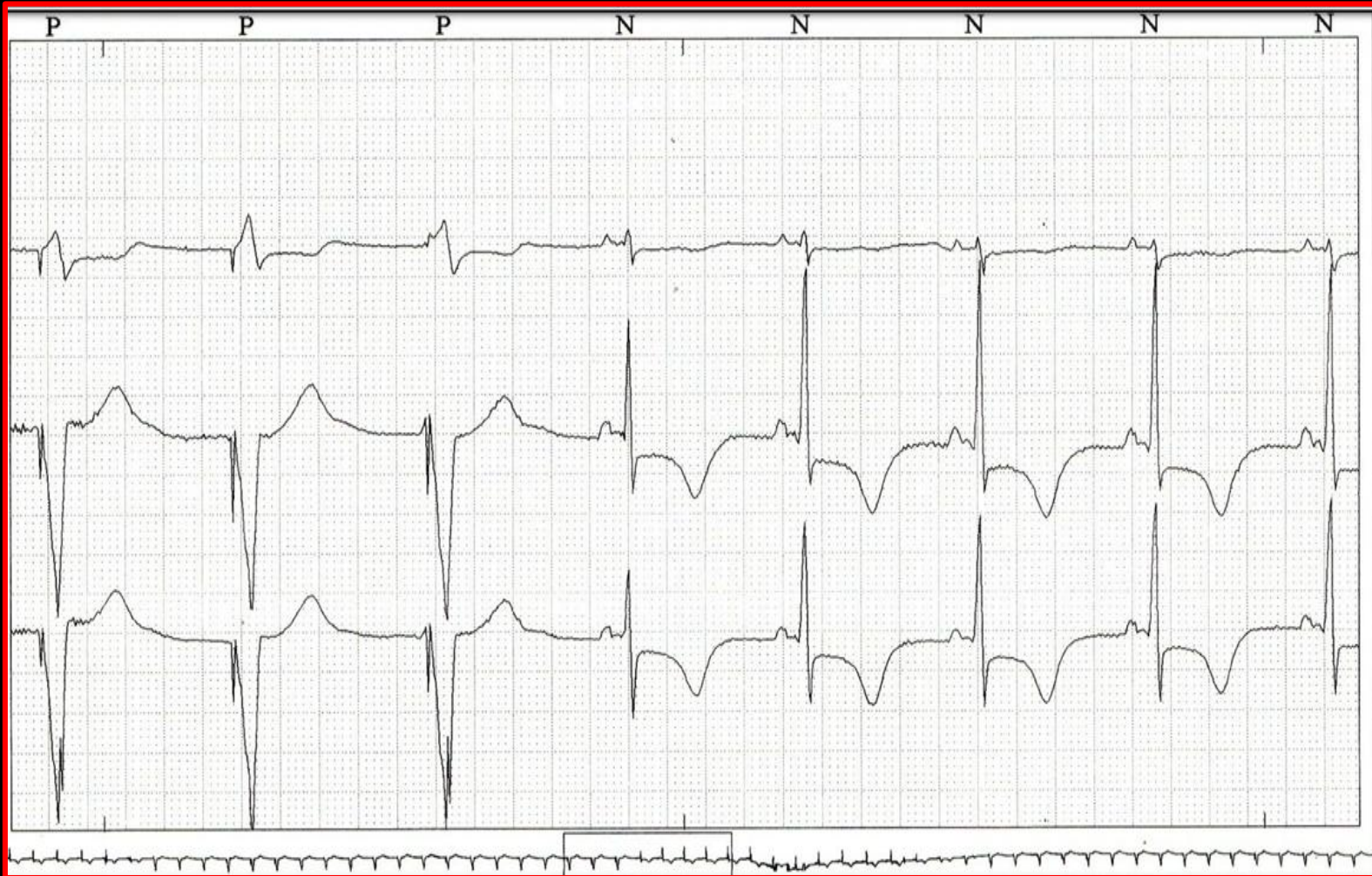
LQTS

HCM

ACS

None of the Above

Discussion



Syncope suggestive of Vasovagal

The QTc is 460ms. Hence, it is not LQTs

No Angina, Dyspnea. Hence, ACS is unlikely

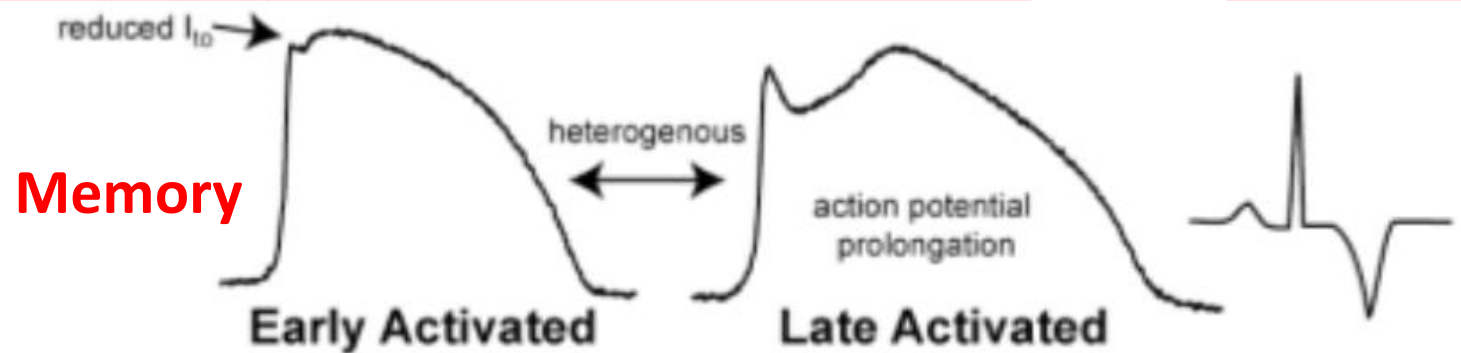
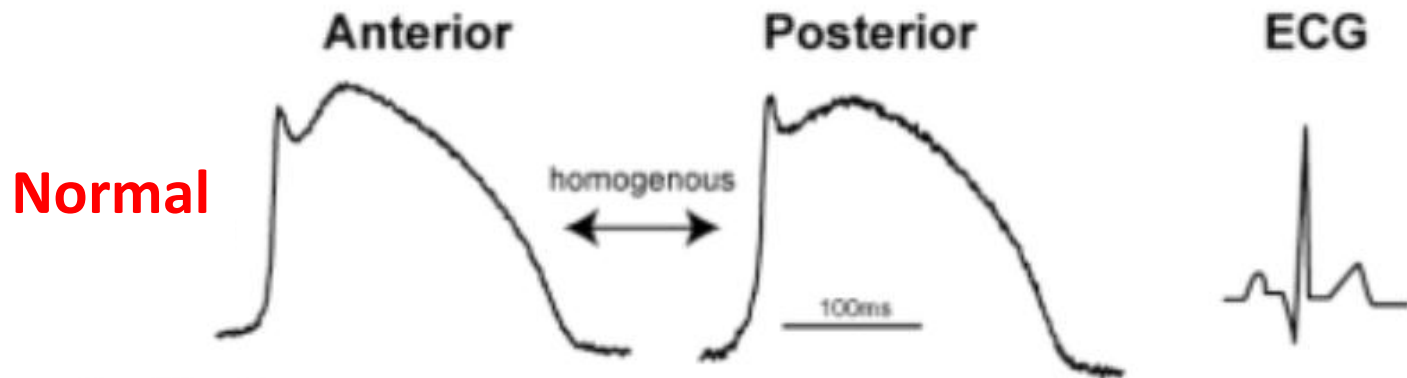
QRS amplitude & the duration is normal. Hence, HCM is unlikely.

T wave inversion suggests T wave memory also called as 'Cardiac Memory'

T wave Memory / Cardiac Memory

Curious ECG Phenomenon (White et.al, 1915)

Mechanism incompletely understood



T wave Memory / Cardiac Memory

Examples: Narrow QRS with T wave inversion following Wide QRS rhythm due to pacing, Bundle Branch Block, pre-excitation(WPW pattern) & Wide QRS Tachycardia and even in drug induced wide QRS

In this case when Intrinsic rhythm with Narrow QRS resumed following paced Wide QRS rhythm, T waves became inverted.

T wave memory: Benign phenomenon



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Thank you

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President Elect: Indian Society of Electrocardiology

