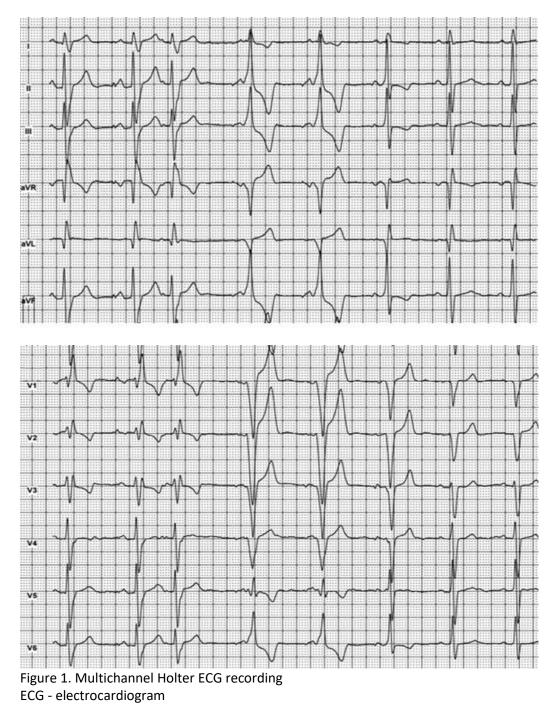
Quiz: Pacemaker

Fragment of the ECG was recorded on the 12 leads Holter monitor (Fig. 1). Speed of the recording – 25 mm/s. The permanent pacemaker in DDD mode was implanted to patient.

There are 5 morphologies of PQRST seen on this ECG.



Address for Correspondence: Mykhaylo Sorokivskyy, Lviv Regional Cardiology Center, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine Email: msorokivskyy1@gmail.com Received 25.10.2018 Accepted: 26.10.2018 doi: 10.24969/hvt.2018.87

Copyright©2018 Heart Vessels and Transplantation

Sorokivskyy

The correct description of the PQRST complexes (showed by order of numbers below) morphology on this ECG is:

A) 1,2 – atria: sinus rhythm, ventricles: paced rhythm;
3 – atria: premature beat, ventricles: paced rhythm;
4,5 – atria paced rhythm, ventricles: impulse conducted via AV node with LBBB;

6 – atria and ventricles – fusion beat;
7,8 – atria and ventricles – sinus rhythm with incomplete LBBB.

B) 1,2 – atria: paced rhythm, ventricles: impulse conducted via AV node with RBBB;
3 – atria: premature beat, ventricles: impulse conducted via AV node with RBBB;
4,5 – atria: paced rhythm, ventricles: impulse conducted via AV node with LBBB;
6 – atria and ventricles – fusion beat;
7,8 – atria and ventricles – sinus rhythm with incomplete LBBB.

C) 1,2 – atria: paced rhythm, ventricles: impulse conducted via AV node with RBBB;
3 – atria: premature beat, ventricles: impulse conducted via AV node with RBBB;

4,5 – atria sinus rhythm, ventricles: impulse conducted through accessory pathway;

6 – atria and ventricles – fusion beat;

7,8 – atria and ventricles – sinus rhythm with incomplete LBBB.

D) 1,2 - atria: paced rhythm, ventricles: impulse conducted via AV node with RBBB;
3 - atria: premature beat, ventricles: impulse conducted via AV node with RBBB;
4,5 - atria: paced rhythm, ventricles: paced rhythm;
6 - atria and ventricles - fusion beat;
7,8 - atria and ventricles - sinus rhythm with incomplete LBBB.

Mykhaylo Sorokivskyy Lviv Regional Cardiology Center, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine **Peer-review:** Internal **Conflict of Interest:** None to Declare **Authorship:** M.S. Acknowledgement and funding: None to declare