

Answer Regarding: Artifacts in the Electrocardiograms Recorded Using a Smartwatch

We thank the authors for commenting our case image titled "Radiofrequency Catheter Ablation of Orthodromic Reentrant Tachycardia Detected by Smartwatch: Beginning of a New Era?"¹ that was previously published in the journal. They made a neat observation regarding the Gibbs-Wilbraham phenomenon.² The differential diagnosis between this phenomenon and retrograde P waves in our recording may be made in the context of sinus rhythm, as authors suggested. Unfortunately, we do not have the recording during sinus rhythm.

Although we concur with authors that algorithms and filter settings that are used by wearables for electrocardiography recording are different than conventional devices, we also believe that substantial number of patients who had infrequent arrhythmia episodes cannot be diagnosed or even misdiagnosed due to time limitation of Holter and electrocardiogram recordings. Implantable loop recorders diminish this limitation, but it is an invasive procedure. In this context, wearable devices may help physicians to guide clinical decision-making, but it should be kept in mind that relying the diagnosis solely on wearables should be avoided as sensitivity, specificity, and positive and negative predictive values differ majorly.

Declaration of Interests: The authors declare that they have no competing interest.

References

1. Çinier G, Hayiroğlu M, Tekkesin İ, Gürkan K. Radiofrequency catheter ablation of orthodromic reentrant tachycardia detected by smartwatch: beginning of a New Era? *Türk Kardiyol Dern Ars.* 2022;50(2):159–160. [\[CrossRef\]](#)
2. Cobos Gil MA, Unzueta-Roch JL. Artifacts in the ECGs recorded using an smartwatch. *Türk Kardiyol Dern Ars.* 2022;50(7):540–541. [\[CrossRef\]](#)

LETTER TO THE EDITOR AUTHOR'S REPLY

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