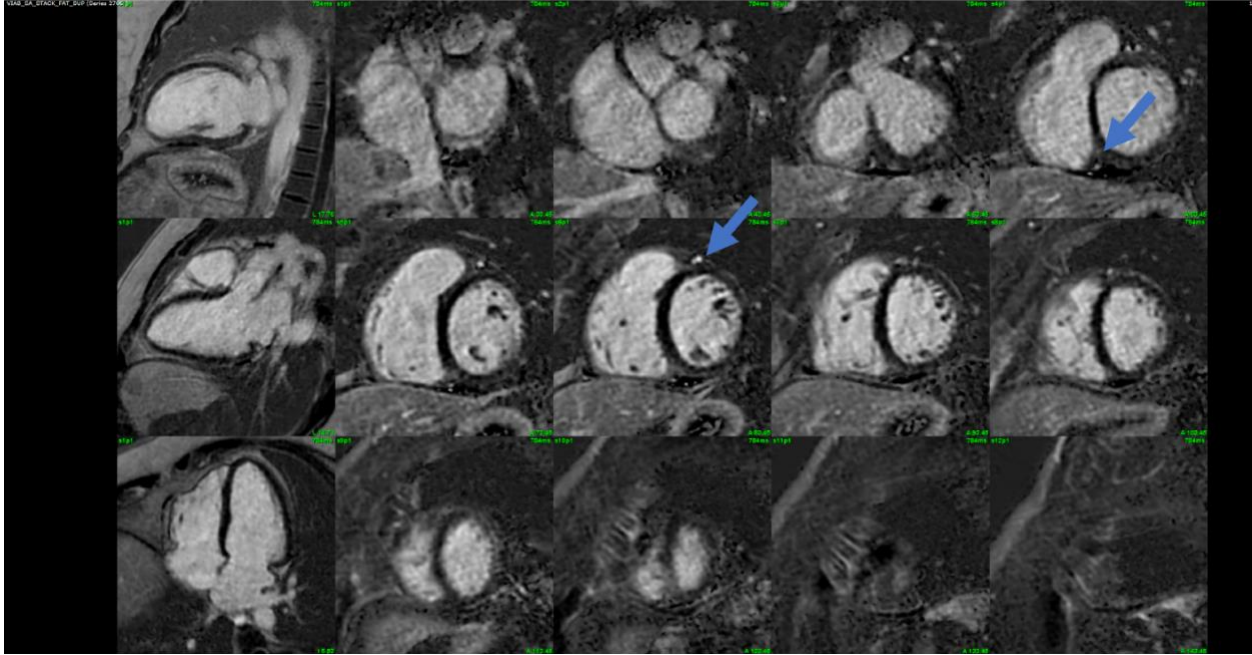
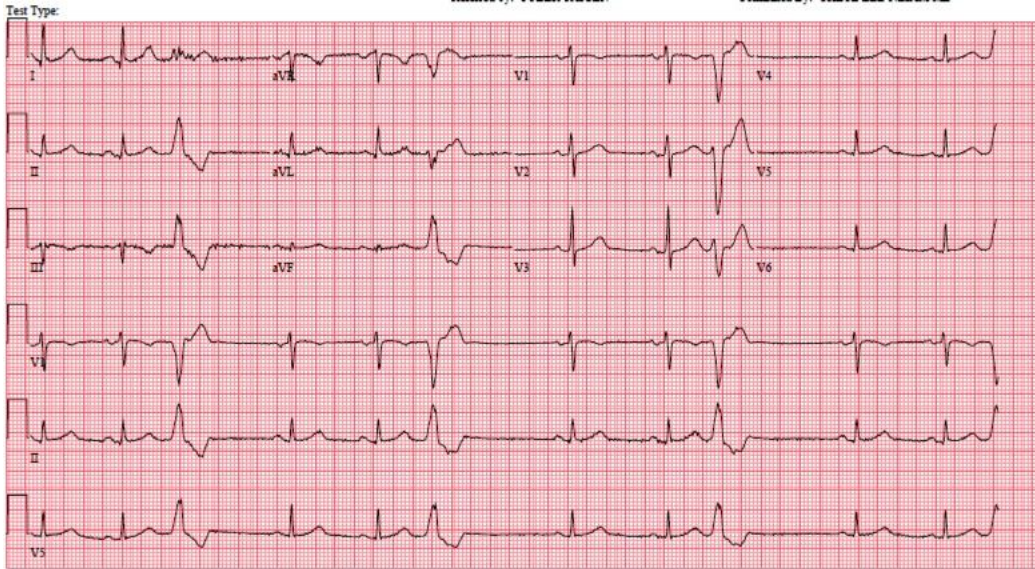


## SUPPLEMENTARY MATERIAL



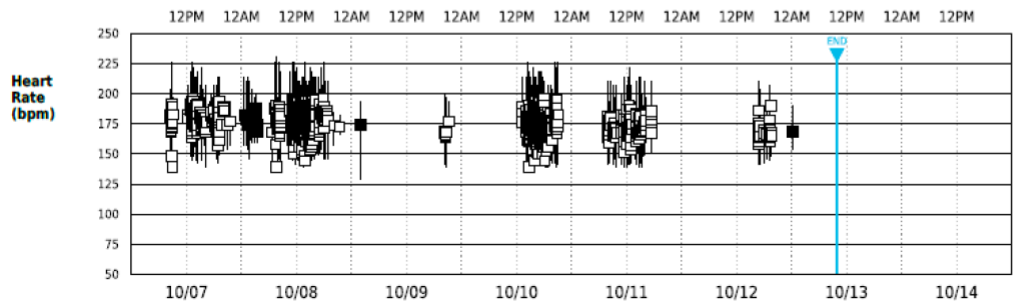
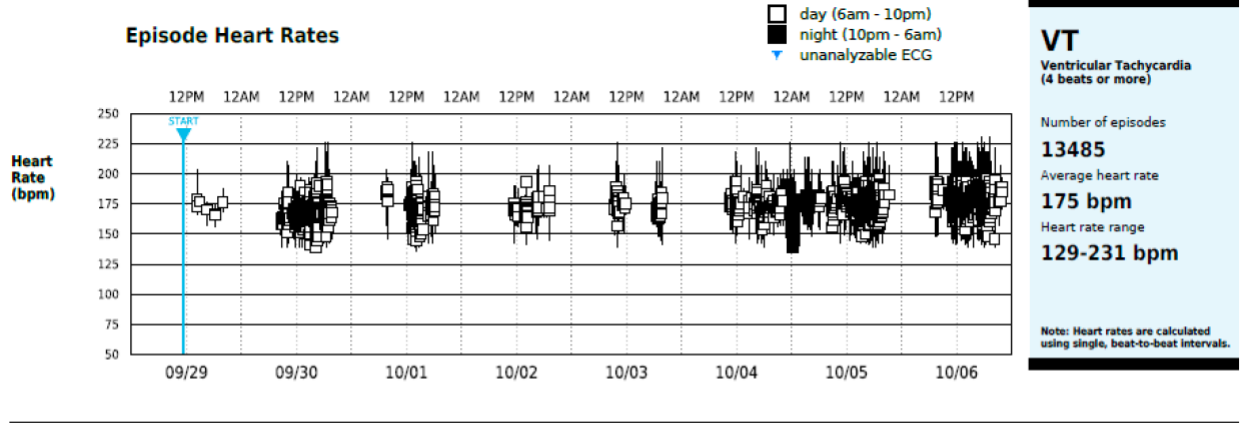
**Supplemental Figure S1.** Delayed Enhancement Magnetic Resonance Imaging of the Patient. *MRI Reading: 1. The left ventricle is borderline dilated and has low normal function. LVEDVi = 99 cc/m<sup>2</sup>. LVEF = 54%. Delayed-enhancement imaging reveals mild delayed enhancement at the basal-to-mid RV insertion points in a non-ischemic pattern, though non-specific. Native T1-mapping reveals normal T1 values. 2. The right ventricle is mildly dilated and has normal function. RVEDVi = 104 cc/m<sup>2</sup>. RVEF = 51%. 3. There is no significant valve disease.*



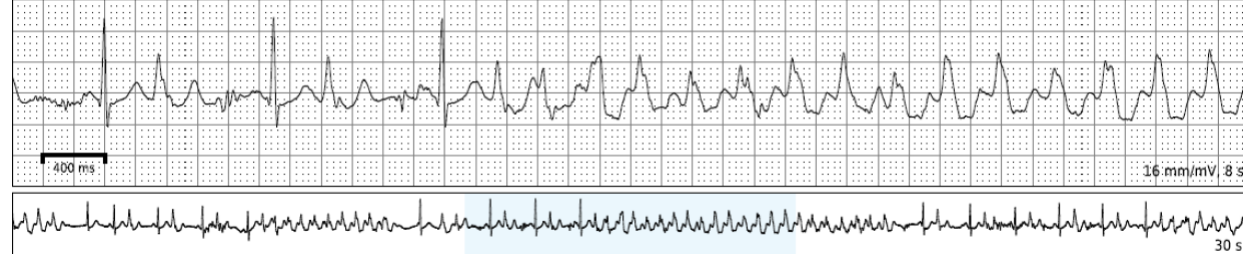
**Supplemental Figure S2.** An electrocardiogram's strip showing the patient's premature ventricular contractions.

**Supplemental Figures S3: Snapshots from the Zio patch and Holter Monitors worn by the patient during the follow up period.**

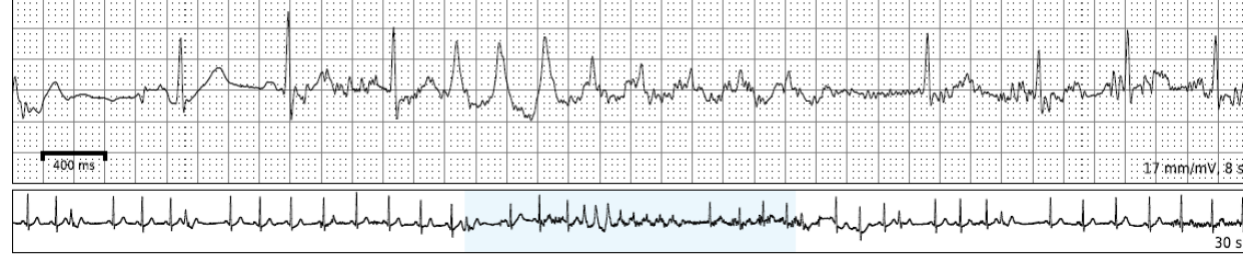
**A Zio Patch 7.5-Month Post-Covid**



**1** **VT with Fastest Heart Rate**      # Beats: 22      Duration: 7.4 s      Average: 181 bpm      Range: 160-231 bpm      Pt Triggered?  YES  NO

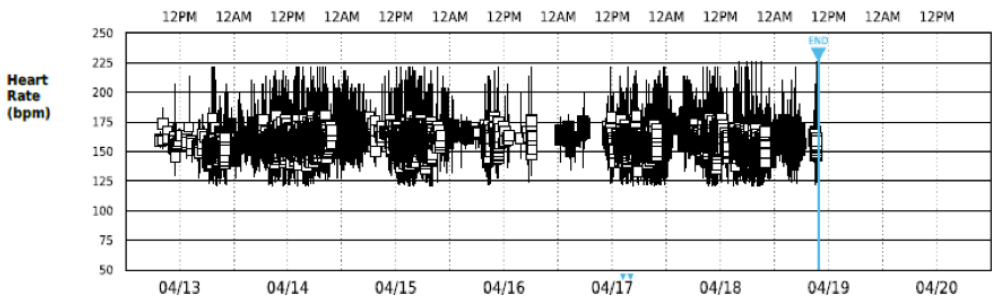
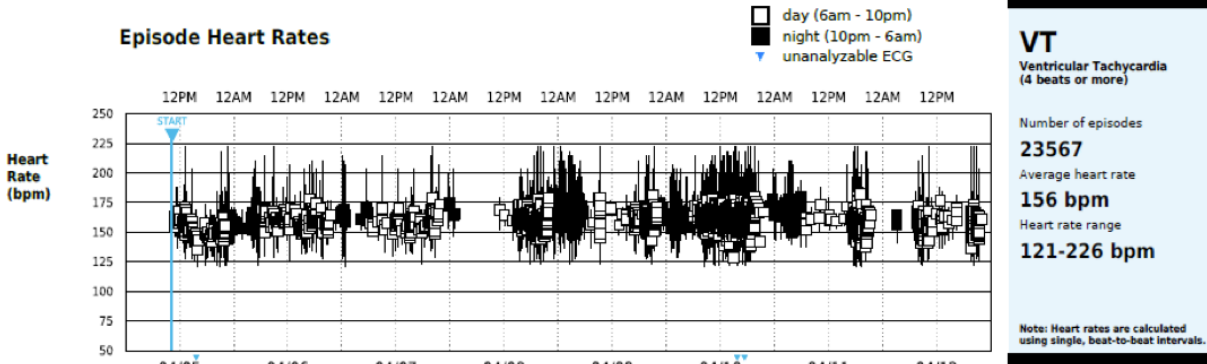


**2** **VT with Fastest Avg. Heart Rate**      # Beats: 8      Duration: 2.6 s      Average: 196 bpm      Range: 187-214 bpm      Pt Triggered?  YES  NO



# B

## Zio Patch 13-Month Post-Covid



**1** VT with Fastest Heart Rate

<b>04/18/21 04:10:22pm</b>	<b># Beats:</b> 11	<b>Duration:</b> 3.9 s	<b>Average:</b> 167 bpm	<b>Range:</b> 152-226 bpm	<b>Pt Triggered?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
----------------------------	--------------------	------------------------	-------------------------	---------------------------	---

400 ms 17 mm/mV 30 s

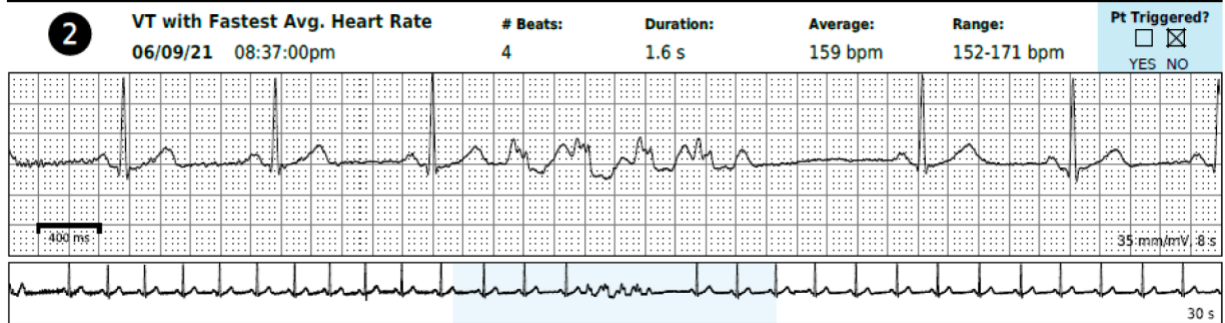
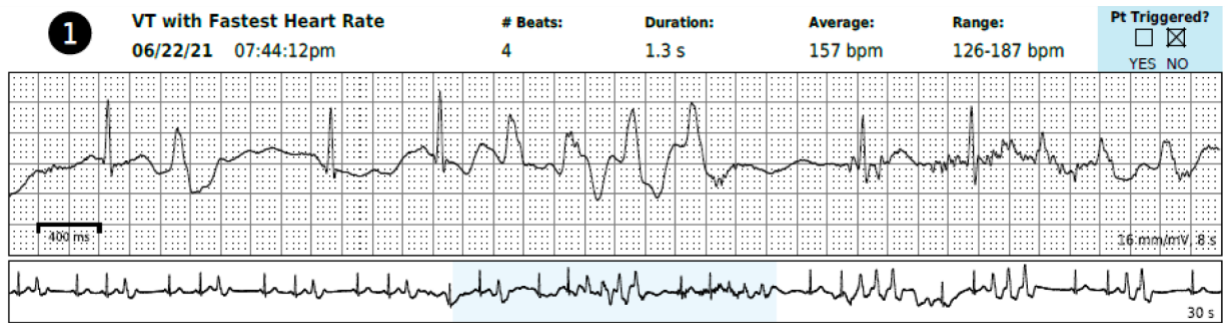
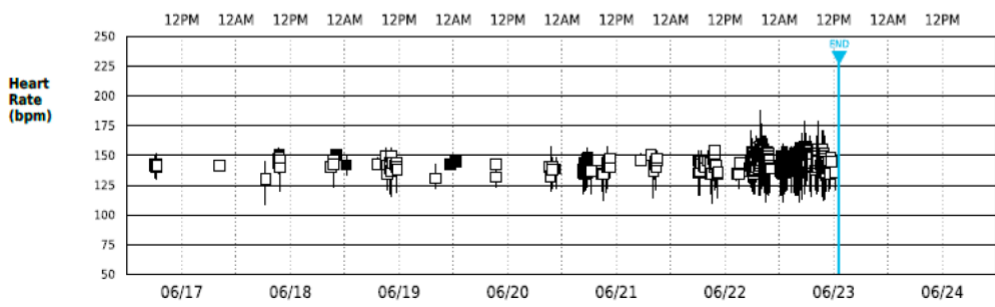
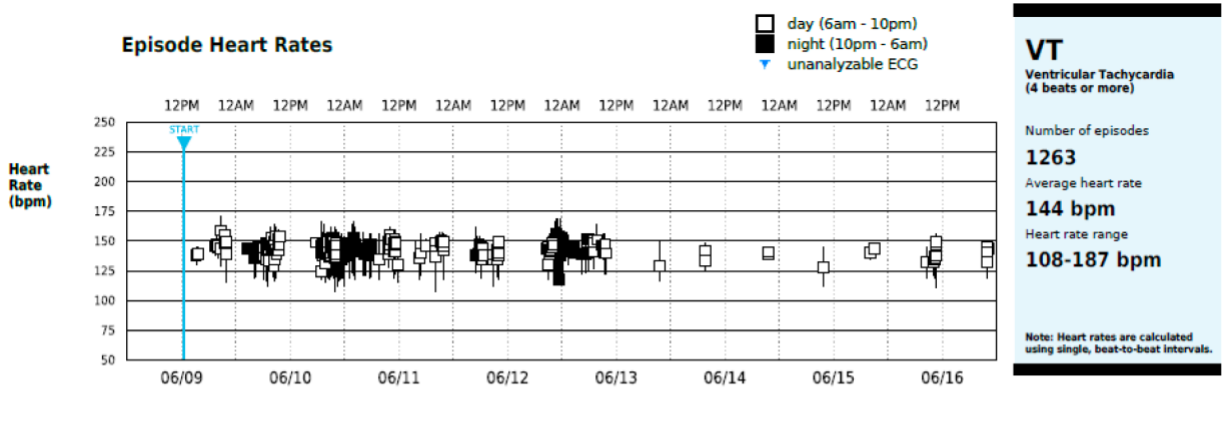
**2** VT with Fastest Avg. Heart Rate

<b>04/18/21 04:18:32am</b>	<b># Beats:</b> 5	<b>Duration:</b> 1.8 s	<b>Average:</b> 184 bpm	<b>Range:</b> 167-203 bpm	<b>Pt Triggered?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
----------------------------	-------------------	------------------------	-------------------------	---------------------------	---

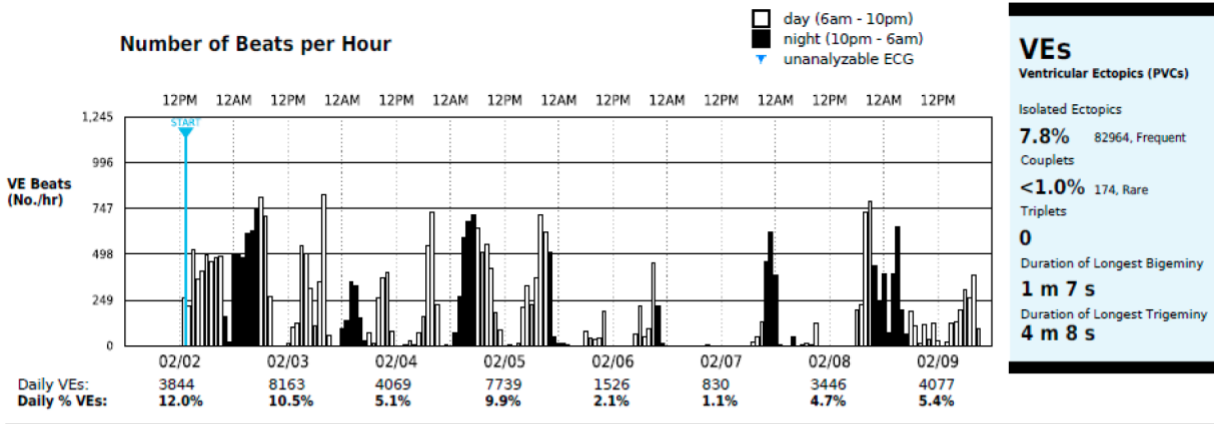
400 ms 18 mm/mV 30 s



# C Zio Patch 15-Month Post-Covid – off Flecainide



# D Zio Patch 23-Month Post-Covid



### VEs

Ventricular Ectopics (PVCs)

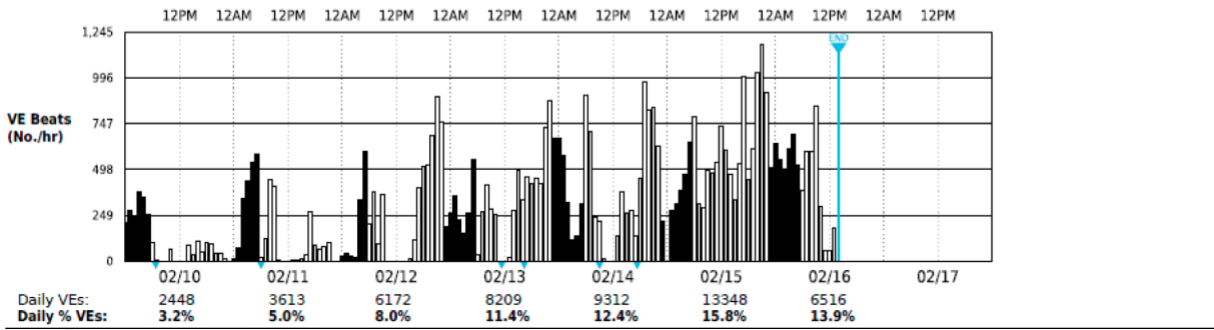
Isolated Ectopics  
**7.8%** 82964, Frequent

Couplets  
**<1.0%** 174, Rare

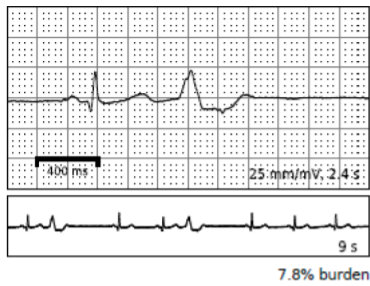
Triplets  
**0**

Duration of Longest Bigeminy  
**1 m 7 s**

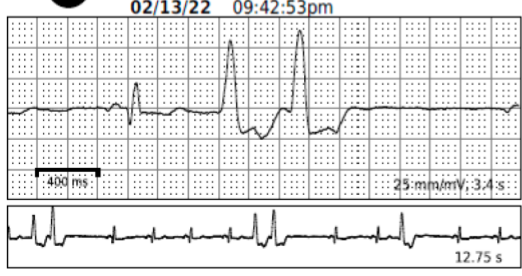
Duration of Longest Trigeminy  
**4 m 8 s**



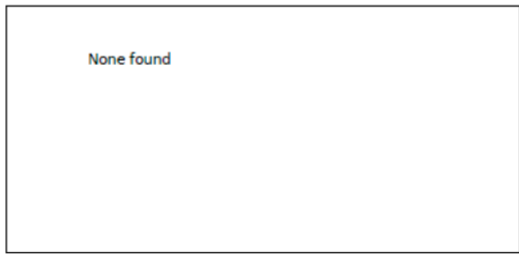
## 1 Isolated VE Beats by Unique Morphology



## 2 VE Couplet



## 3 VE Triplet



**Supplemental Table S1:** Case reports showing ventricular arrhythmias associated with COVID-19.

Case	Diagnoses	Comorbidities	Timing	Treatment	Resolution
Mitacchione et al. (1)	VT storm with Multiple ICD shocks	CAD LV dysfunction	During COVID	Catheter ablation	Yes
Tseng et al. (2)	Sustained Ventricular tachycardia	Fulminant myocarditis	During COVID	Extracorporeal membrane oxygenation	Yes
Doodnauth et al. (3)	Sustained Monomorphic Ventricular Tachycardia	Atrial Arrhythmia	During treatment with bamlanivimab for COVID	Amiodarone drip	Yes
Mukhopadhyay et al. (4)	VT storm	Hyperthyroidism Diabetes ARVC on echo	During COVID	Cardioversion	Yes
Liao et al. (5)	Short run VT	Hypothyroidism	During COVID	Iv Amiodarone Levothyroxine	Yes
Sahnoun et al. (6)	Premature ventricular contraction	-	During COVID	Hydroxychloroquine discontinuation	Yes

1. Mitacchione G, Schiavone M, Gasperetti A, Forleo GB. Ventricular tachycardia storm management in a COVID-19 patient: a case report. *Eur Heart J Case Rep.* 2020;4(Fi1):1-6.
2. Tseng YS, Herron C, Garcia R, Cashen K. Sustained ventricular tachycardia in a paediatric patient with acute COVID-19 myocarditis. *Cardiol Young.* 2021;31(9):1510-2.
3. Doodnauth AV, Goel R, Chen L, Uppin V, Malik ZR, Patel KH, et al. Electrical Storm With Incessant Ventricular Tachycardia in a COVID-19 Patient: Review of Current Evidence. *Cureus.* 2021;13(6):e15604.
4. Mukhopadhyay S, Uppal A, Yusuf J, Muheeb G, Agarwal R. COVID-19 induced ventricular tachycardia storm unmasking a clinically silent cardiomyopathy: a case report. *Eur Heart J Case Rep.* 2021;5(7):ytab220.
5. Liao PH, Cheng YC, Liu PY, Lee IT. Primary hypothyroidism with an episode of ventricular tachycardia in a patient with COVID-19: A case report. *Medicine (Baltimore).* 2022;101(25):e29243.
6. Sahnoun D, Abid M, Fathallah N, Belazreg F, Ben Salem C. Hydroxychloroquine-Induced Premature Ventricular Contractions in a Patient With COVID-19 Disease. *Ann Pharmacother.* 2021;55(8):1061-2.