

Electrical Storm in a patient with Brugada Syndrome and COVID-19 infection

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Abstract

Brugada syndrome is an inherited arrhythmia syndrome characterized by a right bundle branch block and dynamic ST-segment changes in precordial leads V1-V3. In patients with Brugada syndrome, fever is a known trigger that may induce arrhythmia. For patients with Brugada syndrome who contract COVID-19, the inflammatory response poses risk of causing ventricular arrhythmias. The following case discusses management of a patient with Brugada syndrome presenting with electrical storm after contracting COVID-19. Treatment should be focused on aggressive antipyretic management along with concomitant pharmacological therapy.

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