Images in Cardiology

Brugada pattern induced by fever

Ajay K. Sharma a,*, Loveena Lama a, E. Kevin Heist b

a Department of Internal Medicine, Charlton Memorial Hospital, Fall River, MA, USA
b Department of Cardiology, Charlton Memorial Hospital, Fall River and Massachusetts General Hospital, Boston, MA, USA

A forty-nine year old female with a past medical history of myasthenia gravis, status post thymectomy and hypertension presented with fever of 103 F, pleuritic chest pain and cough. Interestingly, her ECG showed type 1 Brugada pattern (Fig. 1). She also gave a history of unexplained syncopal episodes for many years with inconclusive prior work up including a normal echocardiogram, stress test and Holter monitoring. She was treated for community acquired pneumonia. Her ECG returned to baseline in the next few days with improvement in her pneumonia and resolution of her fever (Fig. 2). Given type 1 Brugada ECG pattern induced by fever and unexplained

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Fig. 1 – ECG showing Brugada pattern on presentation with fever.
syncope, an implantable defibrillator was placed after her infection was treated. Fever is a known trigger for ECG changes and cardiac arrest in patients with Brugada syndrome.1 Commercial genetic testing did not identify a causative mutation for her Brugada EKG pattern.

**Conflicts of interest**

All authors have none to declare.

**REFERENCE**


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Fig. 2 — ECG showing resolution of Brugada pattern on treatment of pneumonia which was the cause of fever.