

Catheter Ablation for Brugada Syndrome

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Abstract

We report a case of catheter ablation of Brugada syndrome (BrS) in a patient with refractory ventricular fibrillation (VF) despite quinidine therapy. We performed epicardial substrate mapping which identified an area of abnormal fractionated, prolonged electrogram in the anterior right ventricular outflow tract. Warm saline infusion into the pericardial space induced further delay of the local electrogram, consistent with BrS physiology. Coronary angiogram confirmed the area was distant from major coronary arteries. Ablation was performed in this area which eliminated local abnormal electrograms and led to the disappearance of coved-type ST elevation in V1-V2. No VF recurred at 3-month follow-up.

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