

Radiofrequency ablation for right-free-wall manifest accessory pathway in a child with asymptomatic Wolff-Parkinson-White syndrome-induced left ventricular dysfunction

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Abstract

Abstract: A 5-year-old male child with asymptomatic Wolff-Parkinson-White syndrome, cardiac dysfunction and dilated cardiomyopathy was reported. Electrophysiological study revealed a manifest accessory pathway on the right free wall. Heart failure and ventricular remodeling recovered after a successful radiofrequency ablation in the 10-11 o'clock of the tricuspid annulus. Conclusion: The dyssynchronous movement of the ventricular septum and left ventricular caused by right accessory pathway may be the main electrophysiological mechanism and the prognosis is good after blocking the conduction of accessory pathway.

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