A case of successful treatment of focal Purkinje VT combined with tachycardia induced cardiomyopathy by catheter ablation

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Focal tachycardias occur spontaneously, facilitated by catecholamine infusion, but cannot be initiated or terminated with programmed stimulation. These tachycardias exhibit early activation before the surface QRS but do not typically show the mid-diastolic potential that is crucial for reentrant tachycardia maintenance. Electrophysiologic study (EPS) is useful for distinguishing focal and macroreentrant ventricular tachycardia (VT). We reported a patient without a history of structural heart disease, who presented with a focal Purkinje ventricular tachycardia. The focal Purkinje ventricular tachycardia was eliminated by radiofrequency catheter ablation and symptom of the patient was improved after ablation.