

## Radiofrequency ablation leading to ST-segment elevation: a case report

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Nowadays, ablation treatment of ventricular tachycardia is more and more common, whether it is on structural-diseased or normal heart.<sup>1</sup>

We report the case of a 47-year old female patient in whom an electrophysiology study (EP) with 3D mapping system (CARTO) was performed due to paroxysmal idiopathic sustained ventricular tachycardia (VT). Anterograde as well as retrograde approach was used during the procedure and fascicular VT using left posterior fascicle was diagnosed, however it was rather non-sustained. After 90 minutes of mapping, patient complained of chest pain and sustained VT was recorded in 12-lead electrocardiogram. After short conversion to sinus rhythm an ST-segment elevation in anterior leads was noticed. The EP procedure was aborted and coronary angiography was performed. Coronary angiography showed dissection of ostial left anterior descending artery and percutaneous coronary intervention with implantation of 2 drug-eluting stents was performed.

After 3 months follow up, echocardiography showed normal left ventricular systolic function (EF 60%) with mild hypokinesia of the anteroseptal region. With verapamil as antiarrhythmic therapy the patient was free of VT during 6 months and without heart failure symptoms.

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### LITERATURE

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