

A rare case of saphenous vein early stenosis after coronary artery bypass surgery in patient presented with acute myocardial infarction

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A 73 year-old-woman with diabetes and maintenance dialysis was referred for coronary angiography because of acute myocardial infarction. Five months before, she had surgical treatment of coronary artery bypass graft surgery (CABG: SVG-OM-<Y>-LAD, SVG-#4PD) with aortic valve replacement. Coronary angiography showed severe stenosis in the proximal of Y-saphenous vein and severe diffuse stenosis in the middle of SVG-#4PD with TIMI grade 2 flow. After predilatation of 2.0mm and 2.5mm semi-compliant balloon in the middle of SVG-#4PD, a 4.0 x 12mm Xience Alpine was deployed in the proximal of Y-saphenous vein. Despite of 5 months after the treatment of CABG, angioscopy confirmed that the white-coated smooth surface and partial yellow plaque in the SVG, while intravascular ultrasound and optical coherence tomography showed an absent of extensive thrombus overlying a bulky atherosclerotic plaque and fibrotic intimal hyperplasia. We experienced a rare case of diffuse stenosis in the SVG due to fibrous degeneration in the early phase after CABG.

