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Percutaneous drug-eluting balloon angioplasty to treat dialysis access stenosis



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ARTICLE INFO

ABSTRACT

A common complication of arteriovenous fistula for hemodialysis is development of conduit stenosis, which compromises function and can result in access thrombosis. Possible treatment options include open repair and endovascular therapy, with the latter preferred due to lower morbidity and similar outcomes. Recurrence of conduit stenosis is common and, based on the pathophysiology of this lesion, the application of drug-coated balloon angioplasty is attractive. In this report, the application of drug-eluting balloon angioplasty for dialysis access stenosis in 18 consecutive patients is detailed and primary patency rates of 82% at 1 year and 68% at 2 years were calculated.

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