

RF8 Removal of Occluded Superficial Femoral Artery Stents and Reestablishing Native Artery Patency: Salvage in the Endovascular Era

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OBJECTIVES: Interventions for lower extremity ischemia have proliferated, increasing the number of patients presenting with occluded femoral artery stents, particularly in the setting of TASC C and D lesions. Remote endarterectomy (EndoRE) is a minimally invasive hybrid procedure in which an occluded superficial femoral artery (SFA) is recanalized. Modifications and innovations within EndoRE technique allow for removal of stents, giving patients with occluded stents a minimally invasive alternative to leg bypass.

METHODS: Review of 4 cases and techniques.

RESULTS: Stent removal successful in three out of four attempted patients with 100% limb salvage. Two of the patients had active infections, all had limited autologous venous conduit. Successful composite vein bypass performed in patient who failed attempted stent removal.

CONCLUSIONS: Stent removal using modified EndoRE techniques offers patients a minimally invasive alternative to bypass, particularly in the setting of infection, challenging anatomy or limited conduit.

