Usefulness of combined treatment with the crosser system and thrombolysis in patients with stent occlusion of superficial femoral artery

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Background

Endovascular treatment (EVT) with stent implantation to superficial femoral artery (SFA) stenosis has been considered a first-line treatment. However, thrombotic stent occlusion is a major concern, which causes distal embolism and consume much time in secondary EVT.

Methods

18 patients and 22 lesions undergone EVT for stent occlusion of SFA. Divided them into 2 groups
1) Conventional looped guidewire technique (LGT) group  (n=8, 68±11 years)
2) Crosser catheter followed by IVT (CR-IVT) group  (n=10, 73±8 years)

CR-IVT : 1st step

CR-IVT : 2nd step

IVUS Summary

Conclusion

2 step treatment with Crosser catheter followed by IVT is a safe and useful strategy for thrombotic stent occlusion of SFA.