

Successful Endovascular Therapy for Acute Deep Vein Thrombosis

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A 64-year-old man presented to the emergency department complaining of swelling and pain in right lower limb. A computed tomography revealed thrombotic occlusion of the right femoral~popliteal vein. Because initial medical treatment with anticoagulation was not effective, endovenous therapy was attempted. Before we started the procedure, temporary inferior vena cava (IVC) filter was deployed via right internal jugular vein. Manual aspiration thrombectomy using 6F catheter was performed and urokinase was locally delivered with a 5F FOUNTAIN infusion system via the right popliteal vein. Next day, in addition to the same procedure as previous session, balloon angioplasty for stenotic right femoral vein was performed. Thrombotic occlusion was successfully recanalized and the symptoms markedly improved. The patient has been stable without recurrence of DVT at 3-month follow-up.