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A case of young woman with repeated obstruction of femoral artery

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A 35-year-old woman who was diagnosed as acute thrombosis of femoral artery at another hospital was admitted to our hospital. At the previous hospital, she was performed Fogarty embolectomy, however superficial femoral artery was re-occluded one day later, and Fogarty embolectomy was again underwent, but after six days later, superficial femoral artery re-occluded. So she was transmitted to our hospital, at our hospital microcatheter was placed in superficial femoral artery and continuously urokinase and prostaglandin was infused. Four days later, angiography revealed superficial femoral artery was patent and posterior tibial artery remained still occluded. Immediately we performed angioplasty for posterior tibial artery. Four month later, angiogram revealed diffuse narrowing of superficial femoral artery, and we tried bi-directional angioplasty using two SMART stent. Up to the present time, she was no complaint about her leg. The cause of these four times occlusion was not clear, however most supposed hypothesis was that oral contraceptive may have deteriorated effect for repeated occlusion, although few cases are reported.