Subacute in-stent thrombosis after Zilver PTX implantation for superficial femoral artery ISR lesion
63 Y/O, FEMALE

**Chief Complaint**  Right leg claudication (R3)

**History of present illness**
She underwent EVT of right SFA for 6 years ago.
(2008 EVT for right SFA [Smart 6.0*100mm/3stents])
Recently, claudication for her right leg has been revived.
Then, she was admitted to our hospital for treatment of this symptom.

**Risk factors**
Hypertension, Chronic kidney disease on hemodialysis

**Pre procedural examination**
ABI: 0.54/0.72 (Right/Left)
DUS: restenosis in right SFA lesion
<Approach>
retrograde left femoral approach

<System>
<b>Sheath</b> : 6Fr ANSEL 55cm (Cook)

<b>Guide wire</b> :
Aguru Support 0.014inch, 300cm (Boston scientific)
Radifocus 0.035inch, 260cm (Terumo)

<b>Balloon catheter</b> :
SHIDEN 4.0*200mm (Kaneka)
MUSTANG 5.0*150mm (Boston scientific)

<b>Stent</b> : Zilver PTX 6.0*120mm (Cook)

<b>Rt. SFA (ISR): 90% ⇒ 0%</b>
(Zilver PTX 6.0*120mm / 3 stents)
Post operative course

- ABI was dramatically improved from 0.54 to 0.81.

- Patient was discharged from hospital 2 days after procedure without complication.
Only three days after discharge

Zilver PTX site was occluded
<Approach>
retrograde left femoral approach

<System>
Sheath : 5Fr Destination 45cm (Terumo)
Guide wire :
Aguru Support 0.014inch, 300cm (Boston scientific)
Radifocus 0.035inch, 260cm (Terumo)
Aspiration catheter : Eliminate 6Fr (Terumo)
<Approach>
retrograde left femoral approach

[System]
Sheath : 5Fr Destination 45cm (Terumo)
Guide wire :
Aguru Support 0.014inch, 300cm (Boston scientific)
Radifocus 0.035inch, 260cm (Terumo)
Aspiration catheter : Eliminate 6Fr (Terumo)
<Approach>
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Sheath : 5Fr Destination 45cm (Terumo)
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Radifocus 0.035inch, 260cm (Terumo)
Aspiration catheter : Eliminate 6Fr (Terumo)
Angioscopy : Vecmova NEO (Fiber Tech, Japan)
<Approach>
retrograde left femoral approach

<System>
Sheath : 5Fr Destination 45cm (Terumo)
Guide wire :
Aguru Support 0.014inch, 300cm (Boston scientific)
Radifocus 0.035inch, 260cm (Terumo)
Aspiration catheter : Eliminate 6Fr (Terumo)
Angioscopy : Vecmova NEO (Fiber Tech, Japan)

We decided continuous infusion of Urokinase (240000U/day)
**Post operative course**

- One day after intra arterial thrombolysis with urokinase (240000 U/day), follow up examination was done.

- Angiogram revealed sufficient flow through Zilver PTX.

- Because a lot of red and white thrombus was detected by angioscopy, we prescribed three antiplatelet therapy to prevent recurrent in stent thrombosis.
Follow-up angioscopy 2 months after EVT
Summary

- We angioscopically evaluated a case of subacute thrombosis occurring 5 days Zilver PTX implantation.

- We successfully recanalized the stent thrombosis with using urokinase.

- Since then, stent thrombosis has not occurred to prescribe three antiplatelet therapy.

- Angioscopy 2 months after EVT demonstrated fully visible struts with red thrombus adhesion.
Conclusion

We experienced the case of subacute stent thrombosis with angioscopic evaluation, and successfully recovered only endovascular therapy without any complication.