A Rare SFA Pseudoaneurysm Formation after Drug-Coating Balloon Treatment

Xiangjiang Guo, MD, PHD; Meng Ye, MD,PHD; Lan Zhang, MD,PHD

Department of Vascular Surgery, Renji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

Objective: To report a rare SFA pseudoaneurysm formation after drug-coating balloon treatment of SFA ISR (In-Stent-Restenosis).

Methods: A 80-year-old male complained of increasing right thigh pain for 2 weeks, with a history of HBP, CAD stent implantation due to angina. Because of BMS ISR, he received SFA DCB angioplasty 6 weeks ago. CTA showed multiple pseudoaneurysm formation from the onset of SFA to the popliteal artery. He was readmitted to hospital and received Viabahn implantation. Thrombin was injected to the pseudoaneurysm at the same time for further clotting due to unsatisfactory occlusion of pseudoaneurysm.

Results: The patient recovered with no comorbidities and discharged 1 week later with dual antiplatelet therapy. Ultrasound scan was performed 5 months later and no further pseudoaneurysm was found. His popliteal artery and dorsalis pedis artery pulse are strong.

Conclusions:

In summary, we report a rare event of pseudoaneurysm formation after DCB treatment, which might be associated with the cytotoxic drugs in combination of wall damage. The safety of DCB should be under further consideration and discussion.

Key words: SFA, pseudoaneurysm, drug-coating balloon

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