

Supplementary table 1. Detailed information for the EVT group

NO.	Working directory	Procedure	Balloon pre-extension*	Stents*	Balloon pre-extension *	Explanation	Complication	Pre-operative grading	Post-operative grading	Follow up\$	Specific
1	Left humoral -bilateral femoral	Kissing	None	One side: Viabahn 8-100mm, Everflex 8-100mm; the other side: Viabahn 8-100mm, Everflex 8-80mm	6-80	Pre-operative catheter thrombolysis	Retroperitoneal hematoma	II	/	6	Study endpoint
2	Left humoral -bilateral femoral	Kissing	5-120	One side: Medtronic 8-150mm, Viabahn 8-100mm; the other side: Medtronic 8-150mm, Medtronic 8-120mm	7-80	left subclavian artery balloon expansion, bilateral femoral artery intimal exfoliation, right femoral-popliteal artery bypass at the same time,	Urinary tract infection	IV	Asymptomatic	4	Claudication recurred
3	Right humoral -left femoral	Kissing	6-140	One side: Everflex 7-150mm, Everflex 8-150mm; the other side: Everflex 7-150mm, Everflex 8-120mm	7-100	Pre-operative thrombus aspiration and catheter thrombolysis	None	III	Asymptomatic	12	Study endpoint
4	Left humoral -bilateral femoral	Kissing	6-120	Both sides: Everflex 8-150mm, Medtronic8-150mm	6-120	None	None	III	III	22	The symptoms remained

5	Failed	/	/	/	/	Acute kidney failure	Acute renal infarction	IV	/	/	Transferred to non-anatomic bypass
6	Left humoral -bilateral femoral	Kissing	4-100	One side: COOK 8-40mm, Medtronic 8-150mm, Medtronic 6-150mm; The other side: Medtronic 8-150mm, Medtronic 6-150mm	6-100	None	None	III	Asymptomatic	27	Study endpoint
7	Left humoral -bilateral femoral	Kissing	4-120	Both sides: Medtronic 8-150mm, Medtronic 8-100mm;	7-100	Thrombus aspiration and intimal exfoliation of right femoral artery	None	III	Asymptomatic	28	Study endpoint
8	Failed*	/	/	/	/	Guidewire could not pass the lesion	None	V	/	/	Transferred to conservative treatment
9	Left humoral -right femoral	Kissing	无	One side: Medtronic 8-150mm, Medtronic 8-100mm; The other side: Medtronic 8-150mm, Medtronic 8-80mm	6-80 7-80	None	None	III	Asymptomatic	50	Study endpoint
10	Left humoral -bilateral femoral	Kissing	无	One side: Optimed 10-80mm, Medtronic 8-100mm, Medtronic 8-60mm; the other side:	7-80	None	None	III	III	3	Symptoms remained post-operatively and progressed 3

				Optimed 10-60mm, Medtronic 8-60mm One side: Medtronic 8-100mm; The other side: Medtronic 8-100mm, Medtronic 8-40mm One side: Medtronic 8-100mm; the other side: Medtronic 8-120mm							months later, then repeated EVT
11	Left humoral -right femoral	Kissing	无	7-80	Post-operative catheter thrombolysis of right side	Small hematoma at the puncture site	III	Asymptomatic	15	Lost	
12	Left humoral -right femoral	Kissing	4-120	7-60	None	None	I	Asymptomatic	58	Study endpoint	
13	Left humoral -bilateral femoral	Kissing	4-80	None	None	None	IV	Asymptomatic	68	Study endpoint	
14	Right humoral -bilateral femoral	Kissing	4-80 6-40	6-60	Post-operative catheter thrombolysis of right side	Acute thrombosis during the surgery	III	Asymptomatic	73	Study endpoint	
15	Left humoral -right femoral	Kissing	3-120 3.5-120 4-120 6-40	7-60	None	None	III	Asymptomatic	79	Study endpoint	
16	Left humoral -bilateral femoral	Kissing	4-80	4-80 7-60	None	None	III	Asymptomatic	80	Study endpoint	

%: The stent or balloon was labeled as diameter - length in millimeters. Unless noted, only one was used for each side. Except for the Viabahn self-expanding covered stent, the rest were self-expanding bare stents.

§: If the symptom was aggravated again compared to the best post-operative condition, it was the month when the symptoms worsen. If not, it was the interval from post-operative period to the loss of follow-up.

* The guide wire could not pass through the occluded segment in patient NO. 5. Because she was an 82-year-old woman. The echocardiography and myocardial perfusion imaging showed left ventricular enlargement, the myocardial perfusion of inferior wall was irreversibly decreased which indicated cardiac ischemia and probable lesion of LCA and RCA, the ejection fraction was 39%. So, bypass surgery was too aggressive for her that the surgical team and the family members agreed with conservative treatment.