

Table S10. Aneurism formation/development as an outcome of the cannulation technique in arteriovenous fistulas in RCT studies

First author	Study design	Average age (years)	Sample size		Outcome		P Value	Notes
			Experimental group	Control group	Experimental group	Control group		
Aneurism formation/development								
Struthers J. et al. (2010) [26]	RCT	BH = 61	28	28	Mean 1%	Mean 30%	< 0,01	Assessed average increase in size
		TRL = 60			SEM ± 22%	SEM ± 7%		
Vaux E. et al. (2013) [27]	RCT	BH = 62	58	69	23%	67%	--	- Existing aneurysm enlargement
		UP = 64			2 (4%)	9 (17%)		- New aneurysm formation
Peralta R. et al. (2022) [19]	RCT	MuST = 68.48	59		n = 1 (1.7%)			Assessed new aneurism formation
		BH = 68.78		56	0			
		RL = 65.95		57	n = 1 (1.8%)	--		

Abbreviations: RCT: randomized clinical trial; BH: buttonhole; TRL: traditional RL; UP: usual practice; MuST: multiple single cannulation technique; RL: rope-ladder
SEM: standard error of the mean