

Supplementary Materials

Table S1. Ostial stability assessment among investigated groups ($p < 0.001$).

Group number	Stability				Total
		Optimal	Suboptimal	Necessity to change catheter	
1.	Observed	8	9	3	20
	% in row	40.0 %	45.0 %	15.0 %	100.0 %
2.	Observed	18	2	0	20
	% in row	90.0 %	10.0 %	0.0 %	100.0 %
3.	Observed	15	1	4	20
	% in row	75.0 %	5.0 %	20.0 %	100.0 %
4.	Observed	13	2	5	20
	% in row	65.0 %	10.0 %	25.0 %	100.0 %
5.	Observed	19	0	1	20
	% in row	95.0 %	0.0 %	5.0 %	100.0 %
Total	Observed	73	14	13	100
	% in row	73.0 %	14.0 %	13.0 %	100.0 %

Table S2. Comparison of time frames between single catheter groups and control group.

	Single catheter groups. (groups 1-4) N=80	Control group N=20	p value
T2 [s]	71 ± 54	68 ± 47	0.89
T3 [s]	68 ± 69	69 ± 75	0.93
T4 [s]	50 ± 35	41 ± 18	0.52
T5 / T5a+T5b [s]	77 ± 76	111 ± 71	0.008 ^a
T6 [s]	108 ± 90	79 ± 45	0.087
T7 [s]	374 ± 189	367 ± 123	0.705
T2+T3+T5 [s]	216 ± 142	248 ± 125	0.18

^aU-Mann-Whitney test.

Table S3. Comparison of time frames in each group.

	Group 1	Group 2	Group 3	Group 4	Group 5	p value
T2 [s]	70 ± 49	46 ± 35	65 ± 56	104 ± 63	68 ± 47	0.005 ^a
T3 [s]	52 ± 72	46 ± 32	748 ± 56	99 ± 94	69 ± 75	0.11
T4 [s]	48 ± 24	53 ± 40	56 ± 54	43 ± 19	41 ± 18	0.90
T5/T5a+T5b [s]	67 ± 73	66 ± 67	91 ± 76	85 ± 90	111 ± 71	0.055 ^b
T6 [s]	121 ± 63	95 ± 71	96 ± 56	119 ± 58	79 ± 45	0.11
T7 [s]	358 ± 174	306 ± 149	381 ± 201	448 ± 211	367 ± 123	0.15
T2+T3+T5 [s]	190 ± 148	158 ± 80	230 ± 136	287 ± 164	248 ± 125	0.017 ^c

^aKruskal-Wallis One-Way ANOVA (significant difference in group 2 vs. 4; $p = 0.001$); ^bKruskal-Wallis One-Way ANOVA (significant difference in group 2 vs. 5; $p = 0.023$); ^cKruskal-Wallis One-Way ANOVA (significant difference in group 2 vs 4; $p = 0.026$).