

**Supplementary Table 1.** Data Set for Two-Dimensional Anteversion

No. of trials	Planning value (°)	With surgical navigation		Without surgical navigation	
		Measured value (°)	Error (°)	Measured value (°)	Error (°)
		A	B	B-A	C
1	4.49	3.80	0.69	3.96	0.53
2	4.49	5.02	0.53	5.17	0.68
3	4.49	4.74	0.25	14.61	10.12
4	4.49	3.05	1.44	6.24	1.75
5	4.49	4.33	0.16	1.95	2.54
6	4.49	1.84	2.65	2.30	2.19
7	4.49	2.26	2.23	0.98	3.51
8	4.49	1.57	2.92	11.08	6.59
9	4.49	5.71	1.22	18.16	13.67
10	4.49	4.12	0.37	3.16	1.33
11	4.49	3.86	0.63	7.32	2.83
12	4.49	4.07	0.42	0.39	4.10
13	4.49	6.96	2.47	9.65	5.16
14	4.49	6.56	2.07	10.01	5.52
15	4.49	5.62	1.13	9.74	5.25
16	4.49	5.54	1.05	6.49	2.00
17	4.49	4.87	0.38	6.53	2.04
18	4.49	4.87	0.38	20.32	15.83
19	4.49	7.81	3.32	10.58	6.09
20	4.49	7.53	3.04	5.47	0.98
21	4.49	2.57	1.92	7.59	3.10
22	4.49	3.24	1.25	12.31	7.82
23	4.49	3.02	1.47	4.87	0.38
24	4.49	7.03	2.54	18.23	13.74
25	4.49	5.35	0.86	0.74	3.75
26	4.49	7.36	2.87	10.24	5.75
27	4.49	4.99	0.50	2.57	1.92
28	4.49	1.80	2.69	7.40	2.91
29	4.49	4.52	0.03	6.50	2.01
30	4.49	3.82	0.67	13.65	9.16