

**Supplementary Table 6.** Data Set for *d*

No. of trials	Planning value (mm)	With patient specific instrument		Without patient specific instrument	
		Measured value (mm)	Error (mm)	Measured value (mm)	Error (mm)
	A	B	B-A	C	C-A
1	10.00	9.40	0.72	15.20	5.08
2	10.00	9.76	0.36	11.45	1.33
3	10.00	8.85	1.27	12.99	2.87
4	10.00	10.49	0.37	12.11	1.99
5	10.00	10.23	0.11	14.98	4.86
6	10.00	10.31	0.19	12.33	2.21
7	10.00	9.40	0.72	15.20	5.08
8	10.00	11.04	0.92	13.88	3.76
9	10.00	9.94	0.18	13.88	3.76
10	10.00	8.85	1.27	14.10	3.98
11	10.00	10.31	0.19	13.66	3.54
12	10.00	10.67	0.55	13.88	3.76
13	10.00	10.13	0.01	12.11	1.99
14	10.00	9.94	0.18	14.10	3.98
15	10.00	8.67	1.45	11.22	1.10
16	10.00	10.13	0.01	12.55	2.43
17	10.00	9.58	0.54	12.77	2.65
18	10.00	10.49	0.37	11.89	1.77
19	10.00	9.03	1.09	12.55	2.43
20	10.00	10.13	0.01	14.54	4.42
21	10.00	9.21	0.91	14.32	4.20
22	10.00	9.94	0.18	13.21	3.09
23	10.00	10.31	0.19	12.33	2.21
24	10.00	9.76	0.36	13.66	3.54
25	10.00	10.31	0.19	8.58	1.54
26	10.00	10.49	0.37	13.88	3.76
27	10.00	9.58	0.54	10.74	0.62
28	10.00	9.76	0.36	14.54	4.42
29	10.00	10.67	0.55	13.66	3.54
30	10.00	9.96	0.16	14.76	4.64