

**Table A1: Mean posterior translation of the popliteus tendon at the tibial plateau level (in mm\*)**

Flexion angle	Normosized TKA (1)		Oversized TKA (2)		Undersized TKA (3)	
	mean $\pm$ SD	(Min – Max)	mean $\pm$ SD	(Min – Max)	mean $\pm$ SD	(Min – Max)
0°	4.1 $\pm$ 2.0	(1.7 – 7.7)	15.8 $\pm$ 3.0	(9.8 – 19.5)	-1.1 $\pm$ 1.2	(-3.0 – 0.1)
20°	3.5 $\pm$ 2.2	(0.7 – 7.0)	10.5 $\pm$ 2.0	(7.8 – 12.8)	-0.5 $\pm$ 1.0	(-1.8 – 0.7)
40°	2.7 $\pm$ 0.6	(1.5 – 3.3)	11.8 $\pm$ 1.3	(9.0 – 13.4)	-3.0 $\pm$ 1.8	(-6.6 – -1.7)
60°	1.7 $\pm$ 0.3	(1.2 – 2.0)	8.5 $\pm$ 0.7	(7.2 – 8.3)	-5.4 $\pm$ 1.3	(-6.5 – -2.6)
80°	1.2 $\pm$ 0.9	(0.5 – 2.9)	8.8 $\pm$ 0.3	(8.2 – 9.2)	-3.0 $\pm$ 1.6	(-5.3 – -0.6)
100°	-2.0 $\pm$ 0.7	(-2.7 – -0.7)	4.6 $\pm$ 0.9	(3.1 – 6.0)	-2.7 $\pm$ 1.4	(-4.6 – -0.9)
120°	-3.2 $\pm$ 0.4	(-3.7 – -2.6)	3.4 $\pm$ 0.7	(2.3 – 4.2)	0.4 $\pm$ 0.1	(0.2 – 0.6)
140°	-2.9 $\pm$ 0.5	(-3.6 – -2.1)	4.3 $\pm$ 0.8	(2.9 – 5.3)	-0.6 $\pm$ 0.4	(-1.0 – 0.0)

\* positive value means posterior deviation