

TABLE E-1 Western Ontario and McMaster Universities Osteoarthritis (WOMAC) Index¹⁶

Time Period	Parameter					Total
	Pain		Stiffness		Physical Function	
	NexGen CR-Flex	NexGen LPS-Flex	NexGen CR-Flex	NexGen LPS-Flex		
Preoperative (<i>points</i>)						
Mean	13.0	12.0	6.0	7.0	47.3	66.5
Minimum	3	3	2	2	20	26
Maximum	20	19	8	9	68	96
Standard deviation	3.30	3.13	1.30	1.25	9.17	12.49
Latest follow-up (<i>points</i>)						
Mean	5.5	4.9	3.0	3.1	23.5	32.0
Minimum	0	0	0	0	0	0
Maximum	15	14	7	6	55	75
Standard deviation	3.77	2.98	1.81	1.72	13.47	17.92
P value*	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

*Paired t test. The p values pertain to the comparison between the preoperative mean and the mean at the time of the latest follow-up.

TABLE E-2 Radiographic Results

Parameter	NexGen CR-Flex	NexGen LPS-Flex	P Value*
Alignment (standing) (<i>deg</i>)			
Preoperative			0.710
Average and standard deviation	0.7 ± 4.2	0.6 ± 4.5	
Range	−13.4 to 13.2	−16.8 to 8.1	
95% confidence interval	0.2 to 1.2	0.0 to 1.1	
Latest follow-up			0.880
Average and standard deviation	6.5 ± 2.4	6.5 ± 2.6	
Range	−1.0 to 13.7	−0.9 to 12.7	
95% confidence interval	6.2 to 6.8	6.2 to 6.9	
Femoral component position (<i>deg</i>)			
Anteroposterior			0.790
Average and standard deviation	97.7 ± 1.7	97.7 ± 1.9	
Range	92.4 to 101.9	91.5 to 104.4	
95% confidence interval	97.5 to 97.9	97.5 to 98.0	
Sagittal			0.789
Average and standard deviation	1.1 ± 2.8	1.0 ± 3.1	
Range	−6.3 to 10.9	−7.41 to 13.9	
95% confidence interval	0.7 to 1.4	0.6 to 1.4	
Tibial component position (<i>deg</i>)			
Anteroposterior			0.871
Average and standard deviation	88.4 ± 2.1	88.3 ± 2.1	
Range	81.5 to 94.8	81.7 to 93.9	
95% confidence interval	88.1 to 88.6	88.1 to 88.6	
Sagittal			0.532
Average and standard deviation	83.5 ± 2.7	83.3 ± 2.8	
Range	75.7 to 89.9	75.6 to 91.1	

95% confidence interval	83.1 to 83.8	83.0 to 83.6	
Patellar component angle (<i>deg</i>)			0.652
Average and standard deviation	5.5 ± 2.9	5.8 ± 6.4	
Range	−8.7 to 25.3	−11.3 to 27.6	
95% confidence interval	4.8 to 6.2	5.0 to 6.5	
Tibial surface capping (%)			0.416
Average and standard deviation	97.9 ± 2.9	98.1 ± 3.2	
Range	90.9 to 105.2	85.7 to 109.1	
95% confidence interval	97.6 to 98.3	97.7 to 98.5	
Joint line (<i>mm</i>)			
Preoperative			0.891
Average and standard deviation	15.7 ± 3.8	15.7 ± 4.0	
Range	5.0 to 27.4	6.2 to 25.0	
95% confidence interval	15.3 to 16.2	15.2 to 16.2	
Latest follow-up			0.662
Average and standard deviation	14.1 ± 3.4	13.9 ± 3.3	
Range	2.8 to 21.4	3.8 to 23.8	
95% confidence interval	13.6 to 14.5	13.5 to 14.3	
Posterior condylar offset (<i>mm</i>)			
Preoperative			0.505
Average and standard deviation	25.4 ± 2.6	25.5 ± 2.8	
Range	17.6 to 32.7	17.1 to 28	
95% confidence interval	25.0 to 25.7	25.2 to 25.9	
Latest follow-up			0.102
Average and standard deviation	25.8 ± 2.5	26.5 ± 2.6	
Range	18.5 to 32.6	19.7 to 33.0	
95% confidence interval	25.4 to 26.1	26.1 to 26.8	

*Paired t test.

TABLE E-3 Outliers of Alignment of Limbs

Angle (<i>deg</i>)	NexGen CR-Flex (<i>no. of knees</i>)	NexGen LPS-Flex (<i>no. of knees</i>)	P Value*
0 to 3	233 (93%)	235 (94%)	0.813
4 to 6	15 (6%)	12 (5%)	0.524
>6	2 (1%)	3 (1%)	0.631

*Paired t test.