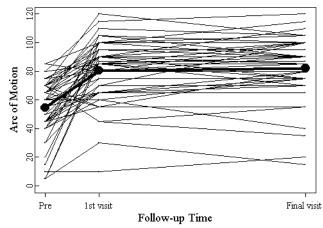


Fig. E-1

Figs. E-1, E-2, and E-3 Extension, flexion, and arc from preoperative to final follow-up visit. The bold line represents the sample mean across patients.





Lost extension $n = 4$ (degrees)	Change in flexion (degrees)	Change in arc (degrees)	
5	85 gained	80 gained	
25	45 gained	20 gained	
5	65 gained	60 gained	
15	no change	15 lost	
Lost flexion $n = 7$ (degrees)	Change in extension (degrees)	Change in arc (degrees)	
5	15 gained	10 gained	
15	no change	15 lost	
5	10 gained	5 gained	
10	15 gained	5 gained	
5	5 gained	no change	
35	no change	35 lost	
10	60 gained	50 gained	
Lost arc of motion $n = 3$ (degrees)	Change in extension (degrees)	Change in flexion (degrees)	
15	15 lost	no change	
15	no change	15 lost	
35	no change	35 lost	

TABLE E1. Results of knees that lost some degree of motion after revision surgery

Unchanged extension $(n = 17)$	n	Preoperative extension (degrees)	Change in flexion (degrees)	Change in arc (degrees)
	1	15	gained 5	gained 15
	2	5	gained 45	gained 50
	15	0		
Unchanged flexion $(n = 4)$	n	Preoperative flexion (degrees)	Change in extension (degrees)	Change in arc (degrees)
	1	115	gained 30	gained 30
	2	60	gained 10	gained 5
	3	70	lost 15	lost 15
	4	75	gained 5	gained 10
Unchanged arc of motion $(n = 1)$	n	Preoperative arc of motion (degrees)	Change in extension (degrees)	Change in flexion (degrees)
	1	75	gained 5	lost 5

TABLE E2. Results of knees that had no change in some aspect of motion after revision surgery

	Change in Extension	Change in Flexion	Change in Arc of Motion
Parameter	Mean \pm SD	Mean \pm SD	Mean ± SD
Location where surgery performed*			
Study Institution (n = 19)	-8.53 ± 7.83	24.21 ± 21.94	32.74 ± 20.43
Outside Hospital $(n = 37)$	-7.24 ± 14.24	17.30 ± 24.91	24.73 ± 24.58
Revision Implant*			
PFC $(n = 8)$	-3.75 ± 7.44	17.50 ± 20.87	21.25 ± 19.96
PFC-S (n = 15)	-5.87 ± 8.98	20.67 ± 25.97	26.67 ± 26.44
Scorpio (n = 7)	-17.9 ± 21.96	27.14 ± 31.34	45.00 ± 19.58
Sigma (n = 13)	-8.46 ± 11.07	16.15 ± 21.13	24.62 ± 25.61
TC3 (n = 8)	-2.75 ± 13.22	23.75 ± 29.49	26.50 ± 23.92
Lateral Retinacular Release*			
No (n = 50)	-7.50 ± 12.49	19.70 ± 24.75	27.34 ± 24.46
Yes (n = 6)	-9.17 ± 12.42	19.17 ± 17.72	28.33 ± 12.11
Quadriceps Snip*			
No (n = 48)	-7.50 ± 13.15	20.94 ± 25.26	28.58 ± 24.80
Yes (n = 8)	-8.75 ± 6.41	11.88 ± 12.23	20.63 ± 10.16
Tibial Tubercle Osteotomy*			
No (n = 52)	-8.08 ± 12.67	18.08 ± 24.11	26.29 ± 23.77
Yes $(n = 4)$	-2.50 ± 6.45	40.00 ± 7.07	42.50 ± 9.57
Constrained* (n = 8)	-2.75 ± 13.22	23.75 ± 29.49	26.50 ± 23.92
Posterior Stabilized* $(n = 48)$	-8.50 ± 12.18	18.96 ± 23.22	27.60 ± 23.54
Pre-Revision Etiology*			
Heterotopic Ossification $(n = 3)$	-10.00 ± 8.66	35.00 ± 31.22	45.00 ± 22.91
Loose $(n = 18)$	-11.80 ± 15.62	16.94 ± 20.87	29.17 ± 19.35
Oversized $(n = 10)$	-6.20 ± 8.82	24.00 ± 24.01	30.20 ± 21.61
Scarring only $(n = 25)$	-5.00 ± 10.99	18.00 ± 25.78	23.00 ± 26.54

TABLE E3. Factors potentially affecting range of motion after revision surgery

*No significant differences in change of mean range of motion based on p value from analysis of covariance (ANCOVA) and Kruskal-Wallis test.