

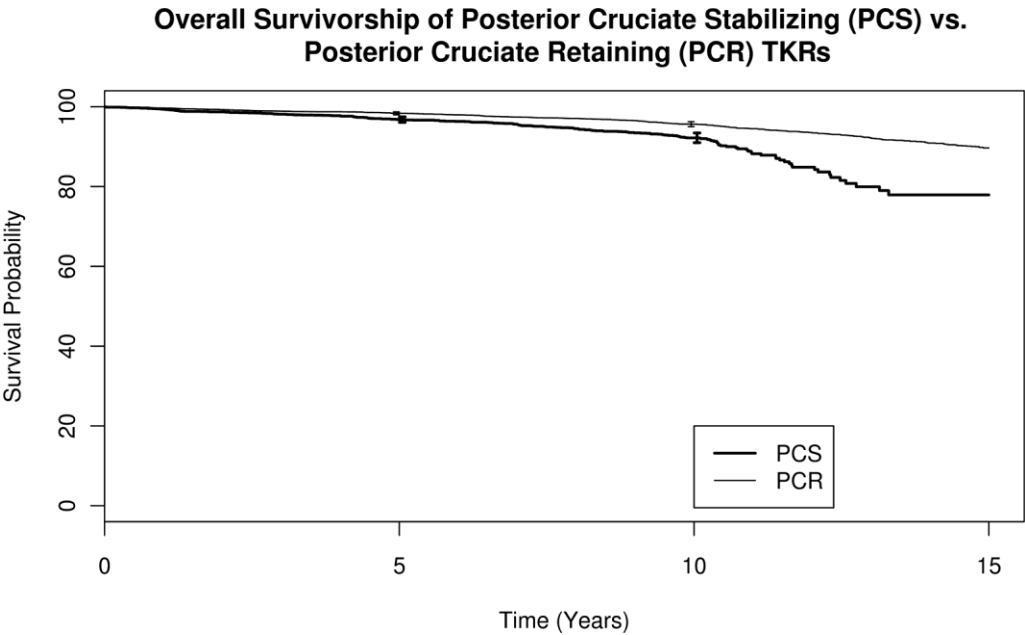


Fig. E-1
Kaplan-Meier plot showing the survival of posterior cruciate-stabilizing (PCS) and posterior cruciate-retaining (PCR) and primary total knee replacements (TKRs), with revision for aseptic loosening as the end point.

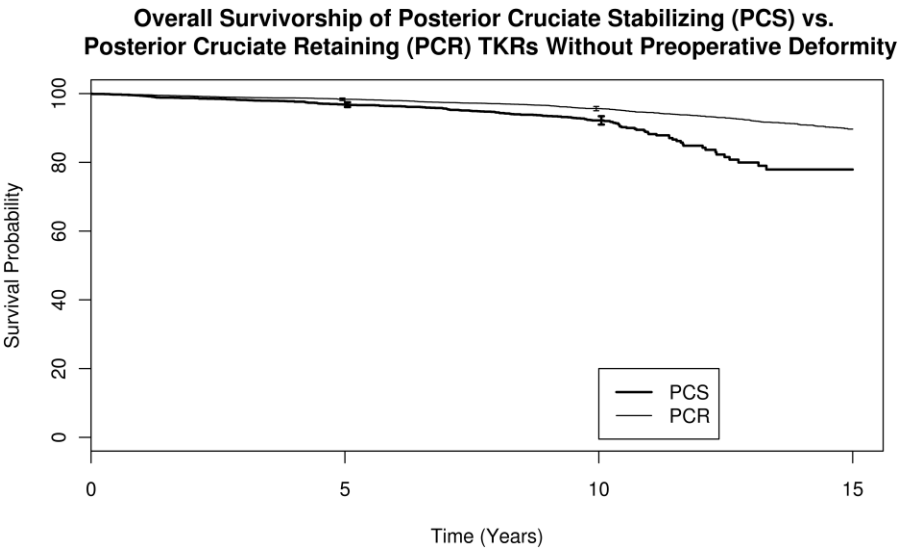


Fig. E-2
Kaplan-Meier curve showing the overall survival of posterior cruciate-stabilizing (PCS) and posterior cruciate-retaining (PCR) total knee replacements (TKRs) in knees without preoperative deformity.

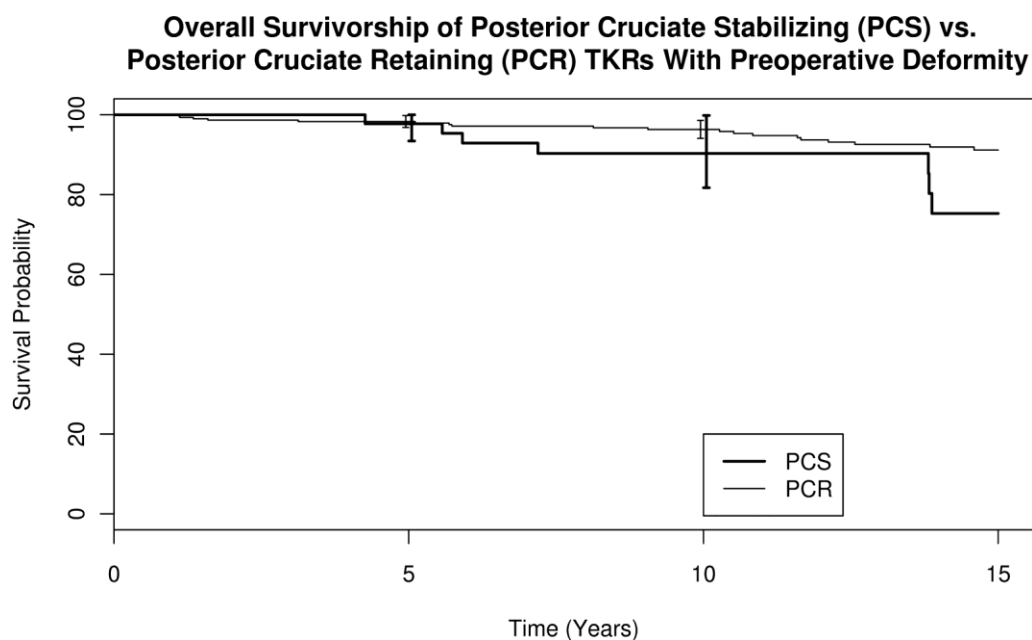


Fig. E-3

Kaplan-Meier curve showing the overall survival of posterior cruciate-stabilizing (PCS) and posterior cruciate-retaining (PCR) total knee replacements (TKRs) in knees with preoperative deformity.

TABLE E-1 Demographic Data on Patients Managed with 8117 Primary Total Knee Arthroplasties

Variable	PCS Group (N = 2728)	PCR Group (N = 5389)
Age at index surgery† (yr)	68.2 ± 10.3	69.7 ± 9.0
Height† (cm)	167.4 ± 11.0	166.0 ± 11.2
Weight† (kg)	86.1 ± 18.8	82.6 ± 16.0
Body-mass index†	30.7 ± 6.0	29.9 ± 5.1
Anesthesia time† (min)	258.5 ± 68.5	248.4 ± 68.7
Tourniquet time† (min)	100.1 ± 39.0	102.4 ± 32.3
Female sex (no. of knees)	1524 (56%)	2902 (54%)

*PCS = posterior cruciate-stabilizing, and PCR = posterior cruciate-retaining. †The values are given as the mean and the standard deviation.

TABLE E-2 Specific Implant Profile of the 8117 Primary Total Knee Arthroplasties

Implant*	Number of Knees
DePuy PFC Sigma CR (Warsaw, IN)	2754 (33.9%)
DePuy PFC Sigma PS (Warsaw, IN)	2285 (28.1%)
Smith & Nephew/Richards Genesis I CR (Memphis, TN)	1430 (17.6%)
Johnson & Johnson PFC (New Brunswick, NJ)	635 (7.8%)
Smith & Nephew Richards Genesis II PS (Memphis, TN)	435 (5.4%)
Osteonics Omnifit Series 3000 (Allendale, NJ)	246 (3.0%)
Zimmer NexGen CR (Warsaw, IN)	190 (2.3%)
DePuy PFC Sigma RP TC3 (Warsaw, IN)	80 (1.0%)
Howmedica Kinemax Plus (Rutherford, NJ)	26 (<1%)
Howmedica PCA (Rutherford, NJ)	24 (<1%)
Zimmer Insall-Burstein (Warsaw, IN)	4 (<1%)
Johnson & Johnson Darwin PS (New Brunswick, NJ)	3 (<1%)
Johnson & Johnson Darwin CR (New Brunswick, NJ)	3 (<1%)
Zimmer NexGen CS (Warsaw, IN)	2 (<1%)
Total	8117 (100%)

*CR = cruciate-retaining; CS = cruciate-stabilizing; PFC = Press Fit Condylar; PS = posterior-stabilizing; RP = Rotating Platform.