

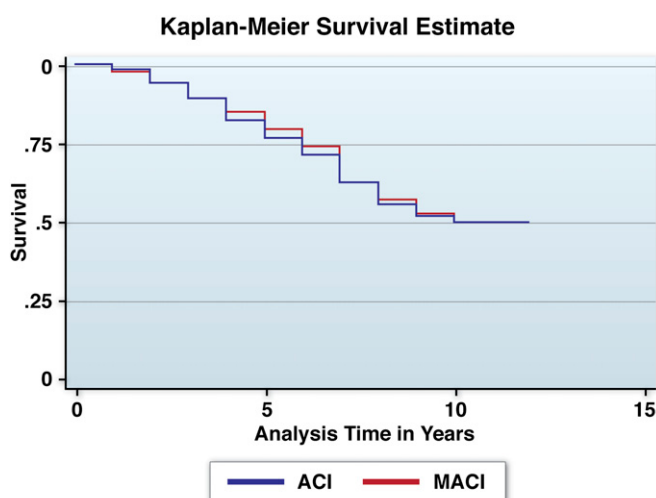


Fig. E-1

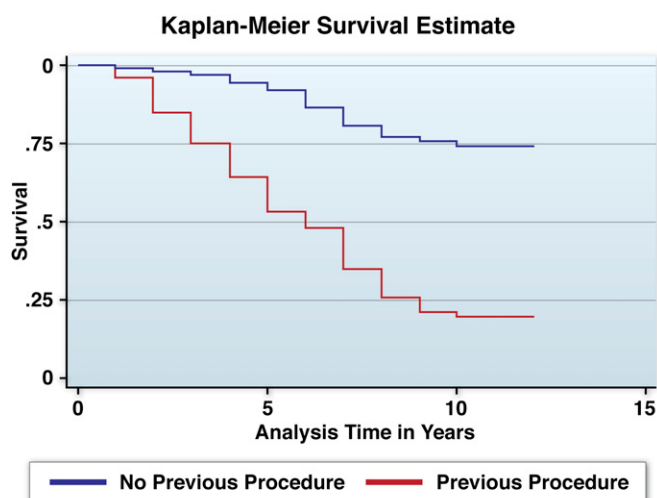


Fig. E-2

Fig. E-1 Kaplan-Meier survival estimate according to the type of procedure. **Fig. E-2** Kaplan-Meier survival estimate according to the influence of previous cartilage regenerative procedures.

TABLE E-1 Multivariate Analysis of Survival Time				
Variable	HR	SE	95% CI	P Value
Osteoarthritis			<0.001*	
Grade 0 (baseline)	1			
Grade 1	1.542	0.398	0.930-2.557	0.093
Grade 2	1.869	0.288	1.381-2.529	<0.001
Grade 3	1.985	0.606	1.092-3.610	0.025
Age at time of operation	1.032	0.009	1.016-1.049	<0.001
Previous procedure				
No (baseline)	1			
Yes	4.718	0.742	3.466-6.420	<0.001
Site			0.1276*	
Lateral femoral condyle (baseline)	1			
Medial femoral condyle	1.806	0.512	1.036-3.149	0.037
Patella	1.323	0.388	0.745-2.351	0.339
Trochlea	1.409	0.584	0.625-3.174	0.408
Multisite	1.678	0.711	0.731-3.851	0.222
Size	1.000	0.0002	0.999-1.0002	0.284
Type of procedure				
ACI-C/ACI-P (baseline)	1			
MACI	1.025	0.142	0.781-1.345	0.860
Preop. score				
Stanmore	1.000	0.123	0.785-1.273	0.999
VAS	1.070	0.044	0.987-1.161	0.100
Cincinnati	0.995	0.006	0.984-1.007	0.427

*Likelihood ratio test of all categories of the factor.

TABLE E-2 Kaplan-Meier Survival Estimates

Time Postop. (yr)	No. of Patients			Survival Probability	SE	95% CI
	Beginning Total	Failure	Lost to Follow-up			
1	827	15	22	0.982	0.005	0.970-0.989
2	790	35	53	0.938	0.008	0.920-0.953
3	702	33	59	0.894	0.011	0.871-0.914
4	610	39	72	0.837	0.014	0.808-0.862
5	499	33	73	0.782	0.016	0.749-0.811
6	393	29	55	0.724	0.018	0.687-0.757
7	309	41	71	0.628	0.021	0.586-0.667
8	197	21	73	0.561	0.023	0.514-0.605
9	103	7	30	0.523	0.026	0.471-0.572
10	66	2	37	0.507	0.027	0.452-0.559

TABLE E-3 Likelihood Ratio Test of all Categories of Factors: Univariate Analysis of Survival Time

Model	Variable	Univariate Cox Regression			P Value	N
		HR	SE	95% CI		
1	Osteoarthritis				<0.001	827
	Grade 0 (baseline)	1				
	Grade 1	2.077	0.498	1.299-3.322	0.002	
	Grade 2	3.450	0.467	2.646-4.498	<0.001	
	Grade 3	3.820	1.088	2.185-6.677	<0.001	
2	Age at operation	1.039	0.007	1.025-1.053	<0.001	826
3	Previous procedure					827
	No (baseline)	1				
	Yes	5.330	0.736	4.067-6.986	<0.001	
4	Site				0.005	827
	Lateral femoral condyle (baseline)	1				
	Medial femoral condyle	2.400	0.653	1.409-4.092	0.001	
	Patella	2.432	0.686	1.399-4.228	0.002	
	Trochlea	1.783	0.691	0.835-3.811	0.135	
	Multisite	1.937	0.734	0.921-4.070	0.081	
5	Size	1.000	0.0002	0.9998-1.0006	0.262	728
6	Type of procedure					827
	ACI-C/ACI-P (baseline)	1				
	MACI	0.948	0.121	0.738-1.219	0.678	
	Preop. score					
7	Stanmore	1.384	0.117	1.173-1.633	<0.001	826
8	VAS	1.142	0.037	1.072-1.217	<0.001	822
9	Cincinnati	0.984	0.004	0.977-0.992	<0.001	826