S1. Supplementary appendix

Supp. table 1. Sub-analysis including deaths. Health utilities for TKR plus non-surgical treatment vs non-surgical treatment alone at baseline and at 3 months, 6 months, 12 months and 24 months follow-up.

Utilities	TKR+non-surgical group						Non-surgical group					
	Baseline	3 months	6 months	12 months	24 months	24 months (discounted)	Baseline	3 months	6 months	12 months	24 months	24 months (discounted)
Mean	0.661	0.845	0.865	0.861	0.821	0.797	0.681	0.780	0.757	0.795	0.742	0.721
SD	0.156	0.145	0.139	0.177	0.266	0.258	0.147	0.117	0.157	0.151	0.225	0.219
Median	0.723	0.824	0.824	0.919	1.000	0.971	0.723	0.776	0.776	0.776	0.776	0.753
25th	0.655	0.750	0.776	0.776	0.723	0.702	0.655	0.723	0.723	0.723	0.723	0.701
75th	0.723	1.000	1.000	1.000	1.000	0.971	0.771	0.824	0.824	1.000	0.831	0.807
N	50	40	42	46	46	46	50	46	49	49	48	48

TKR=Total knee replacement; QALY=quality-adjusted life-years; discounted= i.e. future health utilities value converted to present health utilities value.

Supp. table 2. Sub-analysis including deaths. Incremental cost-effectiveness ratios (ICERs) and probability of cost-effectiveness of TKR plus non-surgical treatment vs non-surgical treatment alone for each scenario.

Analysis	Incremental cost	95% CI	Incremental effect	95% CI	ICER	Probability of cost-effectiveness at € 22,665
	€		QALY		€ / QALY	%
Base-case	7,880	2,894 to 12,867	0.123	-0.011 to 0.257	64,208	7.8
Scenario 1	8,585	2,442 to 14,728	0.178	0.011 to 0346	48,128	12.4
Scenario 2	8,805	2,201 to 15,409	0.190	0.023 to 0.357	46,277	13.8

TKR=Total knee replacement; QALY=quality-adjusted life-years; 95% CI=95% confidence interval
Base-case=QALY adjusted for age, sex and baseline value
Scenario 1=unadjusted; Scenario 2=unadjusted and without imputation of missing values

Supp. figure 1. Cost-effectiveness plane showing the uncertainty around the ICER (excl. deaths).