

Supplementary data

Table 1. Combined inclusion and exclusion criteria for the ICON and SPARK studies

<p>Inclusion criteria</p> <ul style="list-style-type: none"> • Elective primary KA surgery of any type from September 1, 2016 to January 1, 2018 • > 18 years old <p>Exclusion criteria</p> <p>Patient-specific conditions</p> <ul style="list-style-type: none"> • Hemophilia • Dementia • Language barriers with no possibility of translation by relatives • Patients without an email address ^a • Iodine allergy ^b • Any antibiotic intake 4 weeks prior to surgery <p>Knee-specific conditions</p> <ul style="list-style-type: none"> • Previous open knee surgery • Previous septic arthritis in the knee joint • Knee prosthesis due to malignant tumor • Severe developmental deformities of the knee <p>^a This was only the case for the first two-thirds of the inclusion period. In the last third of the inclusion period, patients without an email address were included as well, and questionnaires were sent by letter.</p> <p>^b Patient reported.</p>

Table 5. Univariable analysis: measures of change in Forgotten Joint Score for contaminated vs. non-contaminated patients. Values are number of patients and absolute score (95% confidence interval)

	3 months		6 months		12 months	
Non-contaminated	563	43.6 (41.4–45.7)	544	53.6 (51.3–55.8)	568	60.1 (57.9–62.4)
Contaminated	71	42.5 (36.6–48.3)	66	50.9 (44.8–57.1)	77	57.1 (51.4–62.8)
p-value	0.7		0.5		0.4	

Table 6. Univariable analysis: measures of change in EQ-5D-5L and EQ-VAS for contaminated vs. non-contaminated patients. Values are number of patients and absolute improvement from baseline (95% confidence interval)

	1.5 months		3 months		6 months		12 months	
EQ-5D-5L index value								
Non-contaminated	514	0.1 (0.1–0.1)	566	0.2 (0.2–0.2)	559	0.2 (0.2–0.2)	579	0.2 (0.2–0.2)
Contaminated	61	0.1 (0.07–0.1)	72	0.2 (0.1–0.2)	68	0.2 (0.2–0.2)	77	0.2 (0.2–0.3)
p-value	0.7		0.5		0.9		1.0	
EQ-VAS								
Non-contaminated	512	9.8 (8.0–11.7)	564	14.0 (12.2–15.8)	559	15.6 (13.8–17.3)	578	15.6 (13.8–17.4)
Contaminated	62	10.9 (5.7–16.1)	72	14.5 (9.8–19.2)	68	15.0 (10.0–20.0)	78	17.5 (12.5–22.5)
p-value	0.7		0.9		0.8		0.5	