

Supplemental Table 1 Sensitivity analysis: HOOS and SF-36 baseline and follow-up scores according to a Last Observation Carried Forward (LOCF) protocol

	Baseline (n=471)	6 weeks (n=490)	3 months (n=498)	6 months (n=498)	1 year (n=500)	2 years (n=500)
<i>HOOS</i>						
<i>Symptoms, mean (SD)</i>	42.1 (18.1)	64.8 (22.0)	71.3 (21.3)	75.8 (21.4)	79.0 (21.2)	80.4 (21.1)
<i>Pain, mean (SD)</i>	42.5 (16.5)	69.8 (22.3)	77.9 (21.2)	81.5 (20.5)	83.9 (20.1)	84.8 (19.9)
<i>ADL, mean (SD)</i>	42.6 (17.5)	67.4 (22.4)	75.1 (22.2)	79.4 (21.4)	82.1 (21.5)	83.8 (20.8)
<i>Sports and recreation, mean (SD)</i>	24.3 (19.6)	44.2 (27.8)	58.3 (28.6)	64.6 (28.5)	69.1 (28.9)	70.3 (29.0)
<i>Quality of life, mean (SD)</i>	25.9 (15.7)	48.2 (23.3)	60.2 (26.0)	66.5 (26.0)	70.6 (26.4)	72.8 (25.9)
<i>SF-36</i>						
<i>Physical functioning, mean (SD)</i>	35.6 (18.6)	52.6 (23.6)	63.4 (25.2)	68.7 (25.6)	71.3 (26.1)	72.8 (25.8)
<i>Role physical, mean (SD)</i>	23.3 (35.7)	27.6 (35.6)	48.3 (43.2)	61.5 (43.4)	68.4 (42.1)	68.5 (41.7)
<i>Bodily pain, mean (SD)</i>	35.7 (17.2)	51.1 (23.0)	64.2 (25.0)	69.8 (24.5)	73.0 (25.4)	73.3 (25.9)
<i>Social functioning, mean (SD)</i>	61.0 (26.0)	66.2 (26.2)	75.9 (25.6)	80.3 (23.9)	82.3 (23.8)	82.2 (23.8)
<i>Mental health, mean (SD)</i>	73.4 (17.8)	77.9 (17.7)	79.7 (17.4)	80.3 (16.7)	80.9 (16.1)	80.4 (15.9)
<i>Role emotional, mean (SD)</i>	63.3 (43.7)	65.0 (42.9)	72.2 (41.3)	78.8 (37.9)	81.8 (35.4)	82.2 (35.2)
<i>Vitality, mean (SD)</i>	57.3 (19.9)	63.0 (19.5)	66.4 (19.6)	68.1 (19.3)	69.1 (19.1)	68.8 (18.9)

General health perceptions, mean (SD)	66.6 (18.5)	71.3 (18.8)	71.3 (19.2)	70.3 (19.4)	70.4 (20.0)	70.4 (20.0)
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HOOS: Hip disability and Osteoarthritis Outcome Score, SF-36: 36-item Short Form survey, ADL: Activities in Daily Living.

Supplemental Table 2 Sensitivity analysis; Yearly change of the PROMs (£) during the first and second postoperative year according to a LOCF protocol

	First year		Second year	
	£(95%CI)*	P value	£(95%CI)*	P value
<i>HOOS</i>				
Symptoms	24.8 (22.4; 27.2)	<0.001	1.0 (-0.2; 1.9)	0.02
Pain	26.8 (24.3; 29.3)	<0.001	0.8 (0.0; 1.5)	0.05
ADL	26.0 (23.5; 28.5)	<0.001	1.3 (0.5; 1.3)	<0.01
Sports and Recreation	31.7 (28.6; 34.7)	<0.001	1.0 (0.2; 2.2)	0.09
Quality of life	30.1 (27.4; 32.8)	<0.001	2.0 (0.9; 3.0)	<0.001
<i>SF-36</i>				
Physical functioning	24.2 (21.6; 26.9)	<0.001	0.1 (-1.1; 1.3)	0.89
Role physical	37.6 (33.0; 42.1)	<0.001	-0.5 (-2.9; 1.8)	0.65

Bodily pain	25.9	(23.3; 28.6)	<0.001	-0.2 (-1.5; 1.1)	0.72
Social functioning	15.2	(12.5; 17.9)	<0.001	-0.5 (-1.7; 0.7)	0.45
Mental health	4.2	(2.6; 5.7)	<0.001	-0.4 (-1.1; 0.4)	0.33
Role emotional	15.0	(10.7; 19.3)	<0.001	-0.1 (-2.2; 1.9)	0.89
Vitality	7.3	(5.4; 9.1)	<0.001	-0.4 (-1.3; 0.4)	0.34
General health perceptions	1.7	(-0.1; 3.4)	0.06	0.0 (-0.9; 0.8)	0.92

*Mixed model analysis.

HOOS: Hip disability and Osteoarthritis Outcome Score, SF-36: 36-item Short Form survey, ADL: Activities in Daily Living.