

**TABLE 47** Follow-up at the time point equivalent to 3 months after surgery: health status

Health status measure	Randomised participants				Preference participants			
	Surgical		Medical		Surgical		Medical	
	ITT	PP	ITT	PP	ITT	PP	ITT	PP
Number randomised/ allocated	178	111	179	169	261	218	192	189
Number of responders	149	97	157	141	229	186	182	168
REFLUX QoL, mean (SD) <sup>a</sup>	83.9 (19.4)	85.9 (19.0)	70.6 (24.6)	70.8 (24.4)	80.4 (21.6)	82.5 (20.3)	80.2 (18.2)	80.6 (17.7)
REFLUX symptom score, mean (SD) <sup>a</sup>								
General discomfort symptom score	84.8 (17.3)	89.4 (14.0)	66.9 (26.2)	66.5 (26.0)	84.1 (19.6)	87.2 (16.6)	75.7 (19.6)	76.0 (19.5)
Wind and frequency symptom score	58.1 (19.7)	55.9 (19.7)	53.7 (22.6)	54.4 (22.5)	52.2 (21.1)	52.6 (20.7)	60.7 (22.2)	60.9 (22.3)
Nausea and vomiting symptom score	91.5 (15.7)	93.1 (15.7)	82.1 (20.7)	82.3 (20.2)	90.2 (15.2)	91.6 (13.7)	89.5 (12.9)	90.0 (11.9)
Activity limitation symptom score	88.2 (17.0)	89.9 (16.7)	81.6 (19.6)	81.9 (19.0)	88.4 (18.0)	89.7 (17.5)	87.9 (13.2)	88.0 (13.3)
Constipation and swallowing symptom score	79.2 (20.0)	78.7 (20.7)	75.8 (20.9)	77.0 (19.8)	77.1 (21.2)	76.9 (21.3)	84.2 (16.9)	84.6 (16.5)
SF-36 scores, mean (SD) <sup>a</sup>								
Norm-based physical functioning	49.2 (10.0)	49.3 (10.4)	46.5 (11.5)	46.6 (11.6)	49.9 (9.7)	50.4 (9.4)	47.6 (10.3)	47.5 (10.4)
Norm-based role physical	47.7 (11.8)	47.4 (12.1)	44.8 (12.1)	45.0 (12.1)	48.1 (11.3)	48.7 (10.7)	47.1 (10.4)	47.1 (10.4)
Norm-based bodily pain	48.5 (10.3)	48.8 (10.8)	45.3 (11.4)	45.3 (11.3)	48.4 (11.3)	49.0 (11.2)	46.5 (10.2)	46.5 (10.3)
Norm-based general health	46.3 (11.0)	47.4 (11.0)	40.7 (11.2)	40.7 (11.2)	47.2 (11.3)	48.2 (11.1)	42.5 (10.5)	42.6 (10.4)
Norm-based vitality	47.1 (11.9)	48.0 (12.1)	43.9 (12.4)	44.3 (12.2)	48.0 (11.9)	48.4 (11.9)	44.7 (11.4)	44.8 (11.4)
Norm-based social functioning	47.2 (11.5)	47.5 (12.1)	43.6 (12.7)	43.8 (12.6)	46.8 (12.3)	47.6 (12.0)	46.9 (10.5)	46.9 (10.5)
Norm-based role emotional	48.3 (12.3)	48.4 (12.5)	43.9 (14.2)	44.1 (14.2)	47.0 (12.6)	48.9 (11.7)	47.0 (11.4)	46.9 (11.4)
Norm-based mental health	48.7 (12.0)	49.7 (11.9)	44.5 (12.2)	44.7 (11.9)	48.3 (12.2)	49.2 (11.8)	47.1 (10.6)	47.1 (10.7)
EQ-5D, mean (SD) <sup>a</sup>	0.788 (0.233)	0.806 (0.239)	0.689 (0.301)	0.696 (0.299)	0.806 (0.245)	0.817 (0.240)	0.763 (0.231)	0.765 (0.229)

<sup>a</sup> Mean (SD) based on responders completing relevant section of the questionnaire.

**TABLE 48** Follow-up at the time point equivalent to 12 months after surgery: health status

Health status measure	Randomised participants				Preference participants			
	Surgical		Medical		Surgical		Medical	
	ITT	PP	ITT	PP	ITT	PP	ITT	PP
Number randomised/allocated	178	111	179	169	261	218	192	189
Number of responders	154	98	165	149	232	192	181	169
REFLUX QoL, mean (SD) <sup>a</sup>	84.6 (17.9)	88.3 (15.6)	73.4 (23.3)	73.1 (23.7)	83.3 (20.7)	86.0 (17.9)	79.2 (19.2)	79.4 (19.0)
REFLUX symptom score, mean (SD) <sup>a</sup>								
General discomfort symptom score	84.7 (17.5)	90.2 (14.0)	67.4 (25.8)	66.7 (25.8)	85.0 (19.4)	87.7 (16.5)	73.9 (20.7)	74.0 (20.8)
Wind and frequency symptom score	56.7 (21.0)	56.9 (21.7)	52.6 (23.3)	52.7 (23.5)	56.9 (22.5)	57.5 (22.1)	61.4 (21.9)	61.5 (22.0)
Nausea and vomiting symptom score	91.9 (14.4)	94.7 (11.8)	84.0 (18.6)	83.3 (18.8)	91.1 (16.5)	93.3 (13.8)	88.6 (15.4)	88.9 (14.4)
Activity limitation symptom score	90.7 (12.8)	93.3 (11.5)	82.2 (19.2)	81.6 (19.4)	90.8 (16.8)	92.4 (14.8)	87.3 (14.7)	87.4 (14.8)
Constipation and swallowing symptom score	79.3 (19.1)	80.2 (19.6)	74.5 (22.8)	75.2 (22.3)	78.5 (20.2)	79.1 (19.7)	83.6 (17.6)	83.8 (17.4)
SF-36 scores, mean (SD) <sup>a</sup>								
Norm-based physical functioning	48.9 (10.3)	49.6 (10.3)	47.2 (11.0)	47.2 (10.9)	49.7 (10.8)	50.3 (10.5)	47.4 (10.5)	47.4 (10.6)
Norm-based role physical	46.7 (11.4)	47.4 (11.3)	45.8 (11.8)	46.0 (11.7)	49.0 (11.2)	49.6 (10.5)	46.8 (10.7)	46.8 (10.7)
Norm-based bodily pain	47.7 (10.4)	48.5 (10.7)	44.5 (10.9)	44.5 (10.9)	49.1 (11.3)	49.9 (11.1)	47.4 (9.9)	47.4 (10.0)
Norm-based general health	45.2 (11.1)	46.2 (11.8)	40.7 (11.2)	40.5 (11.1)	46.4 (10.8)	47.2 (10.6)	42.3 (10.1)	42.3 (10.1)
Norm-based vitality	46.9 (11.5)	47.6 (11.6)	44.2 (11.9)	44.4 (11.7)	47.3 (12.0)	48.0 (11.7)	45.1 (10.3)	45.2 (10.3)
Norm-based social functioning	46.9 (11.6)	47.8 (11.7)	45.2 (12.2)	45.4 (12.1)	46.9 (12.5)	47.8 (12.1)	46.6 (10.6)	46.6 (10.6)
Norm-based role emotional	46.4 (13.5)	47.2 (12.9)	44.2 (14.4)	44.4 (14.2)	47.3 (13.3)	48.1 (12.7)	46.2 (12.0)	46.1 (12.0)
Norm-based mental health	47.2 (11.7)	48.5 (11.6)	46.4 (12.1)	46.5 (12.2)	46.9 (12.0)	47.4 (12.0)	46.5 (10.9)	46.6 (10.9)
EQ-5D, mean (SD) <sup>a</sup>	0.754 (0.247)	0.777 (0.232)	0.709 (0.272)	0.710 (0.270)	0.791 (0.263)	0.803 (0.252)	0.741 (0.240)	0.743 (0.238)

<sup>a</sup> Mean (SD) based on responders completing relevant section of the questionnaire.

**TABLE 49** Follow-up at the time point equivalent to 2 years after surgery: health status

Health status measure	Randomised participants				Preference participants			
	Surgical		Medical		Surgical		Medical	
	ITT	PP	ITT	PP	ITT	PP	ITT	PP
Number randomised/allocated	178	111	179	169	261	218	192	189
Number of responders	128	86	142	136	203	182	156	153
REFLUX QoL, mean (SD) <sup>a</sup>	85.5 (17.3)	89.2 (15.1)	76.9 (22.8)	77.0 (22.9)	85.3 (19.0)	87.1 (17.5)	80.4 (19.1)	80.5 (19.1)
REFLUX symptom score, mean (SD) <sup>a</sup>								
General discomfort symptom score	83.1 (18.5)	88.2 (15.0)	71.8 (25.4)	71.5 (25.4)	85.7 (19.9)	88.2 (17.1)	75.2 (19.5)	75.1 (19.6)
Wind and frequency symptom score	57.1 (20.0)	57.1 (20.0)	54.9 (24.1)	55.4 (24.4)	56.1 (23.2)	56.9 (22.5)	61.1 (21.6)	61.3 (21.5)
Nausea and vomiting symptom score	92.4 (13.1)	94.3 (11.6)	86.3 (18.1)	86.3 (18.4)	91.9 (14.6)	93.0 (13.1)	89.3 (14.0)	89.5 (13.4)
Activity limitation symptom score	91.2 (12.1)	93.7 (10.5)	83.3 (20.6)	83.6 (20.2)	92.4 (14.7)	93.3 (13.5)	86.8 (15.6)	86.9 (15.6)
Constipation and swallowing symptom score	80.5 (19.5)	81.3 (20.2)	77.6 (22.5)	77.5 (22.9)	80.1 (21.0)	80.7 (20.7)	81.5 (17.6)	81.6 (17.7)
SF-36 scores, mean (SD) <sup>a</sup>								
Norm-based physical functioning	48.4 (9.8)	48.9 (9.7)	46.7 (11.3)	47.0 (11.0)	49.0 (11.0)	49.6 (10.2)	46.2 (11.7)	46.2 (11.7)
Norm-based role physical	48.6 (10.6)	49.2 (10.0)	45.8 (12.2)	46.0 (12.0)	49.3 (10.8)	49.9 (10.1)	46.1 (11.1)	45.9 (11.2)
Norm-based bodily pain	47.6 (9.3)	48.1 (8.8)	44.8 (10.7)	45.1 (10.6)	47.7 (10.0)	48.2 (9.6)	45.7 (9.1)	45.9 (9.1)
Norm-based general health	44.6 (11.1)	45.2 (11.9)	41.3 (11.4)	41.3 (11.3)	46.5 (10.7)	46.9 (10.4)	41.6 (10.4)	41.7 (10.3)
Norm-based vitality	46.6 (10.7)	46.9 (10.9)	43.4 (11.6)	43.4 (11.3)	47.1 (11.6)	47.5 (11.4)	44.4 (10.6)	44.4 (10.5)
Norm-based social functioning	47.4 (11.4)	48.1 (11.2)	45.3 (12.0)	45.5 (11.7)	47.7 (12.1)	48.1 (11.8)	46.2 (11.6)	46.2 (11.6)
Norm-based role emotional	48.4 (11.8)	49.0 (11.6)	45.5 (14.1)	45.8 (13.8)	48.9 (11.8)	49.8 (10.7)	45.5 (12.4)	45.3 (12.4)
Norm-based mental health	47.9 (11.5)	47.9 (12.0)	45.6 (11.7)	45.9 (11.6)	48.0 (12.0)	48.8 (11.5)	45.6 (10.8)	45.5 (10.8)
EQ-5D, mean (SD) <sup>a</sup>	0.762 (0.272)	0.790 (0.244)	0.717 (0.313)	0.721 (0.308)	0.796 (0.257)	0.816 (0.233)	0.736 (0.235)	0.735 (0.237)

<sup>a</sup> Mean (SD) based on responders completing relevant section of the questionnaire.

**TABLE 50** Follow-up at the time point equivalent to 3 years after surgery: health status

Health status measure	Randomised participants				Preference participants			
	Surgical		Medical		Surgical		Medical	
	ITT	PP	ITT	PP	ITT	PP	ITT	PP
Number randomised/allocated	178	111	179	169	261	218	192	189
Number of responders	132	92	134	133	196	175	159	156
REFLUX QoL, mean (SD) <sup>a</sup>	87.0 (15.0)	88.0 (15.3)	79.9 (20.1)	79.7 (20.1)	85.6 (18.2)	87.3 (17.2)	81.9 (16.4)	81.9 (16.5)
REFLUX symptom score, mean (SD) <sup>a</sup>								
General discomfort symptom score	85.4 (17.4)	88.4 (17.1)	74.8 (23.1)	74.6 (23.1)	85.7 (19.6)	87.3 (18.6)	77.4 (18.7)	77.2 (18.7)
Wind and frequency symptom score	59.5 (22.9)	57.9 (23.6)	56.1 (25.5)	55.8 (25.4)	55.3 (22.5)	55.9 (22.4)	62.0 (22.8)	62.1 (22.7)
Nausea and vomiting symptom score	94.0 (10.2)	95.4 (9.0)	89.2 (16.2)	89.1 (16.2)	92.1 (14.8)	93.0 (14.3)	90.3 (13.4)	90.4 (13.3)
Activity limitation symptom score	91.6 (13.2)	93.0 (13.3)	87.6 (16.7)	87.5 (16.7)	92.7 (12.1)	93.6 (11.6)	88.9 (12.9)	88.9 (13.0)
Constipation and swallowing symptom score	82.1 (16.8)	81.1 (17.0)	79.6 (20.1)	79.4 (20.1)	78.4 (21.7)	78.7 (21.4)	83.1 (17.4)	83.3 (17.4)
SF-36 scores, mean (SD) <sup>a</sup>								
Norm-based physical functioning	49.1 (10.2)	49.8 (9.9)	47.8 (11.3)	47.8 (11.3)	49.3 (10.6)	49.6 (10.4)	46.9 (11.2)	46.9 (11.3)
Norm-based role physical	48.1 (10.9)	48.1 (11.1)	47.0 (11.4)	46.9 (11.4)	48.5 (11.3)	48.9 (10.9)	46.7 (11.4)	46.5 (11.4)
Norm-based bodily pain	47.4 (9.7)	46.3 (9.8)	46.3 (10.3)	46.3 (10.3)	48.1 (10.2)	48.6 (10.0)	46.4 (9.1)	46.3 (9.1)
Norm-based general health	45.3 (10.0)	45.8 (10.1)	42.4 (11.8)	42.3 (11.8)	46.2 (11.2)	46.6 (11.1)	41.8 (10.2)	41.8 (10.2)
Norm-based vitality	46.0 (11.5)	46.8 (11.2)	44.7 (12.7)	44.6 (12.7)	47.1 (11.7)	47.7 (11.6)	44.5 (10.3)	44.5 (10.3)
Norm-based social functioning	48.5 (10.4)	48.7 (10.6)	46.2 (11.9)	46.1 (11.9)	47.6 (12.4)	47.9 (12.3)	47.0 (11.3)	46.9 (11.3)
Norm-based role emotional	49.6 (9.9)	49.2 (10.4)	45.9 (13.3)	45.8 (13.4)	48.0 (12.9)	48.2 (12.8)	47.0 (11.8)	46.8 (11.8)
Norm-based mental health	49.5 (10.8)	49.7 (11.0)	46.1 (12.0)	46.0 (12.0)	47.9 (12.0)	48.4 (11.8)	46.6 (10.6)	46.5 (10.6)
EQ-5D, mean (SD) <sup>a</sup>	0.803 (0.231)	0.790 (0.252)	0.747 (0.262)	0.745 (0.262)	0.803 (0.249)	0.805 (0.251)	0.763 (0.231)	0.761 (0.232)

<sup>a</sup> Mean (SD) based on responders completing relevant section of the questionnaire.

**TABLE 51** Follow-up at the time point equivalent to 4 years after surgery: health status

Health status measure	Randomised participants				Preference participants			
	Surgical		Medical		Surgical		Medical	
	ITT	PP	ITT	PP	ITT	PP	ITT	PP
Number randomised/allocated	178	111	179	169	261	218	192	189
Number of responders	126	88	129	127	168	152	142	139
REFLUX QoL, mean (SD) <sup>a</sup>	85.2 (18.2)	87.7 (17.7)	81.1 (20.7)	81.9 (19.4)	86.2 (16.8)	86.9 (16.3)	83.7 (17.2)	83.7 (17.2)
REFLUX symptom score, mean (SD) <sup>a</sup>								
General discomfort symptom score	83.1 (20.8)	87.0 (20.2)	77.4 (21.9)	77.5 (21.8)	85.7 (19.4)	87.5 (17.4)	79.2 (19.7)	79.0 (19.8)
Wind and frequency symptom score	58.1 (22.1)	57.0 (23.1)	53.6 (23.9)	53.2 (23.7)	55.3 (23.0)	55.7 (22.8)	62.4 (23.4)	62.5 (23.5)
Nausea and vomiting symptom score	91.0 (16.7)	93.6 (14.9)	89.2 (16.4)	89.4 (16.1)	92.9 (12.7)	94.0 (11.3)	91.4 (11.7)	91.6 (11.4)
Activity limitation symptom score	91.8 (13.1)	93.6 (12.4)	87.5 (17.2)	88.1 (15.3)	92.1 (13.7)	92.9 (12.6)	90.4 (12.9)	90.4 (12.9)
Constipation and swallowing symptom score	80.4 (19.4)	79.7 (20.0)	79.6 (20.9)	79.8 (20.6)	79.0 (21.9)	79.5 (20.9)	82.8 (18.1)	82.9 (18.1)
SF-36 scores, mean (SD) <sup>a</sup>								
Norm-based physical functioning	47.9 (10.1)	48.5 (10.4)	47.5 (11.7)	47.7 (11.4)	49.5 (10.6)	50.0 (10.1)	47.2 (10.4)	47.1 (10.5)
Norm-based role physical	47.5 (11.9)	47.1 (12.4)	46.7 (12.2)	46.8 (12.0)	49.4 (10.6)	49.8 (10.2)	47.6 (10.3)	47.5 (10.4)
Norm-based bodily pain	46.1 (10.4)	46.4 (11.0)	46.3 (10.2)	46.4 (10.0)	47.8 (10.1)	48.1 (10.1)	47.9 (9.0)	47.9 (9.0)
Norm-based general health	44.6 (10.4)	45.5 (11.0)	42.2 (11.4)	42.4 (11.2)	46.5 (11.2)	47.0 (10.9)	42.2 (11.4)	42.1 (11.5)
Norm-based vitality	44.8 (10.7)	44.8 (10.9)	45.6 (11.7)	45.6 (11.4)	47.4 (11.6)	48.1 (11.5)	45.1 (11.0)	45.1 (11.0)
Norm-based social functioning	45.6 (12.7)	45.8 (12.9)	46.1 (11.9)	46.3 (11.6)	48.3 (11.1)	48.9 (10.6)	46.7 (11.3)	46.8 (11.4)
Norm-based role emotional	48.1 (12.4)	48.7 (12.4)	46.5 (14.1)	46.7 (13.8)	48.9 (11.7)	49.4 (11.3)	47.2 (11.5)	47.3 (11.5)
Norm-based mental health	47.5 (11.8)	49.1 (11.2)	47.0 (12.0)	47.2 (11.6)	48.7 (11.5)	49.1 (11.3)	47.3 (11.2)	47.4 (11.2)
EQ-5D, mean (SD) <sup>a</sup>	0.771 (0.244)	0.778 (0.264)	0.754 (0.272)	0.760 (0.258)	0.806 (0.254)	0.825 (0.229)	0.773 (0.213)	0.773 (0.215)

<sup>a</sup> Mean (SD) based on responders completing relevant section of the questionnaire.

**TABLE 52** Follow-up at the time point equivalent to 5 years after surgery: health status

Health status measure	Randomised participants				Preference participants			
	Surgical		Medical		Surgical		Medical	
	ITT	PP	ITT	PP	ITT	PP	ITT	PP
Number randomised/allocated	178	111	179	169	261	218	192	189
Number of responders	127	90	119	116	176	158	136	133
REFLUX QoL, mean (SD) <sup>a</sup>	86.7 (13.8)	89.8 (11.7)	80.7 (20.3)	80.6 (20.4)	85.3 (17.3)	86.2 (17.1)	84.8 (15.2)	85.0 (15.3)
REFLUX symptom score, mean (SD) <sup>a</sup>								
General discomfort symptom score	85.0 (17.5)	89.6 (14.2)	75.3 (22.6)	75.0 (22.7)	85.7 (19.0)	86.7 (18.6)	78.8 (19.2)	78.8 (19.3)
Wind and frequency symptom score	58.8 (21.8)	58.7 (22.5)	56.4 (22.7)	55.8 (22.5)	54.0 (23.5)	53.9 (23.3)	65.3 (22.2)	65.7 (22.0)
Nausea and vomiting symptom score	92.5 (12.7)	94.9 (10.1)	89.6 (15.1)	89.9 (14.5)	93.2 (11.8)	93.8 (10.8)	92.1 (11.3)	92.4 (10.9)
Activity limitation symptom score	93.2 (11.4)	95.3 (9.5)	87.7 (18.5)	88.3 (16.6)	92.6 (13.6)	93.4 (13.2)	91.2 (11.9)	91.3 (11.9)
Constipation and swallowing symptom score	81.2 (18.7)	81.0 (18.9)	78.3 (20.4)	78.8 (19.8)	80.3 (19.9)	80.5 (19.8)	84.3 (17.9)	84.5 (18.0)
SF-36 scores, mean (SD) <sup>a</sup>								
Norm-based physical functioning	48.4 (9.6)	48.3 (9.9)	48.2 (11.1)	48.4 (11.0)	49.3 (10.6)	49.8 (10.2)	47.0 (12.0)	46.9 (12.1)
Norm-based role physical	47.3 (11.9)	47.3 (12.4)	47.7 (11.8)	47.9 (11.6)	49.7 (10.1)	50.1 (9.9)	47.9 (10.0)	47.8 (10.0)
Norm-based bodily pain	46.3 (10.3)	47.3 (11.1)	46.2 (10.9)	46.6 (10.7)	47.9 (10.5)	48.0 (10.5)	48.0 (8.8)	47.9 (8.9)
Norm-based general health	44.1 (10.3)	44.9 (10.6)	43.2 (11.5)	43.4 (11.4)	47.0 (10.8)	47.2 (10.6)	43.3 (9.2)	43.2 (9.3)
Norm-based vitality	45.3 (11.2)	46.0 (11.5)	46.4 (12.0)	46.5 (12.0)	47.7 (11.9)	47.8 (11.9)	45.2 (10.9)	45.2 (11.0)
Norm-based social functioning	47.4 (11.7)	48.0 (12.1)	47.0 (12.0)	47.3 (11.7)	48.4 (11.4)	48.7 (11.3)	48.2 (10.4)	48.1 (10.4)
Norm-based role emotional	48.6 (11.8)	49.0 (11.7)	47.5 (12.6)	47.7 (12.2)	49.8 (10.0)	50.1 (9.7)	48.2 (10.6)	48.1 (10.6)
Norm-based mental health	47.7 (11.9)	48.8 (11.8)	48.9 (11.5)	49.2 (11.2)	49.4 (11.6)	49.4 (11.6)	47.5 (10.3)	47.4 (10.3)
EQ-5D, mean (SD) <sup>a</sup>	0.774 (0.259)	0.777 (0.281)	0.761 (0.282)	0.770 (0.269)	0.800 (0.253)	0.807 (0.249)	0.794 (0.206)	0.793 (0.208)

<sup>a</sup> Mean (SD) based on responders completing relevant section of the questionnaire.