

**Appendix**

TABLE E-1 Patients' Postoperative Perceived SA According to Preoperative Expectations by Age Group and Sex

Preoperative Expectations	Postoperative Perceived Outcome*				
	SA-Expecting Group† (N = 605)			P Value‡	No-SA-Expecting Group† (N = 347)
	Unfulfilled	Fulfilled	Exceeded		Fulfilled
<b>Age</b>					
<b>&lt;60 yr</b>					
SA-Expecting Group					
Total (n = 160)	58 (36.2%)	86 (53.8%)	16 (10.0%)	0.001	
Back to normal (n = 121)	41 (33.9%)	80 (66.1%)	0 (0.0%)		
Large improvement (n = 25)	14 (56.0%)	3 (12.0%)	8 (32.0%)		
Moderate improvement (n = 10)	1 (10.0%)	3 (30.0%)	6 (60.0%)		
Slight improvement (n = 4)	2 (50.0%)	0 (0.0%)	2 (50.0%)		
No-SA-Expecting Group (SA does not apply) (n = 25)‡					10 (40.0%) 15 (60.0%)
<b>60-65 yr</b>					
SA-Expecting Group					
Total (n = 129)	57 (44.2%)	63 (48.8%)	9 (7.0%)	0.346	
Back to normal (n = 101)	41 (40.6%)	60 (59.4%)	0 (0.0%)		
Large improvement (n = 13)	8 (61.5%)	0 (0.0%)	5 (38.5%)		
Moderate improvement (n = 13)	7 (53.8%)	2 (15.4%)	4 (30.8%)		
Slight improvement (n = 2)	1 (50.0%)	1 (50.0%)	0 (0.0%)		
No-SA-Expecting Group (SA does not apply) (n=42)‡					32 (76.2%) 10 (23.8%)
<b>66-70 yr</b>					
SA-Expecting Group					
Total (n = 147)	57 (38.8%)	74 (50.3%)	16 (10.9%)	0.111	
Back to normal (n = 110)	40 (36.4%)	70 (63.6%)	0 (0.0%)		
Large improvement (n = 24)	9 (37.5%)	2 (8.3%)	13 (54.2%)		
Moderate improvement (n = 11)	7 (63.6%)	2 (18.2%)	2 (18.2%)		
Slight improvement (n = 2)	1 (50.0%)	0 (0.0%)	1 (50.0%)		
No-SA-Expecting Group (SA does not apply) (n = 61)‡					48 (78.7%) 13 (21.3%)
<b>71-75 yr</b>					
SA-Expecting Group					
Total (n = 99)	48 (48.5%)	41 (41.4%)	10 (10.1%)	0.200	
Back to normal (n = 72)	34 (47.2%)	38 (52.8%)	0 (0.0%)		
Large improvement (n = 20)	9 (45.0%)	3 (15.0%)	8 (40.0%)		
Moderate improvement (n = 6)	4 (66.7%)	0 (0.0%)	2 (33.3%)		
Slight improvement (n = 1)	1 (100%)	0 (0.0%)	0 (0.0%)		
No-SA-Expecting Group (SA does not apply) (n = 78)‡					63 (80.8%) 15 (19.2%)
<b>&gt;75 yr</b>					
SA-Expecting Group					

Total (n = 70)	43 (61.4%)	25 (35.7%)	2 (2.9%)	0.724		
Back to normal (n = 53)	31 (58.5%)	22 (41.5%)	0 (0.0%)			
Large improvement (n = 5)	4 (80.0%)	1 (20.0%)	0 (0.0%)			
Moderate improvement (n = 4)	2 (50.0%)	2 (50.0%)	0 (0.0%)			
Slight improvement (n = 8)	6 (75.0%)	0 (0.0%)	2 (25.0%)			
No-SA-Expecting Group (SA does not apply) (n = 141)‡					131 (92.9%)	10 (7.1%)
Sex						
Female						
SA-Expecting Group						
Total (n = 348)	170 (48.9%)	148 (42.5%)	30 (8.6%)	0.058		
Back to normal (n = 254)	116 (45.7%)	138 (54.3%)	0 (0.0%)			
Large improvement (n = 56)	32 (57.1%)	5 (8.9%)	19 (33.9%)			
Moderate improvement (n = 32)	17 (53.1%)	5 (15.6%)	10 (31.3%)			
Slight improvement (n = 6)	5 (83.3%)	0 (0.0%)	1 (16.7%)			
No-SA-Expecting Group (SA does not apply) (n=252)‡					226 (89.7%)	26 (10.3%)
Male						
SA-Expecting Group						
Total (n = 257)	93 (36.2%)	141 (54.9%)	23 (8.9%)	0.005		
Back to normal (n = 203)	71 (35.0%)	132 (65.0%)	0 (0.0%)			
Large improvement (n = 31)	12 (38.7%)	4 (12.9%)	15 (48.4%)			
Moderate improvement (n = 12)	4 (33.3%)	4 (33.3%)	4 (33.3%)			
Slight improvement (n = 11)	6 (54.5%)	1 (9.1%)	4 (36.4%)			
No-SA-Expecting Group (SA does not apply) (n = 95)‡					58 (61.1%)	37 (38.9%)

\*The values are given as the number of patients, with the percentage in parentheses. †For the SA-Expecting Group, unfulfilled = lower results ( $\leq 1$  step) than expected preoperatively, fulfilled = achieved SA as expected preoperatively, exceeded = better results ( $\geq 1$  step) than expected preoperatively; for the No-SA-Expecting group, fulfilled = SA not regained postoperatively and exceeded = SA unexpectedly regained postoperatively. ‡P values for ordinal categorical variables calculated with Armitage trend test.

TABLE E-2 Interaction Between Age Groups and Sex for Postoperative Outcomes\*

Preoperative Expectations	Male					Female				
	Postoperative Perceived Outcome					Postoperative Perceived Outcome				
	Total No.	Unfulfilled†	Fulfilled†	Exceeded†	P Value‡	Total No.	Unfulfilled†	Fulfilled†	Exceeded†	P Value‡
<60 yr										
SA-Expecting Group										
Total	65	19 (29.2%)	37 (56.9%)	9 (13.8%)	0.007	95	39 (41.1%)	49 (51.6%)	7 (7.4%)	0.048
Back to normal	49	13 (26.5%)	36 (73.5%)	0 (0.0%)		72	28 (38.9%)	44 (61.1%)	0 (0%)	
Large improvement	10	5 (50.0%)	0 (0%)	5 (50.0%)		15	9 (60.0%)	3 (20.0%)	3 (20.0%)	
Moderate improvement	3	0 (0%)	1 (33.3%)	2 (66.7%)		7	1 (14.3%)	2 (28.6%)	4 (57.1%)	
Slight improvement	3	1 (33.3%)	0 (0%)	2 (66.7%)		1	1 (100%)	0 (0%)	0 (0%)	
No-SA-Expecting Group (SA does not apply)	17		5 (29.4%)	12 (70.6%)		8		5 (62.5%)	3 (37.5%)	
61-65 yr										
SA-Expecting Group										
Total	52	16 (30.8%)	34 (65.4%)	2 (3.8%)	0.218	77	41 (53.2%)	29 (37.7%)	7 (9.1%)	0.495
Back to normal	46	14 (30.4%)	32 (69.6%)	0 (0%)		55	27 (49.1%)	28 (50.9%)	0 (0%)	
Large improvement	2	1 (50.0%)	0 (0%)	1 (50.0%)		11	7 (63.6%)	0 (0%)	4 (36.4%)	
Moderate improvement	3	1 (33.3%)	1 (33.3%)	1 (33.3%)		10	6 (60.0%)	1 (10.0%)	3 (30.0%)	
Slight improvement	1	0 (0%)	1 (100%)	0 (0%)		1	1 (100%)	0 (0%)	0 (0%)	
No-SA-Expecting Group (SA does not apply)	11		5 (45.5%)	6 (54.5%)		31		27 (87.1%)	4 (12.9%)	
66-70 yr										
SA-Expecting Group										
Total	51	16 (31.4%)	29 (56.9%)	6 (11.8%)	0.081	96	41 (42.7%)	45 (46.9%)	10 (10.4%)	0.450
Back to normal	39	12 (30.8%)	27 (69.2%)	0 (0%)		71	28 (39.4%)	43 (60.6%)	0 (0%)	
Large improvement	8	2 (25.0%)	1 (12.5%)	5 (62.5%)		16	7 (43.8%) <sup>1</sup>	1 (6.3%)	8 (50.0%)	
Moderate improvement	3	2 (66.7%)	1 (33.3%)	0 (0%)		8	5 (62.5%)	1 (12.5%)	2 (25.0%)	
Slight improvement	1	0 (0%)	0 (0%)	1 (100%)		1	1 (100%)	0 (0%)	0 (0%)	
No-SA-Expecting Group (SA does not apply)	13		6 (46.2%)	7 (53.8%)		48		42 (87.5%)	6 (12.5%)	
71-75 yr										
SA-Expecting Group										
Total	48	18 (37.5%)	25 (52.1%)	5 (10.4%)	0.164	51	30 (58.8%)	16 (31.4%)	5 (9.8%)	0.472
Back to normal	37	14 (37.8%)	23 (62.2%)	0 (0%)		35	20 (57.1%)	15 (42.9%)	0 (0%)	
Large improvement	9	3 (33.3%)	2 (22.2%)	4 (44.4%)		11	6 (54.5%)	1 (9.1%)	4 (36.4%)	
Moderate improvement	1	0 (0%)	0 (0%)	1 (100%)		5	4 (80.0%)	0 (0%)	1 (20.0%)	
Slight improvement	1	1 (100%)	0 (0%)	0 (0%)		0	0 (0%)	0 (0%)	0 (0%)	
No-SA-Expecting Group (SA does not apply)	18		10 (55.6%)	8 (44.4%)		60		53 (88.3%)	7 (11.7%)	
>75 yr										
SA-Expecting Group										
Total	41	24 (58.5%)	16 (39.0%)	1 (2.4%)	0.592	29	19 (65.5%)	9 (31.0%)	1 (3.4%)	0.524
Back to normal	32	18 (56.3%)	14 (43.8%)	0 (0%)		21	13 (61.9%)	8 (38.1%)	0 (0%)	

Large improvement	2	1 (50.0%)	1 (50.0%)	0 (0%)		3	3 (100%)	0 (0%)	0 (0%)	
Moderate improvement	2	1 (50.0%)	1 (50.0%)	0 (0%)		2	1 (50.0%)	1 (50.0%)	0 (0%)	
Slight improvement	5	4 (80.0%)	0 (0%)	1 (20.0%)		3	2 (66.7%)	0 (0%)	1 (33.3%)	
No-SA-Expecting Group (SA does not apply)	36		32 (88.9%)	4 (11.1%)		105		99 (94.3%)	6 (5.7%)	

\*The values are given as the number of patients, with the percentage in parentheses. †For the SA-Expecting Group, unfulfilled = lower results ( $\leq 1$  step) than expected preoperatively, fulfilled = achieved SA as expected preoperatively, exceeded = better results ( $\geq 1$  step) than expected preoperatively; for the No-SA-Expecting group, fulfilled = SA not regained postoperatively and exceeded = SA unexpectedly regained postoperatively. ‡P values for ordinal categorical variables calculated with Armitage trend test.