Table 6 Quality of life after lung resection: SF-36 or similar tool
Ordered by treatment approach, extent of resection

Approach	1st author, year (reference)	Study type	Accrual years	n	% survey completion	QOL tool	Comments	% Seg/W	% Pn/>L	% VATS	1 mo							3 mo							6 mo							12 mo							24 mo						
											Global	Emotional	Cognitive	Social	Role	Physical	Thor pain [a]	Dyspnea [a]	Global	Emotional	Cognitive	Social	Role	Physical	Thor pain [a]	Dyspnea [a]	Global	Emotional	Cognitive	Social	Role	Physical	Thor pain [a]	Dyspnea [a]	Global	Emotional	Cognitive	Social	Role	Physical	Thor pain [a]	Dyspnea [a]	Global	Emotional	Cognitive	Social	Role	Physical	Thor pain [a]	Dyspnea [a]
SF 36 tool [b]																																												
VATS L	Fevrier 2020 (102)	Prosp	16-19	74	90-71	SF12		0	0	100									= [c]			↓ [d]				= [c]				= [d]						= [c]				= [d]						
	Handy 2010 (103)	Retro	98-07	49	-	SF36		0	0	100																=	↓	=	=	↑↑	=	↑	↑													
	Rizk [e,f] 2014 (104)	Prosp	09-12	132	97-61	SF36, BPI		Some	0	86		= [c]				= [d]				= [c]				= [d]				= [c]				= [d]				= [c]				= [d]						
	Khullar 2017 (105)	Prosp	14-16	127	90	PROMIS		25	9	81		=	=	↓		↓	↑											=	=	=		=	=													
	Anami 2018 (106)	Prosp	-	36	-	SF36		31	0	100	=	↓↓	=	↓↓	↓↓↓	↓	↑↑		=	-	↑	↓	↓	=	↑																					
SL	Fevrier 2020 (102)	Prosp	16-19	127	88-76	SF12		100	0	100									= [c]			= [d]				= [c]				= [d]						= [c]				= [d]						
	Fernando 2015 (107)	Prosp	06-10	212	83-50	SF36	Hi risk	100	0	64									= [c]			= [d]			=												= [c]				= [d]			=
	Schwartz 2016 (108)	Retro [g]	01-14	24	-	SF12		100	0	35																= [c]				= [d]														
Open lobectomy	Rizk [e,f] 2014 (104)	Prosp	09-12	74	96-54	SF36, BPI		Some	0	0		= [c]				↓ [d]				= [c]				= [d]				= [c]				= [d]			↑ [c]				= [d]						
	Schwartz [h] 19 (109)	Prosp	98-14	156	-	SF36 VR12	≥65	17	1	?																									= [c]				= [d]						
	Sarna 2010 (110)	Prosp	-	119	-	SF36		19	5	0		= [c]				= [d]		=		= [c]				= [d]		=		= [c]				= [d]		=												
	Schwartz 2017 (111)	Retro [g]	01-14	85	-	SF12		18	5	5																								=	=	=	=	↓	↓↓	=	=					
	Möller 2012 (112)	Prosp	06-08	166	-	SF36		16	7	5																↓	=	=	=	↓↓↓	↓	↑										↓	↑	↑↑	=	↓	↓	↑
	Möller 2010 (113)	Prosp	06-08	83	91	SF36	≥70	11	7	2																↓	=	=	↓	↓↓↓	↓	↑														
	Pompilli 2009 (114)	Retro [g]	06-08	100	-	SF36		0	0	0								=	=	=	=	=	=	=																					
	Salati 2008 (115)	Prosp	04-08	85	-	SF36	≥70	0	0	0								=	=	=	=	=	=	=																					
	Handy 2010 (103)	Retro [g]	98-07	192	-	SF36		0	0	0																=	↓	=	↓	↓↓	↓↓	=	↑↑													
	Brunelli 2007 (116)	Prosp	04-06	156	-	SF36		0	8	0	=	=	=	=	↓	=	↑↑		=	=	=	=	=	=	=																					
	Möller 2010 (113)	Prosp	06-08	166	81	SF36	<70	22	10	7																=	↑	=	=	↓↓	↓	=														
	Handy 2002 (117)	Retro	-	131	-	SF36		10	12	1																=	=	↓	↓↓	↓	↓	↑↑														

Inclusion criteria (*Tables 6,7*): QOL studies 2000–2021 reporting on ≥20 patients per cohort. Studies without a baseline assessment or using QOL tools without a clinical significance benchmark are excluded. Results are reported relative to baseline (pre-resection). Bold highlights statistically significant difference *vs.* baseline (preoperative); Red font highlights potential weakness, e.g., assessment completion rate <75%, <50 patients.

[a], for symptoms; ↑ indicates worse state (increased pain/dyspnea); ↓ indicates improvement; [b], or similar QOL tool; [c], mental component summary score; [d], physical component summary score; [e], 4 months assessment instead of 3; [f], 8 months assessment instead of 6; [g], prospectively collected database; [h], SEER-MIHOS sample (annual Medicare Outcomes Survey conducted in a representative sample); [i], average of the 2 cohorts; [j], for total group, not necessarily this subset; [k], cohort without recurrence.

Hi risk, patients deemed unfit to tolerate lobectomy by ACOSOG hi risk criteria; Lobe, lobectomy; Pn/>L, pneumonectomy or extended lobectomy (e.g., bilobectomy, + chest wall, sleeve resection); Prosp, prospective; QOL, quality-of-life; RCT, randomized controlled trial; Retro, retrospective; Seg, segmentectomy; SL, sublobar resection; Thor, thoracic; VATS, video-assisted thoracic surgery; W, wedge resection.

For QOL color assessment code see legend for *Table 7*.