Supplementary Materials:

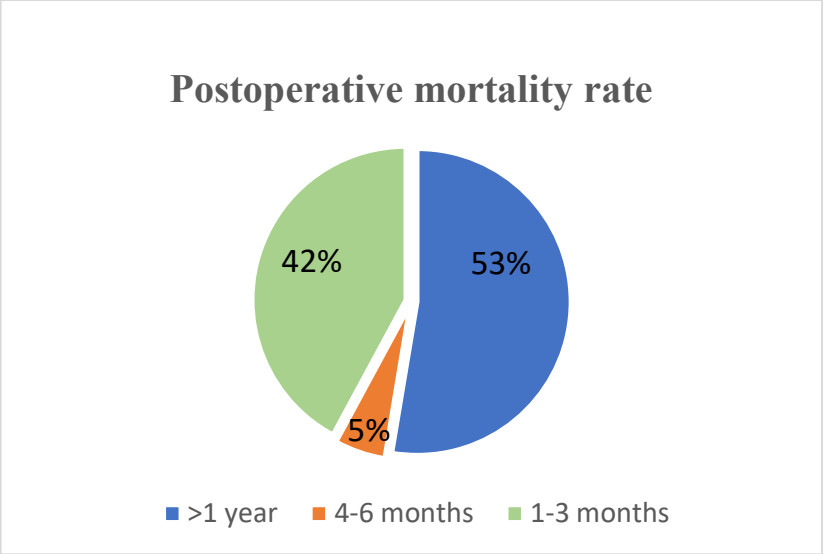


Figure S1. Postoperative mortality rate

Table S1. Correlations of MMSE, GDS, MNA scores, number of medications, number of comorbidities with mortality

Score	Mortality (n=40)		Survival (n=54)		Chi square test Likelihood Ratio
	n	%	n	%	
pre-operative					
MMSE					value=3,78
severe	8	20,0	1	1,9	p=0,001
moderate	17	42,5	9	16,7	
mild	9	22,5	19	35,2	
normal	6	15,0	25	46,3	
GDS					value=3,99
normal	8	20,0	17	31,5	p=0,046
mild	20	50,0	30	55,6	
depressed	12	30,0	7	13,0	
very depressed					
MNA					value=7,72
Risk of malnutrition	10	25,0	3	5,6	p=0,021
	19	47,5	29	53,7	

malnutrition normal	11	27,5	22	40,7	
post-operative					
MMSE severe moderate mild normal	 2 11 7 3	 5,0 27,5 17,5 7,5	 1 6 16 14	 1,9 11,1 29,6 25,9	value=11,08 p=0,026
GDS normal mildly depressed very depressed	 7 12 5	 17,5 30,0 12,5	 12 21 4	 22,2 38,9 7,4	value=1,87 p=0,601

Score	Mortality(n=40)		Survival (n=54)		FANOVA test
	n	%	n	%	p
Nr.of drugs ±SD limits	4 ± 2 0 - 7		3 ± 2 0 - 8		F=2,36 p=0,128
Nr.of comorbidities ±SD limits	6 ± 3 2-13		5 ± 2 1-10		F=2,35 p=0,129

Table S2. Mortality risk associated with preoperative MMSE, GDS, MNA scores in patients with postoperative frailty

Score		Postoperative frailty				Chi2 test p	OR	CI 95%
		Death (n=23)		Survival (n=28)				
		n	%	n	%			
Preoperative MMSE	moderate-severe	13	56.5	6	21.4	0.011	4.77	1.40-10.9
Preoperative MNA	malnutrition	16	69.6	17	60.7	0.515	1.48	0.46-4.76
Preoperative GDS	depression	17	73.9	20	71.4	0.844	1.13	0.33-3.92