

Table 1: Patient characteristics (*n* = 48)

Variables		
Age (y)		67.0 (12.6)
Female sex, <i>n</i> (%)		20 (42%)
Weight (kg)		59.6 (14.9)
Height (cm)		161 (9.1)
BMI (kg/m ²)		22.7 (4.0)
ASA-PS, <i>n</i>		
	1	6
	2	36
	3	6
Surgical procedure, <i>n</i>		
	VATS	25
	RATS	23
Preoperative diagnosis, <i>n</i>		
	Lung cancer	40
	Mediastinal tumor	6
	Others	2
Surgical time (min)		142 (109–225)
Anesthesia time (min)		245 (196–307)
Intraoperative bleeding (mL)		10 (0–20)
Type of block, <i>n</i>		
	PVB	13
	MTPB	18
	ESPB	17
Intraoperative opioid use		
	fentanyl (μg)	200 (100–300)
	remifentanyl (μg/kg/min)	0.15 (0.13–0.18)

Data are presented as mean (SD), median (IQR), or counts (percentage). Intraoperative remifentanyl use is shown as mean dosing rate. ASA-PS, American Society of Anesthesiologists Physical Status; BMI, body mass index; SD, standard deviation; IQR, interquartile range; VATS, video-assisted thoracoscopic surgery; RATS, robotic-assisted thoracic surgery; PVB, paravertebral block; MTPB, midpoint transverse process-to-pleura block; ESPB, erector spinae plane block

Table 2: Postoperative maximum NRS at rest until POD 1 and HFVI

	NRS ≤ 3 (n = 19)	NRS > 3 (n = 29)	Difference 95%CI	p value ^{a,b}	NRS ≤ 7 (n = 43)	NRS > 7 (n = 5)	Difference 95%CI	p value ^{a,b}
Just before extubation								
HFVli	58 (15)	53 (18)	-4.8–15.8	0.287	56 (17)	44 (13)	-3.5–28.4	0.124
HFVIm	62 (11)	61 (12)	-6.8–7.7	0.91	62 (12)	55 (5)	-4.6–17.8	0.24
HFVli at PSi exceeds 70 with awakening from anesthesia								
	58 (13)	53 (17)	-4.5–15.0	0.282	56 (15)	51 (18)	-11.3–21.9	0.525
Mean HFVIm over anesthesia time								
	62 (9)	63 (6)	-5.2–3.6	0.713	62 (8)	65 (4)	-9.7–4.4	0.455
HFVIm change from just before to 5 minutes after the start of nerve block								
	-2 (8)	-1 (15)	-9.6–7.9	0.85	-2 (12)	2 (20)	-17.9–9.4	0.533
HFVIm change from just before to 5 minutes after the start of surgery								
	-9 (11)	-7 (11)	-9.0–5.2	0.596	-8 (11)	-2 (13)	-20.0–6.6	0.312

Data are presented as means (SD).
NRS, Numerical Rating Scale; HFVI, High Frequency Variability Index; SD, standard deviation; CI, confidence interval; PSi, Patient State Index.
^A p value compares NRS ≤ 3 versus > 3, or NRS ≤ 7 versus > 7.
^b t test used to compare means.