



KALC 2022

Korean Association for Lung Cancer International Conference
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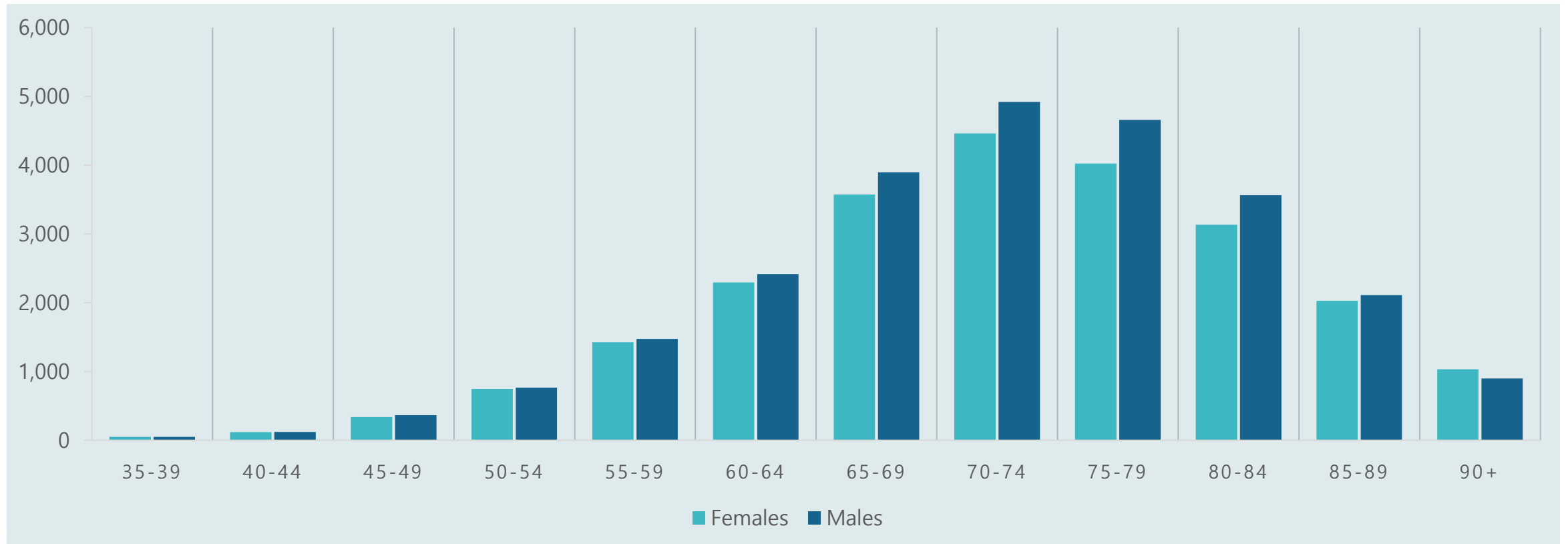
Surgical Treatment of Lung Cancer in Patients Over the Age of 75 Years: Single Cancer Centre Experience

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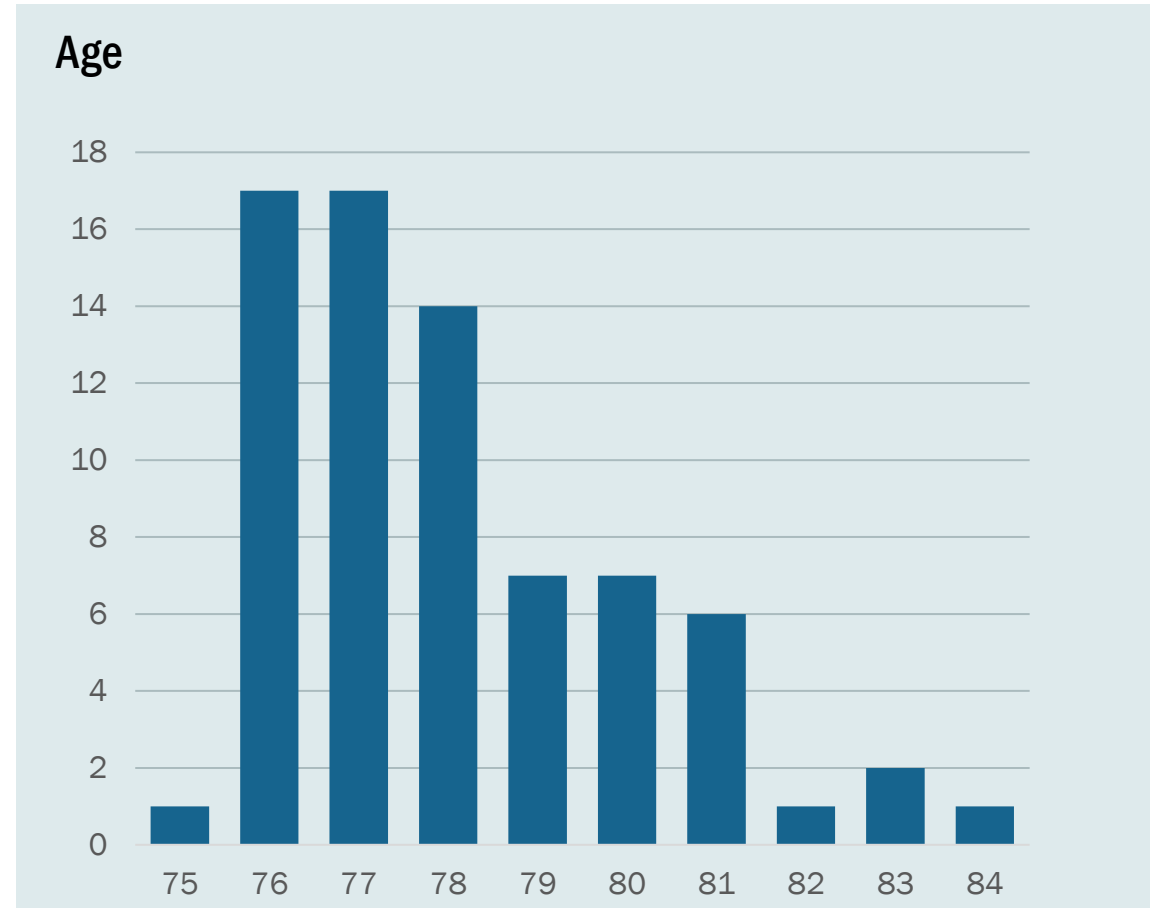
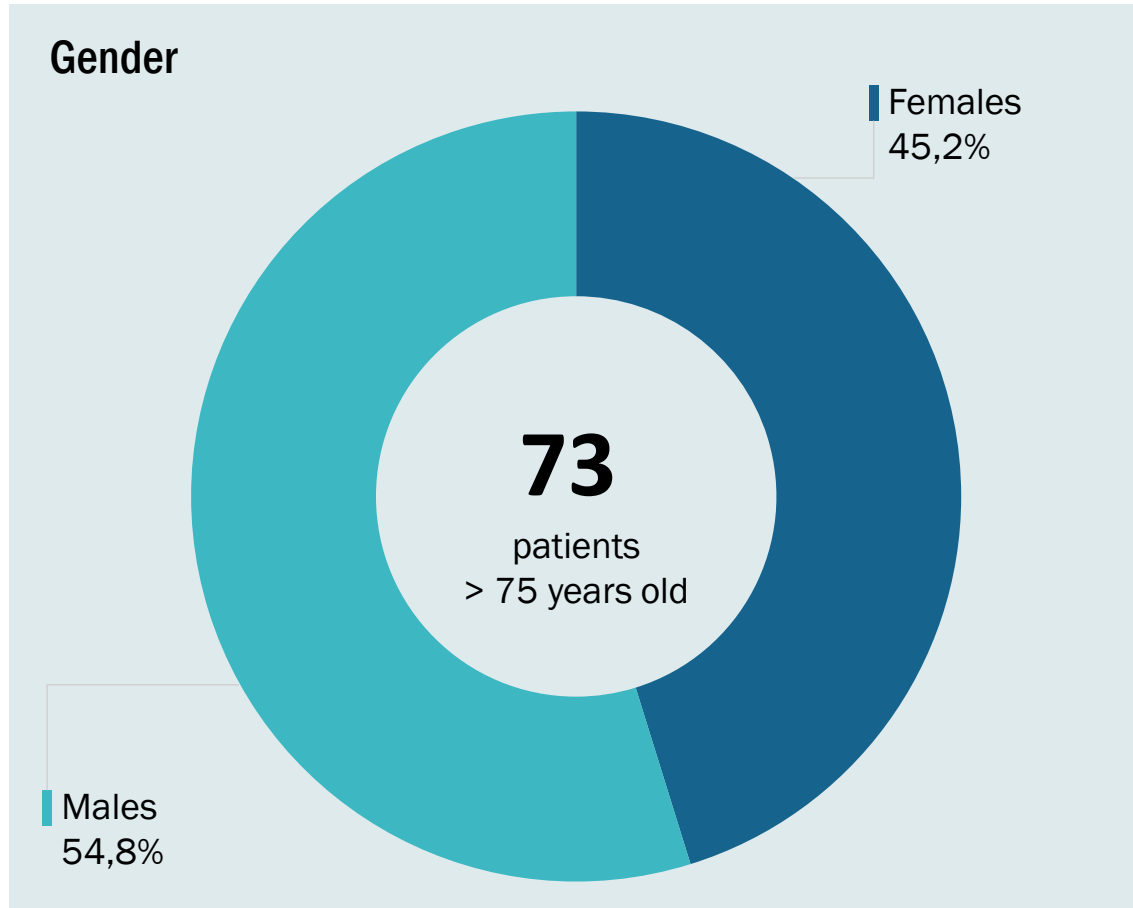
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- Lung cancer is diagnosed 2–3 times more often in patients over 70 years of age and is a leading cause of cancer-specific mortality
- By 2050, around 20% of the population will be over 65 years old
- It is common for elderly patients to be rejected from surgical treatment
- In many cases, major lung resections are actually impossible due to reduced lung and cardiovascular capacity

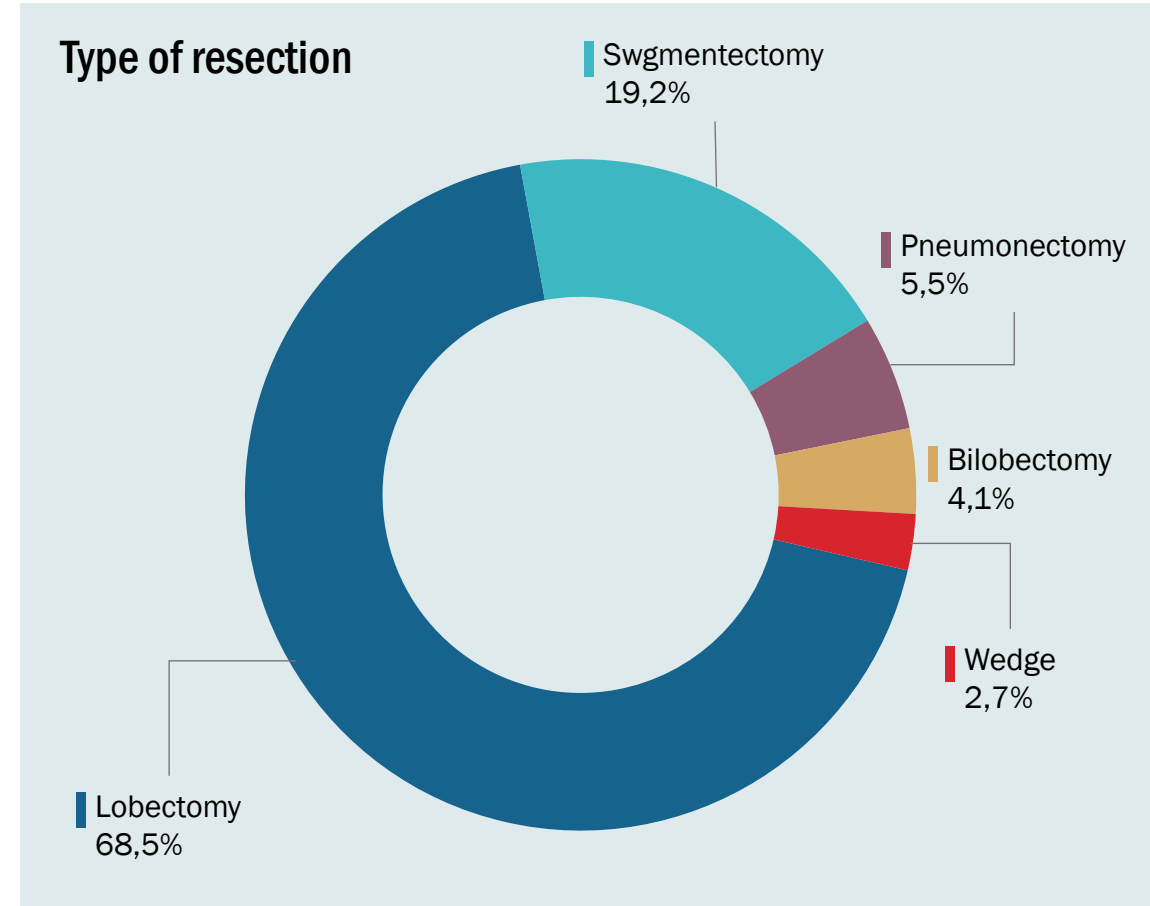
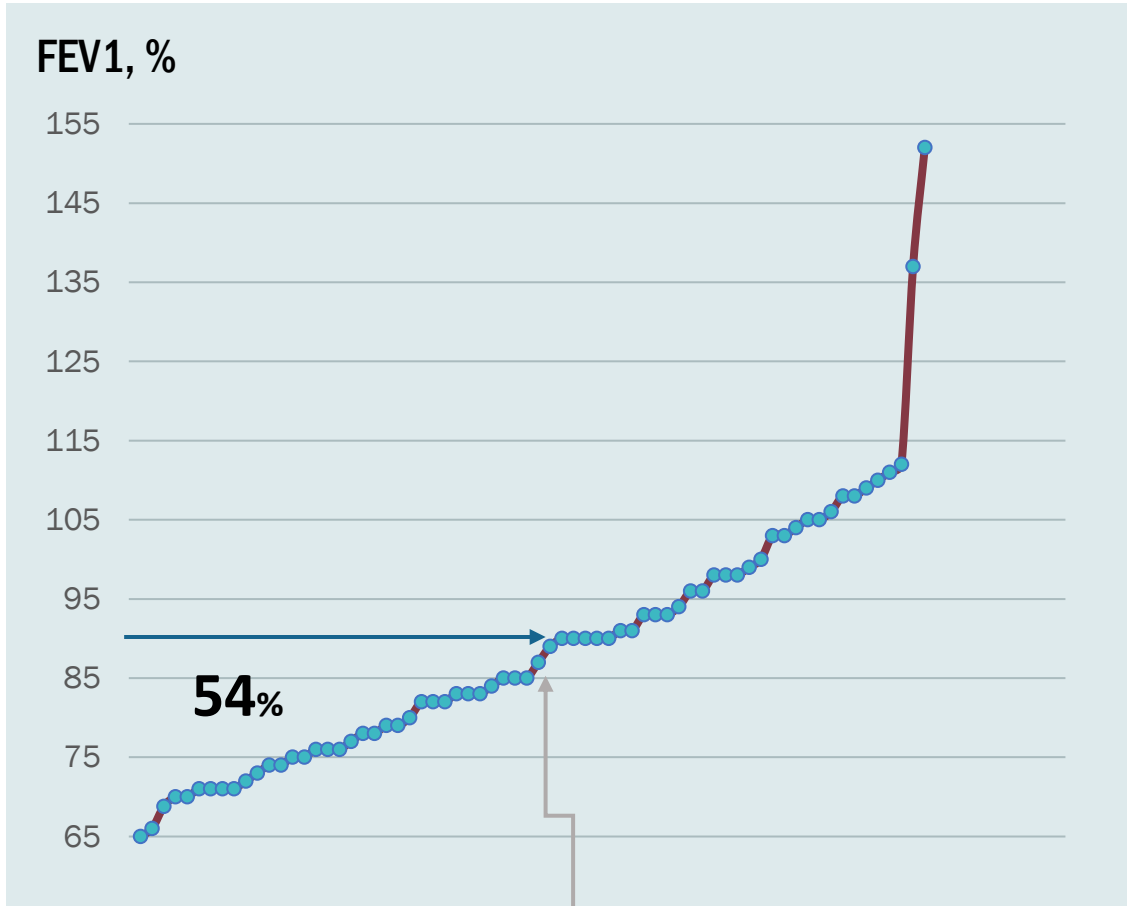


Material and methods



Median = 78 years; Q1-Q3: 77-79

Material and methods



8%
sleeve lobectomy

Material and methods

	n	%
Ia2-IB	37	50,6
IIA	4	5,5
IIB	16	21,9
IIIA	8	11,0
IIIB	5	6,8
IVA	2	2,7
Adenocarcinoma	44	60,3
Squamous cell	23	31,5
N0	47	67,1
N1	14	20,0
N2	9	12,9
Peripheral	63	86,3
Central	10	13,7

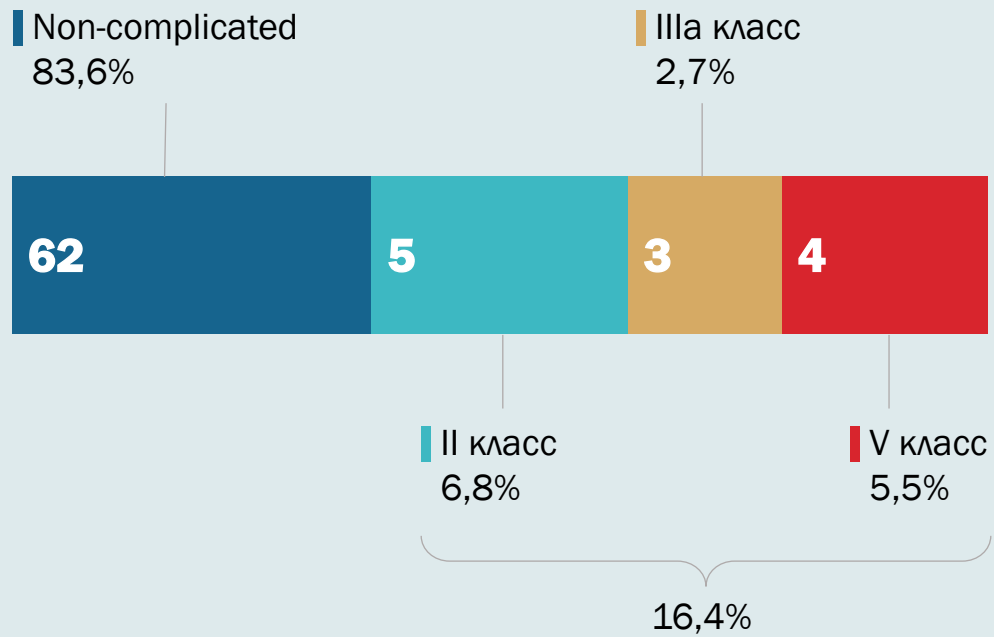
3_{CM}
Mean
tumour size

46%
Acinar

33%
N+

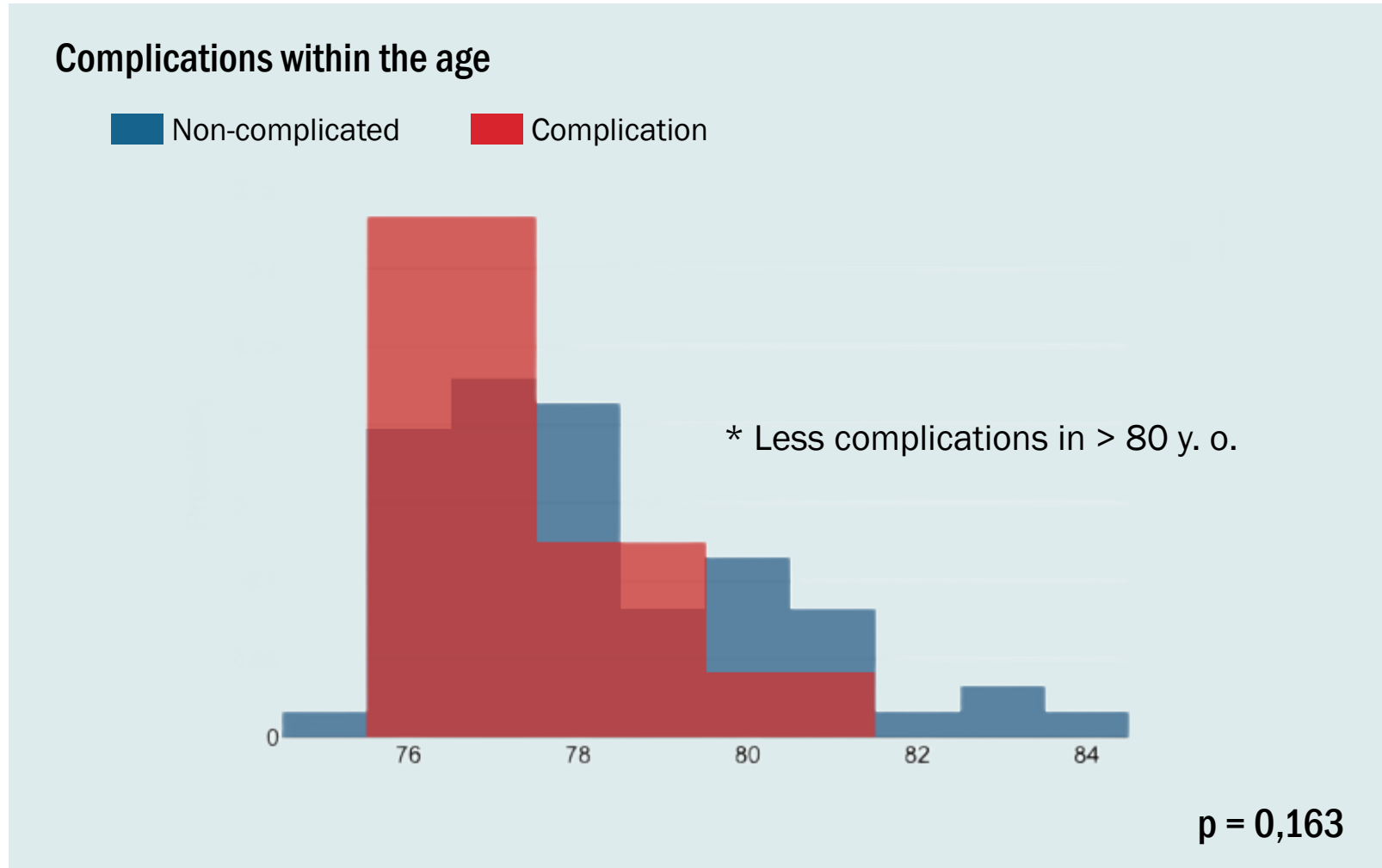
Results

Complications

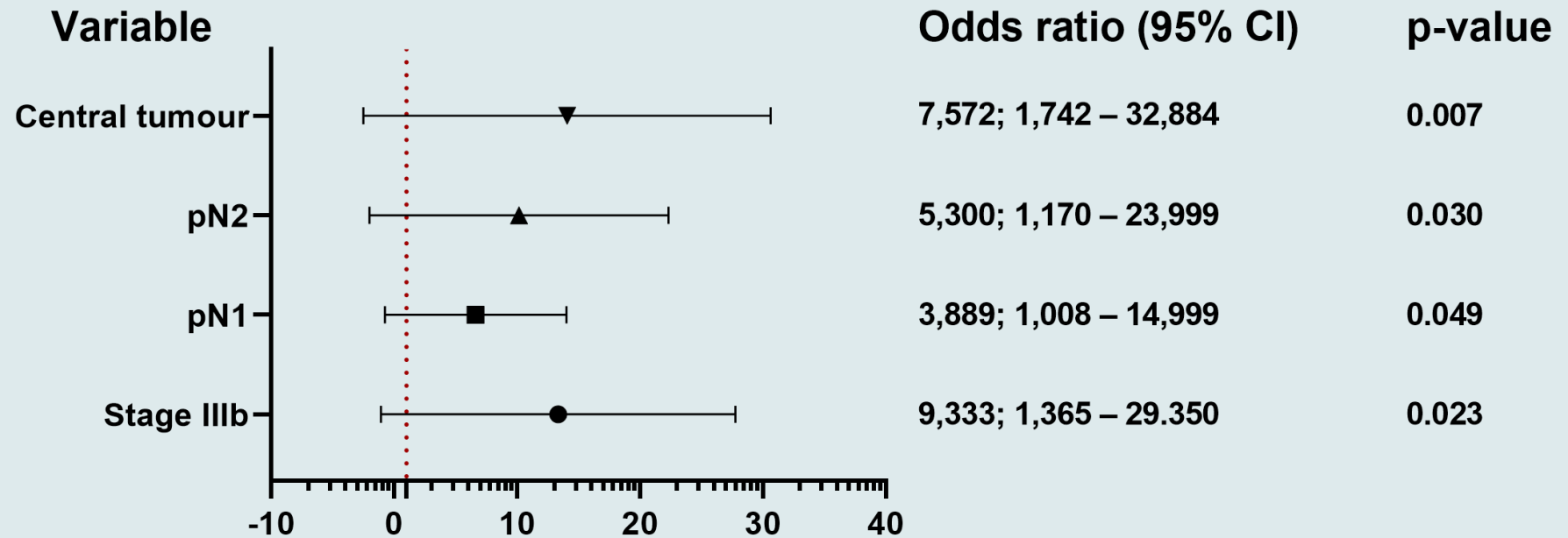
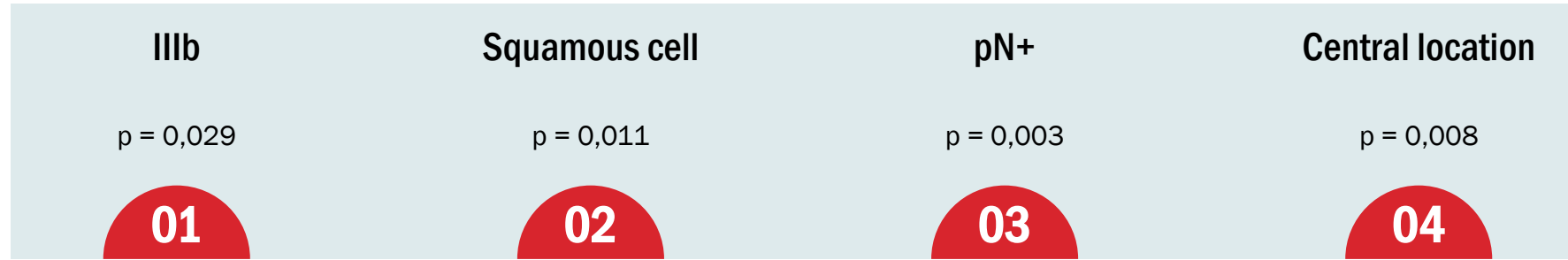


- Atrial fibrillation – 5 (42%)
- Prolonged air leak – 4 (33%)
- Pneumonia – 2 (16%)
- Bleeding – 1 (8%)

Results

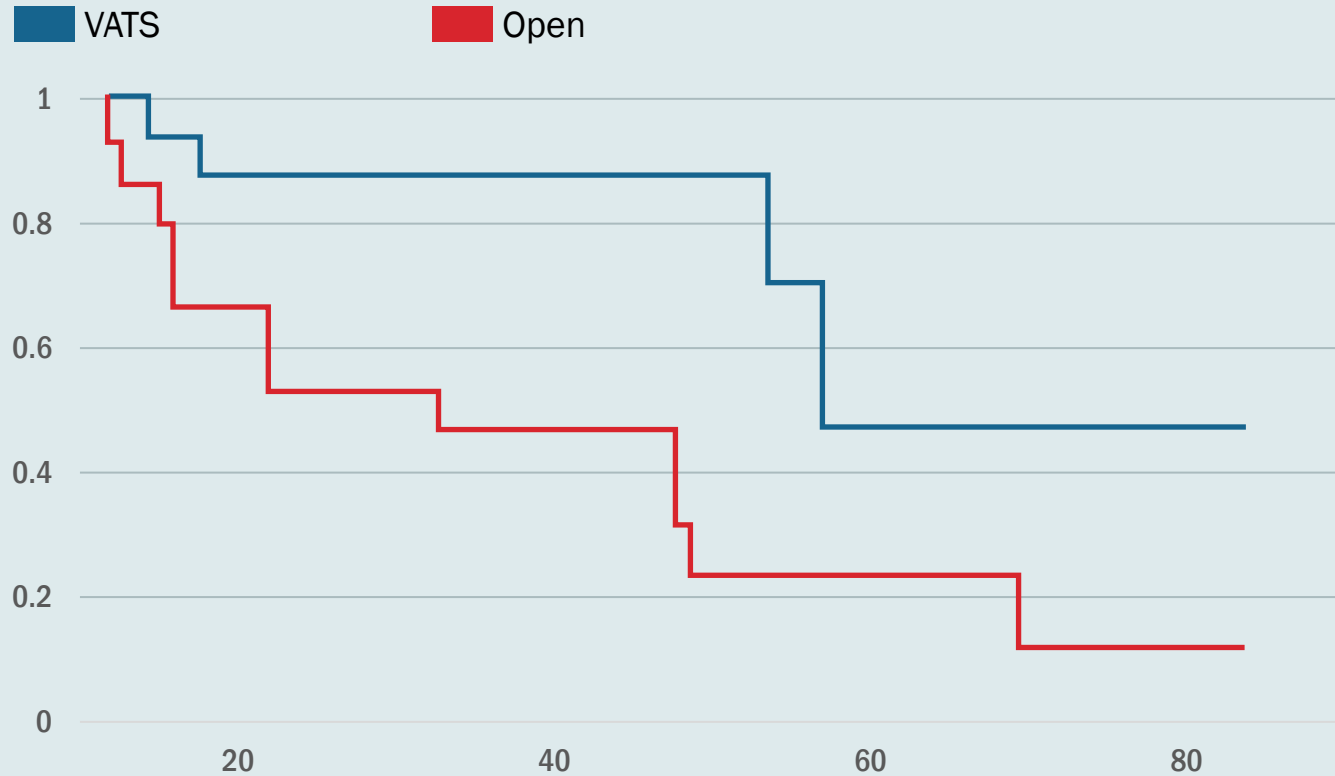


Analysis for postoperative complications



Results

Overall survival



Recurrence-free

88% 1-year
66% 3-year

Overall

71% 1-year
66% 3-year
35% 5-year

Analysis for overall survival

Factor	Coefficient	p	RR	95% CI	
				Lower	Upper
Thoracotomy	1.32	0.044	0.27	0.06	0.86
Stage Ia2	-4.18	0.033	0.02	0	0.71
Stage Ia3	-4.15	0.034	0.02	0	0.74
Charlson's CI	0.49	0.045	1.63	1.01	2.63

✓ AUC = 0,861

✓ Sensitivity = 75%

✓ $p < 0,001$

✓ Specificity = 81%