

EP07.19: Comparison of Wedge Resection and Segmentectomy for Early-Stage Non-Small Cell Lung Cancer: A SEER Retrospective National Database in Korea #2459

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INTRODUCTION

1. Lobectomy : gold standard for NSCLC
2. Limited resection is in the limelight : regarding preserving lung function
3. The prognostic differences between wedge resection and segmentectomy remain unclear
4. Aim : compared the prognosis of wedge resection and segmentectomy using a nationwide Korean database

METHODS

1. 2012-2019 diagnosed patients
2. Local stage (SEER) patients
3. Using K-CURE system
- (Korea-Clinical Data Utilization Network for Research Excellence)

What is K-CURE Library

- A library that combines a clinical library(datasets generated by hospitals and medical institutions) and a cancer public library(datasets generated by public institutions)
- K-CURE library refers to three kinds of data : clinical data, cancer public data, and clinical + cancer public data.



DISCUSSION AND CONCLUSION

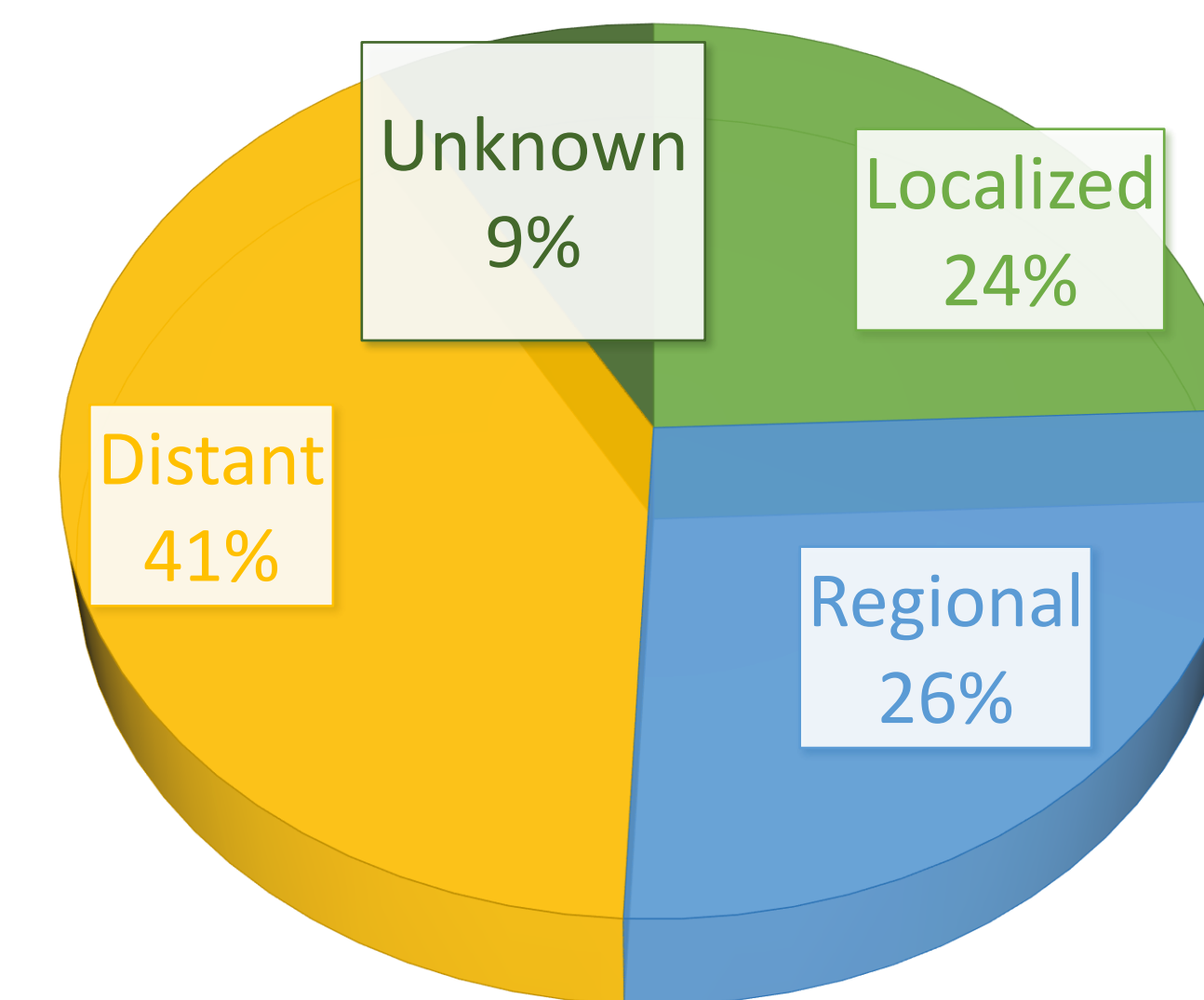
1. Adenocarcinoma : make up the largest portion (Local stage)
2. Local stage NSCLC patients have favorable outcomes
3. Among patients who had limited resection for local stage NSCLC, overall survival was significantly longer in segmentectomy compared to wedge resection

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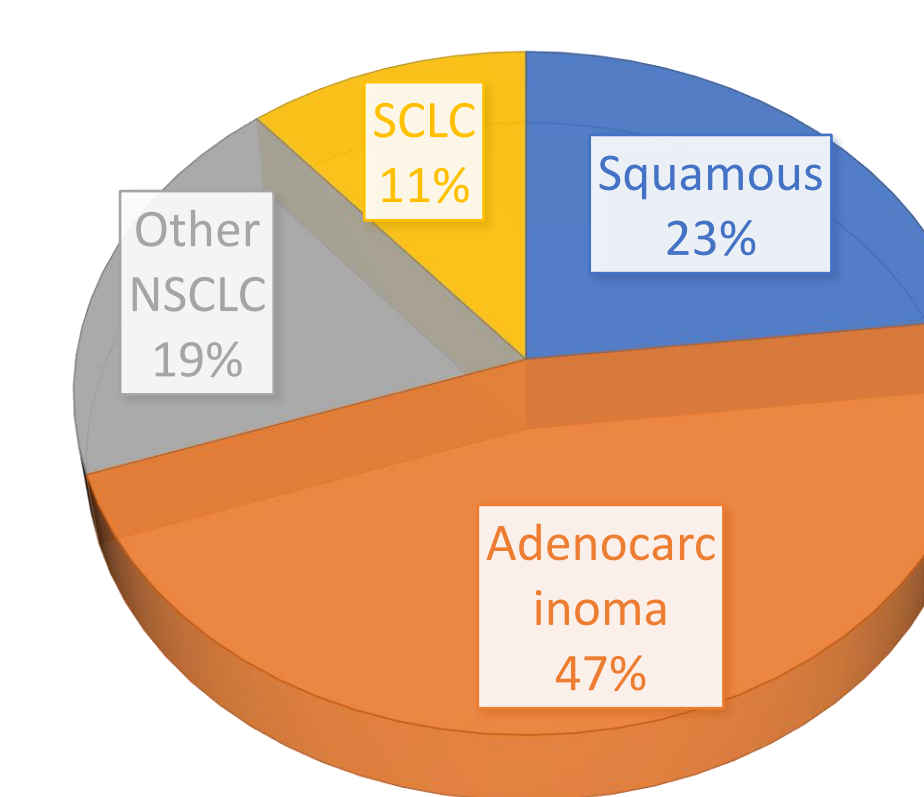
RESULTS

Proportion of Patients by Stage

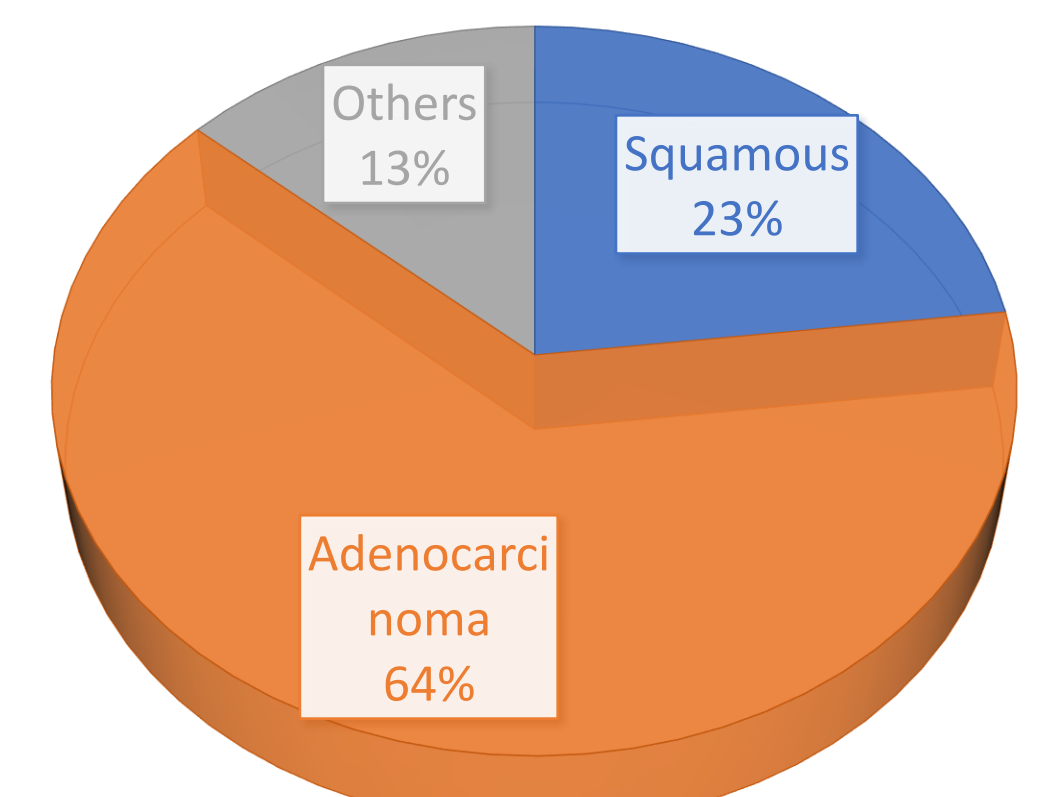


Proportion of Patients by histology

All Stage



Local Stage(NSCLC)

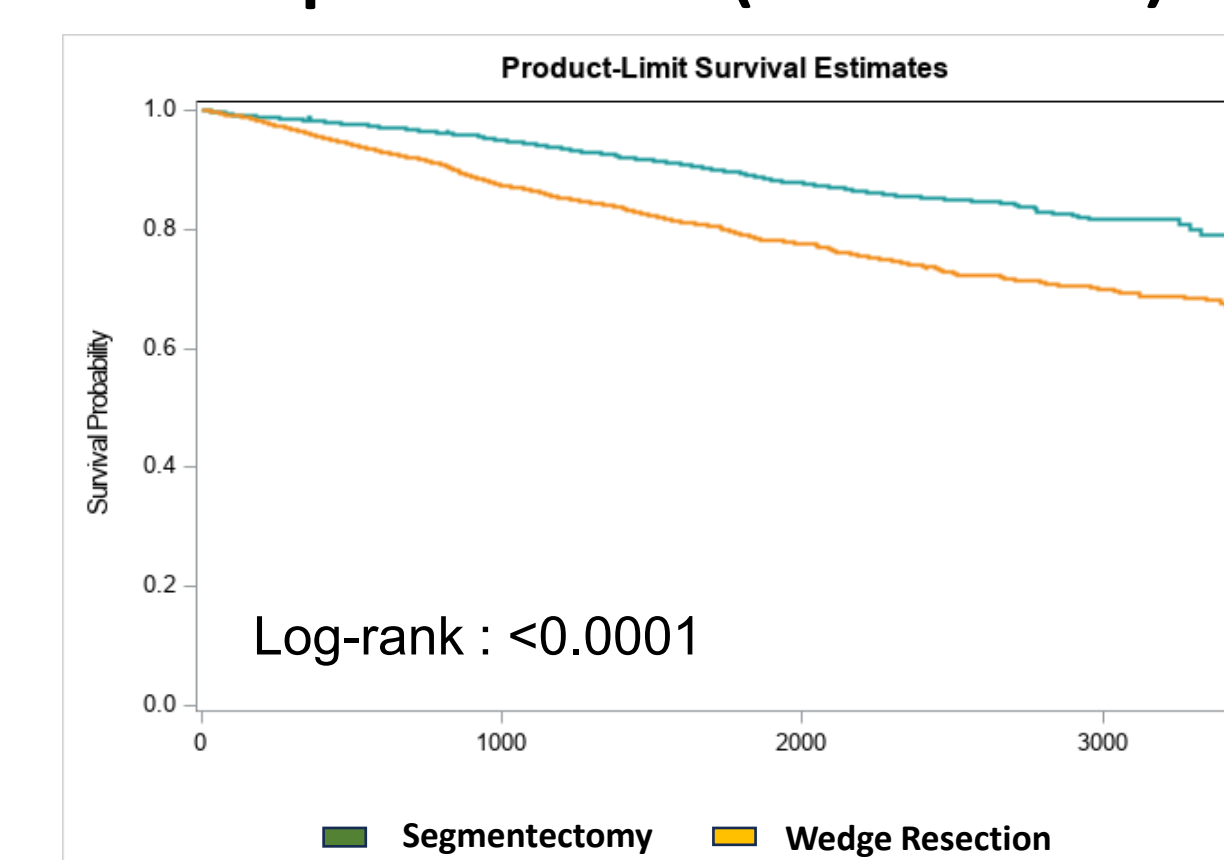


Demographics

		All NSCLC Localized Stage (N=39524)		Wedge Resection (N=2948)		Segmentectomy (N=2466)		P-value
		N	%	N	%	N	%	
Age		67.33±10.88		65.10±11.25		63.99±10.04		0.0002
Sex	Male	23932	60.55	1616	54.82	1238	50.2	0.0007
	Female	15592	39.45	1332	45.18	1228	49.8	
Histology	Squamous	9120	23.07	394	13.36	217	8.8	<.0001
	Adenocarcinoma	25092	63.49	2335	79.21	2129	86.33	
	Others	5312	13.44	219	7.43	120	4.87	
Number of comorbid	0	9754	24.68	759	25.75	722	29.28	<.0001
	1	9362	23.69	682	23.13	635	25.75	
	2+	20408	51.63	1507	51.12	1109	44.97	

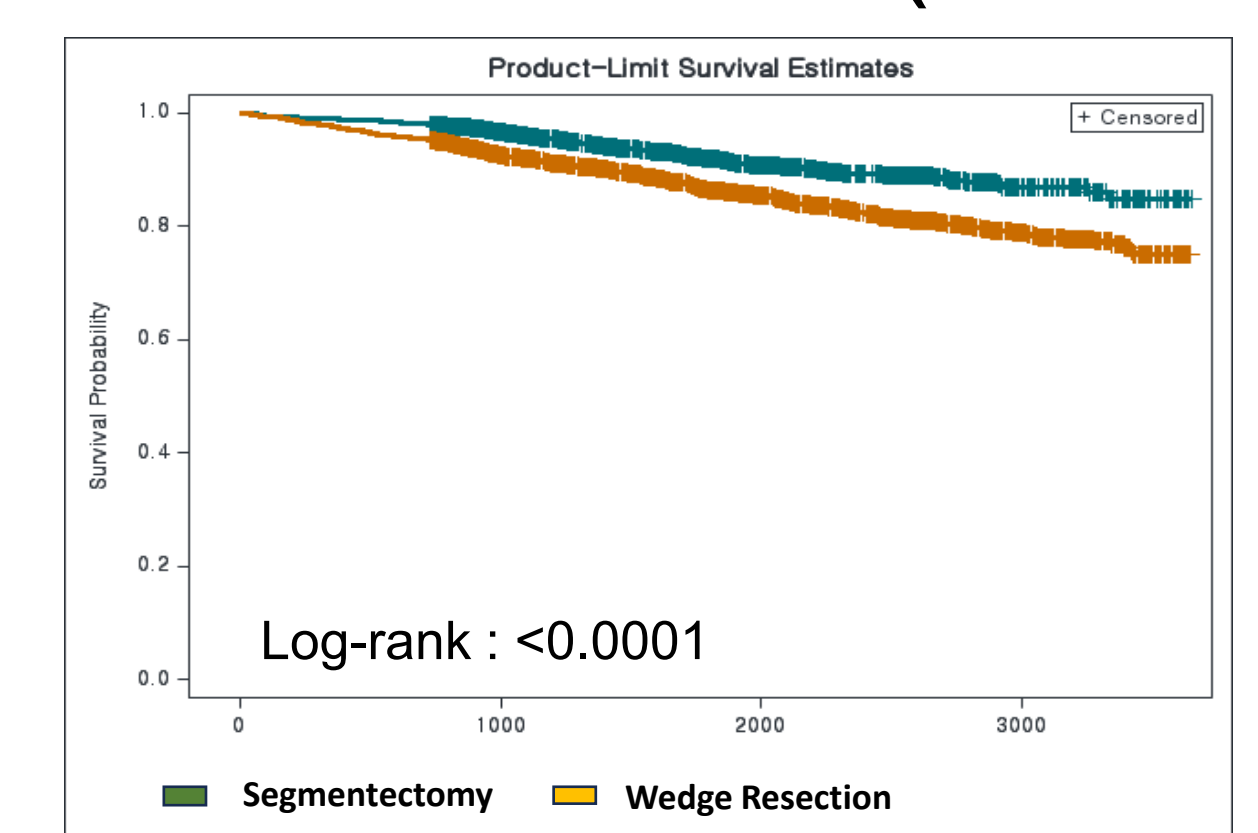
Survival outcomes of local stage patients according to surgical extent

All patients (N=5414)



Treatment	5-year Survival (95% CI)
Segmentectomy	89.02 (87.47-90.39)
Wedge Resection	78.86 (77.25-80.37)

Adenocarcinoma (n=4464)



Treatment	5-year Survival (95% CI)
Segmentectomy	91.86 (90.36-93.13)
Wedge Resection	86.34 (84.75-87.77)