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INTRODUCTION

An increasing number of localized kidney cancers is being diagnosed in elderly people, raising the issue of which is the optimal surgical management in this subset of patients.

The aim of this study is to compare surgical, functional and oncological outcomes of partial (PN) versus radical **nephrectomy (RN)** in a **multi-institutional cohort of elderly patients** from 23 European, US and Asian Institutions (**REnal SUrgery in the Elderly - RESURGE - project)**.

MATERIALS AND METHODS

A retrospective analysis of the RESURGE dataset was performed, focusing on **patients ≥80 years**. A **PN group** and a **RN group** were identified.

Differences between the two groups were measured by Pearson chi-square test and Mann-Whitney u-test.

A multivariable Fine and Gray competing risk analysis (including age, comorbidity, pathological tumor diameter, stage and grading and surgery) was used to assess the relationship with cancer specific survival (CSS)

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MP48-17 - OUTCOMES OF PARTIAL VERSUS RADICAL NEPHRECTOMY IN OCTOGENARIAN PATIENTS: RESULTS FROM THE RESURGE PROJECT

Median baseline renal function was close to CKD3 limit (RN vs PN 58.7 vs 60.4 ml/min, p=0.836). RN group had older age and larger, more advanced and **aggressive tumors** at presentation and pathology. Open, laparoscopic and robotic approaches were used in 61%, 37%, 1% and 52%, 19% and 28% of RN and PN, respectively. Perioperative morbidity was similar in terms of EBL and complication rates.

At 6 months, PN showed higher residual renal function (eGFR 51.6 vs 39.7 ml/min, p=0.001). At a median follow-up time of 39 months, 20% of patients died due to renal cancer, 11% for unrelated causes. Competing-risk regression model showed that the factors independently related to CSS were age and type of surgery (SHR 1.13 and 0.44, p=0.026 and 0.052)

CONCLUSIONS

Indication to PN in octogenarian is mainly driven by tumor's features. PN provides better preservation of renal function without increasing perioperative morbidity. PN and younger age are related to higher CSS.

RESULTS

585 patients: 364 (62.2%) RN and 221 (37.8%) PN

Patients' fea

Age (years), mean (± Sex, number (%) CCI, number (%) 1-2 No data Preop eGFR (ml/min), Hypertension, number Yes Type of surgery, numb Open Lap Robot-assisted No data Op time (min), mean (: Blood loss (ml), mean Complication, number Yes cT, number (%) RENAL, number (%) 4-6 7-10 >10 pT, number (%) ≥3 Grading, number (%) 1-2 3-4 eGFR at 6-mo (ml/min



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atures	RN (364 patients)	PN (221 patients)	n value
SD)	83.10 (±2.74)	82.37 (±2.07)	0.008
	183 (50.27%)	99 (44.80%)	0.199
	181 (49.73%)	122 (55.20%)	
			0.836
	142 (39.0%)	103 (46.9%)	
	46 (12.6%)	29 (8.0%)	
	72 (19.8%)	46 (12.6%)	
	104 (28.6%)	43 (19.5%)	
), mean (±SD)	58.75 (±19.70)	60.38 (±20.32)	0.358
er (%)			0.005
	148 (40.7%)	60 (27.2%)	
	206 (56.6%)	142 (64.2%)	
ber (%)			<0.001
	223 (61.3%)	113 (51.1%)	
	135 (37.1%)	42 (19.0%)	
	4 (1.1%)	62 (28.1%)	
	2 (0.5%)	4 (1.8%)	
(±SD)	178.77 (75.83)	162.61 (66.82)	0.020
n (±SD)	352.31 (396.66)	300.18 (337.70)	0.157
er (%)			0.716
	275 (75.5%)	164 (74.2%)	
	89 (24.5%)	57 (25.8%)	
			<0.001
	108 (29.7%)	171 (77.4%)	
	163 (44.8%)	44 (20.0%)	
	75 (20.5%)	5 (2.2%)	
	18 (5.0%)	1 (0.4%)	
	• -		<0.001
	33 (9.1%)	69 (31.2%)	
	120 (33.0%)	69 (31.2%)	
	33 (9.1%)	4 (1.8%)	
			<0.001
	221 (60.7%)	147 (66.5%)	
	49 (13.5%)	5 (2.3%)	
	78 (21.4%)	10 (4.5%)	
			0.003
	184 (50.5%)	123 (55.7%)	
	149 (40.9%)	56 (25.3%)	
n), mean (±SD)	39.69 (±12.80)	51.64 (±19.27)	<0.001