

Supplementary Table 2. Comparison of clinical, surgical and radiologic characteristics between pathologically confirmed renal cell carcinoma and benign tumor subtypes in our surgical cohort

	Renal Cell Carcinoma n=102	Benign Tumors* n=36	P-value
No. sex (%)			
Male	65 (64)	13 (36)	0.006
Female	37 (36)	23 (64)	
No. race (%)			
White	98 (96)	34 (94)	0.77
Black	1 (1)	1 (3)	
Asian	3 (3)	1 (3)	
No. presenting symptom (%)			
Incidental, asymptomatic	88 (86.3)	34 (94.4)	0.24
Local	14 (13.7)	2 (5.6)	
Median age at surgery (IQR)	53.6 (44.9-63.7)	55.6 (46.7-64.6)	0.50
No. surgical technique (%)			
Partial	91 (89.2)	31 (86.1)	0.76
Radical	11 (10.8)	5 (13.9)	
Open	84 (82.4)	29 (80.6)	0.93
Laparoscopic	7 (6.9)	3 (8.3)	
Robotic	11 (10.8)	4 (11.1)	
Median radiologic tumor size, cm (IQR)	3.3 (2.3-4.7)	2.9 (2.0-4.9)	0.39
No. solid component (%)			
Yes	58 (56.9)	11 (30.6)	0.01
No	44 (43.1)	25 (69.4)	
No. solid component (%)			
25-50%	18 (17.6)	5 (13.9)	0.01
<25%	40 (39.2)	6 (16.7)	
No measurable solid component	44 (43.1)	25 (69.4)	
Median solid component size, cm (IQR)	0.8 (0.6-1.2)	0.6 (0.5-0.9)	0.004
No. Bosniak Classification (%)			
4	49 (48)	10 (27.8)	<0.0001
3	52 (51)	18 (50)	

2F	1 (1)	8 (22.2)	
No. tumor location (%)			
>50% Exophytic	80 (78.4)	26 (72.2)	0.44
<50% Exophytic	7 (6.9)	5 (13.9)	
Endophytic	15 (14.7)	5 (13.9)	
No. presence of calcifications (%)			
Yes	17 (16.7)	13 (36.1)	0.02
No	85 (83.3)	23 (63.9)	
No. presence of septations (%)			
Yes	92 (90.2)	31 (86.1)	0.54
No	10 (9.8)	5 (13.9)	
No. presence of other cysts (%)			
Yes	57 (55.9)	19 (52.8)	0.85
No	45 (44.1)	17 (47.2)	

* Benign tumor subtypes include multilocular cystic renal cell neoplasm of low malignant potential, mixed epithelial and stromal tumor family, and benign multilocular cysts