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Predictive factors for ipsilateral recurrence after nephron-sparing surgery in renal cell carcinoma.

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Table 3 – Predictive factors in univariate analysis for local recurrence in 809 patients with renal tumours treated by nephron sparing surgery

Variables	Local recurrence n = 26 (%)	No local recurrence n = 783 (%)	p
Median age, yr (interquartile range)	61.5 (54-67)	61(51-70)	ns
Sex, male (%) female (%)	18 (69.3%) 8 (30.7%)	552 (70.5%) 231 (29.5%)	ns
Histology Conventional RCC Papillary RCC Chromophobe RCC Other	19 (73.1%) 3 (11.5%) 1 (3.9%) 3 (11.5%)	550 (70.3%) 157 (20%) 47 (6%) 29 (3.7%)	ns
Tumour location Superior pole Equatorial Lower pole Missing data	9 (34.6%) 12 (46.2%) 3 (11.5%) 2 (7.7%)	210 (26.8%) 287 (36.7%) 219 (28%) 67 (8.5%)	ns
Non exophytic tumour	6 (23.1%)	240 (30.6%)	ns
Hilar tumour	5 (19.2%)	79 (10.1%)	ns
pT3a stage	5 (19.2%)	59 (7.5%)	0.04
N stage ≥ 1	0	12 (1.5%)	ns
M stage = 1	2 (7.7%)	29 (3.7%)	ns
Imperative Indication	21 (80.8%)	263 (33.6%)	< 0.01
Bilateral tumour	17 (65.4%)	168 (21.5%)	< 0.01
Tumour size > 4cm	15 (57.7%)	171 (21.8%)	< 0.01
Fuhrman grade 3 or 4	10 (38.5%)	156 (19.2%)	0.01
Positive surgical margin	4 (15.4%)	8 (1%)	< 0.01

SD=Standard Deviation, RCC=Renal Cell Carcinoma, ns=not significant