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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