

# Non Type 1 pRCC is associated with a worst oncological outcome in patients treated surgically

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**Objective** : There is conflicting data on prognostic implications of subclassification of pRCC. We aim to determine whether histological subtyping can be considered as a prognostic factor for survival.

**Methods** : A bicentric retrospective study compared clinicopathologic features and survival in patients treated surgically for 164 Type 1 and 198 Non Type 1 pRCC.

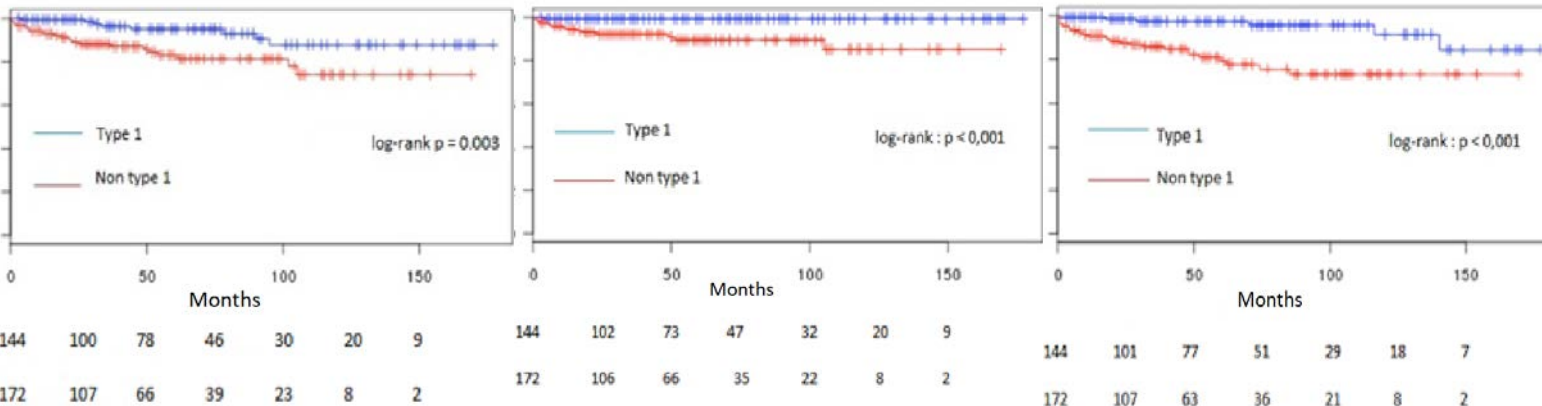
**Results** : Non Type 1 pRCC tumors were associated with more aggressive histological characteristics. Overall survival, cancer free survival and specific survival were significantly lower in Non Type 1 pRCC group. 92% Non Type 1 tumors were high Fuhrman grade lesions, which was the only histological prognostic factor for overall survival on multivariate analysis.

	Type 1 (n = 164)	Non Type 1 (n = 198)	p
Low grade (1-2)	123 (75%)	16 (8,1%)	< 0,001
High grade (3-4)	41 (25%)	181 (91,9%)	
Mean Tumor Size (mm)	35,8	53,6	< 0,001
Multifocal	45 (27,4%)	23 (11,6%)	0,0002
pT1	145 (88,4%)	121 (61,1%)	< 0,001
pT2	12 (7,3%)	27 (13,6%)	
pT3	7 (4,3%)	48 (24,2%)	
pT4	0	1 (0,5%)	
Sarcomatoid contingent	3 (1,8%)	21 (10,6%)	0,001
Vascular Emboli	5 (3%)	28 (14,1%)	< 0,001
Presence of Tumor Necrosis	57 (34,8%)	128 (64,6%)	< 0,001
N stage	1 (0,6%)	12 (6%)	0,008

Overall Survival

Cancer specific survival

Recurrence free survival



**Conclusion** : Non Type 1 pRCC is strongly associated with high grade and survival is significantly lower when compared to Type 1 pRCC.