

**Supplementary table 1: Characteristics of cohort (n=738)**

<b>Variable</b>	<b>Level</b>
Age (year), median (IQR)	57 (49-64)
Tumor size (cm), median (IQR)	5 (3-7.5)
Follow-up (months), median (IQR)	34 (15-62.9)
Gender, n (%)	
Male	414 (65.8)
Female	215 (34.2)
ECOG performance status, n (%)	
0	405 (54.9)
1	179 (24.3)
2	41 (5.6)
3	7 (0.9)
Missing	106 (14.3)
AJCC tumor stage, n (%)	
pT1	503 (68.2)
pT2	171 (23.2)
pT3	64 (8.7)
Recurrences, n (%)	
Local	30 (4.1)
Distant	73 (9.9)
Local + Distant	16 (2.2)
Vital status, n (%)	
Alive with no disease	565 (76.6)
Alive with disease	54 (7.3)
Dead of disease	88 (11.9)
Dead from other cause	31 (4.2)

AJCC: American Joint Committee on Cancer; cm: centimeter; ECOG: Eastern Cooperative Oncology Group; IQR: interquartile range