

	Overall (n=24)	Low clonality (n=12)	High clonality (n=12)	p value
Demographics				
Mean age, years (SD)	65.3 (11.2)	66.9 (11.0)	63.7 (11.6)	0.51
Female, n (%)	7 (29.1)	5 (41.7)	2 (16.7)	0.37
Caucasian, n (%)	22 (91.6)	12 (100)	10 (83.3)	0.47
Clinical characteristics				
Mean BMI, kg/m ² (SD)	27.2 (4.7)	24.9 (3.2)	29.4 (5.0)	0.02
Mean smoking pack years (SD)	10.6 (16.5)	10.4 (16.6)	10.7 (17.3)	0.95
Diabetes, n (%)	12 (50.0)	3 (25.0)	9 (75.0)	0.03
Pre-operative biliary stent, n (%)	18 (75.0)	10 (83.3)	8 (66.7)	0.64
Mean pre-operative CA 19-9, u/mL (SD)	509.7 (673.5)	685.4 (858.2)	334.1 (380.4)	0.20
Mean maximum tumor dimension, cm (SD)	3.3 (1.2)	3.2 (1.1)	3.4 (1.4)	0.68
Vascular resection, n (%)	6 (25.0)	4 (33.3)	2 (16.7)	0.64
R0 resection, n (%)	15 (62.5)	6 (50.0)	9 (75.0)	0.40
T stage 2, n (%)	3 (12.5)	2 (16.7)	1 (8.3)	1.0
T stage 3, n (%)	21 (87.5)	10 (83.3)	11 (91.7)	1.0
N stage 1, n (%)	20 (83.3)	11 (91.7)	9 (75.0)	0.59
Mean percentage of node positivity (SD)	17.6 (13.9)	19.9 (15.7)	15.3 (12.2)	0.43
Poorly differentiated tumor, n (%)	2 (10.0)	1 (9.0)	1 (11.1)	1.0
Lymphovascular invasion, n (%)	10 (66.7)	5 (71.4)	5 (62.5)	1.0
Perineural invasion, n (%)	14 (87.5)	7 (87.5)	7 (87.5)	1.0
Adjuvant chemotherapy, n (%)	21 (91.3)	12 (100)	9 (81.8)	0.21
Adjuvant radiation, n (%)	7 (53.8)	4 (57.1)	3 (50.0)	1.0
Outcomes				
Mean time to post-operative recurrence, days (SD)	416.0 (307.4)	436.0 (324.5)	393.8 (305.0)	0.77
Mean overall survival, days (SD)	1062.4 (826.3)	1246.9 (1012.9)	878.7 (572.9)	0.28