

Supplementary Table 1. Clinicopathological Characteristics, Stratified by T Stage

Characteristic	T3 (n = 324)	T4 (n = 32)	P-value	Total (n = 356)
Gender				
Female	149 (46.0)	14 (43.8)		163 (45.8)
Male	175 (54.0)	18 (56.2)	0.808	193 (54.2)
Age, years (IQR)	72 (63-79)	71 (65-76)	0.587	71 (64-79)
Diabetes	50 (16.0)	3 (9.4)	0.324	53 (15.4)
Colonoscopy	297 (96.1)	30 (96.8)	0.856	327 (96.2)
Abdominal Ultrasound	92 (28.4)	12 (37.5)	0.280	104 (29.2)
CT-Abdomen	289 (89.2)	31 (96.9)	0.169	320 (89.9)
MRI Abdomen	8 (2.5)	0 (0.0)	0.369	8 (2.2)
PET-scan	1 (0.3)	0 (0.0)	0.753	1 (0.3)
ASA Class				
1	28 (11.1)	4 (15.4)		32 (11.5)
2	175 (69.4)	20 (76.9)		195 (70.1)
3	49 (19.4)	2 (7.7)		51 (18.3)
4	0 (0.0)	0 (0.0)	0.311	0 (0.0)
Type of Operation				
Open Resection	162 (50.3)	16 (53.3)		178 (50.6)
Laparoscopic Resection	160 (49.7)	14 (46.7)	0.751	174 (49.4)
Type of Resection				
Left-Sided Resection	157 (48.9)	12 (40.0)		169 (48.1)
Right-Sided Resection	156 (48.6)	16 (53.3)		172 (49.0)
(Sub)total Colectomy	8 (2.5)	2 (6.7)	0.324	10 (2.8)
Tumor Differentiation				
Poor	34 (10.5)	2 (6.2)		36 (10.1)
Moderate	271 (83.9)	27 (84.4)		298 (83.9)
Well	13 (4.0)	0 (0.0)		13 (3.7)
Unknown	5 (1.5)	3 (9.4)	0.021	8 (2.3)
Lymphovascular Invasion				
No	96 (29.7)	7 (21.9)		103 (29.0)
Yes	27 (8.4)	2 (6.2)		29 (8.2)
Unknown	200 (61.9)	23 (71.9)	0.539	223 (62.8)
N-Stage				
N0	283 (87.3)	29 (90.6)		312 (87.6)
Nx	41 (12.7)	3 (9.4)	0.591	44 (12.4)
Adjuvant Therapy	9 (2.8)	12 (37.5)	<0.001	21 (5.9)

Supplementary Table 2. Clinicopathological Characteristics, Stratified by Lymphovascular Invasion

Characteristic	No Lymphovascular Invasion (n = 103)	Lymphovascular Invasion (n = 29)	Unknown (n = 223)	P-value	Total (n = 356)
Gender					
Female	48 (46.6)	13 (44.8)	102 (45.7)		163 (45.8)
Male	55 (53.4)	16 (55.2)	121 (54.3)	0.982	193 (54.2)
Age, years (IQR)	69 (61-76)	71 (62-79)	72 (65-80)	0.049	71 (64-79)
Diabetes	16 (16.2)	3 (10.3)	33 (15.3)	0.740	53 (15.4)
Colonoscopy	90 (91.8)	29 (100.0)	207 (97.6)	0.025	327 (96.2)
Abdominal Ultrasound	24 (23.3)	7 (24.1)	73 (32.7)	0.180	104 (29.2)
CT-Abdomen	94 (91.3)	25 (86.2)	200 (89.7)	0.721	320 (89.9)
MRI Abdomen	1 (1.0)	1 (3.4)	6 (2.7)	0.563	8 (2.2)
PET-scan	0 (0.0)	0 (0.0)	1 (0.4)	0.743	1 (0.3)
ASA Class					
1	11 (13.8)	2 (9.1)	19 (10.9)		32 (11.5)
2	57 (71.2)	16 (72.7)	121 (69.1)		195 (70.1)
3	12 (15.0)	4 (18.2)	35 (20.0)		51 (18.3)
4	0 (0.0)	0 (0.0)	0 (0.0)	0.856	0 (0.0)
Type of Operation					
Open Resection	56 (56.0)	18 (62.1)	103 (46.4)		178 (50.6)
Laparoscopic Resection	44 (44.0)	11 (37.9)	119 (53.6)	0.119	174 (49.4)
Type of Resection					
Left-Sided Resection	42 (42.0)	12 (41.4)	115 (52.0)		169 (48.1)
Right-Sided Resection	52 (52.0)	17 (58.6)	102 (42.6)		172 (49.0)
(Sub)total Colectomy	6 (6.0)	0 (0.0)	4 (1.8)	0.092	10 (2.8)
AJCC T-Stage					
T3	96 (93.2)	27 (93.1)	200 (89.7)		324 (91.0)
T4	7 (6.8)	2 (6.9)	23 (10.3)	0.539	32 (9.0)
Tumor Differentiation					
Poor	10 (9.7)	7 (24.1)	19 (8.6)		36 (10.1)
Moderate	86 (83.5)	20 (69.0)	192 (86.5)		298 (83.9)
Well	3 (2.9)	1 (3.4)	8 (3.6)		13 (3.7)
Unknown	4 (3.9)	1 (3.4)	3 (1.4)	0.153	8 (2.3)
N-Stage					
N0	91 (88.3)	23 (79.3)	197 (88.3)		312 (87.6)
Nx	12 (11.7)	6 (20.7)	26 (11.7)	0.368	44 (12.4)
Adjuvant Therapy	5 (4.9)	4 (13.8)	12 (5.4)	0.169	21 (5.9)

Supplementary Table 3. Clinicopathological Characteristics, Stratified by Tumor Differentiation

Characteristic	Poor (n = 36)	Moderate (n = 298)	Well (n = 13)	Unknown (n= 8)	P-value	Total (n = 356)
Gender						
Female	17 (47.2)	136 (45.6)	7 (53.8)	2 (25.0)		163 (45.8)
Male	19 (52.8)	162 (54.4)	6 (46.2)	6 (75.0)	0.623	193 (54.2)
Age, years (IQR)	69 (58-76)	64 (72-79)	70 (68-77)	65 (55-77)	0.257	71 (64-79)
Diabetes	3 (8.3)	44 (15.3)	6 (46.2)	0 (0.0)	0.007	53 (15.4)
Colonoscopy	35 (100.0)	270 (95.4)	13 (100.0)	8 (100.0)	0.444	327 (96.2)
Abdominal Ultrasound	12 (33.3)	85 (28.5)	5 (38.5)	2 (25.0)	0.809	104 (29.2)
CT-Abdomen	29 (80.6)	272 (91.3)	10 (76.9)	8 (100.0)	0.061	320 (89.9)
MRI Abdomen	2 (5.6)	5 (1.7)	1 (7.7)	0 (0.0)	0.245	8 (2.2)
PET-scan	0 (0.0)	1 (0.3)	0 (0.0)	0 (0.0)	0.979	1 (0.3)
ASA Class						
1	6 (18.8)	23 (10.2)	1 (8.3)	2 (28.6)		32 (11.5)
2	17 (53.1)	164 (72.6)	9 (75.0)	4 (57.1)		195 (70.1)
3	9 (28.1)	39 (17.3)	2 (16.7)	1 (14.3)		51 (18.3)
4	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0.296	0 (0.0)
Type of Operation						
Open Resection	22 (61.1)	144 (49.0)	6 (46.2)	6 (75.0)		178 (50.6)
Laparoscopic Resection	14 (38.9)	150 (51.0)	7 (53.8)	2 (25.0)	0.272	174 (49.4)
Type of Resection						
Left-Sided Resection	12 (33.3)	150 (51.2)	4 (30.8)	2 (25.0)		169 (48.1)
Right-Sided Resection	24 (66.7)	135 (46.1)	8 (61.5)	5 (62.5)		172 (49.0)
(Sub)total Colectomy	0 (0.0)	8 (2.7)	1 (7.7)	1 (12.5)	0.059	10 (2.8)
AJCC T-Stage						
T3	34 (94.4)	271 (90.9)	13 (100.0)	5 (62.5)		324 (91.0)
T4	2 (5.6)	27 (9.1)	0 (0.0)	3 (37.5)	0.021	32 (9.0)
Lymphovascular Invasion						
No	10 (27.8)	86 (28.9)	3 (25.0)	4 (50.0)		103 (29.0)
Yes	7 (19.4)	20 (6.7)	1 (8.3)	1 (12.5)		29 (8.2)
Unknown	19 (52.8)	192 (64.4)	8 (66.7)	3 (37.5)	0.153	223 (62.8)
N-Stage						
N0	32 (88.9)	260 (87.2)	12 (92.3)	7 (87.5)		312 (87.6)
Nx	4 (11.1)	38 (12.8)	1 (7.7)	1 (12.5)	0.949	44 (12.4)
Adjuvant Therapy	3 (8.3)	16 (5.4)	0 (0.0)	2 (25.0)	0.086	21 (5.9)