

Supplemental Table1: Patient characteristics for subsets with and without chemotherapy after Propensity Score Matching (PSM).

Factors	Without Chemotherapy N=13,806	With Chemotherapy N=13,806	P
Age			1.000
≤60	6,518(47.21)	6,518(47.21)	
>60	7,288(52.79)	7,288(52.79)	
Gender			0.990
Female	6,652(48.18)	6,653(48.19)	
Male	7,154(51.82)	7,153(51.81)	
Marital status			1.000
Married	9,076(65.74)	9,075(65.73)	
Unmarried	1,861(13.48)	1,861(13.48)	
Divorced	2,869(20.78)	2,870(20.79)	
Race			1.000
White	11,323(82.02)	11,324(82.02)	
Black	1,345(9.74)	1,344(9.73)	
Other	1,138(8.24)	1,138(8.24)	
Location ^a			0.990
Left colon	7,605(55.08)	7,606(55.09)	
Right colon	6,201(44.92)	6,200(44.91)	
Histology			0.995
Adenocarcinoma	12,102(87.66)	12,101(87.65)	
Mucinous adenocarcinoma	1,658(12.01)	1,658(12.01)	
Signet ring cell carcinoma	46(0.33)	47(0.34)	
Differential grade			1.000
Grade I	948(6.87)	948(6.87)	
Grade II	10,544(76.37)	10,543(76.37)	
Grade III	2,314(16.76)	2,315(16.77)	
T-classification ^b			0.988
T3	10,893(78.90)	10,894(78.91)	
T4	2,913(21.10)	2,912(21.09)	
nLN			1.000
0	319(2.31)	319(2.31)	
0-3	409(2.96)	409(2.96)	
3-6	1,156(8.37)	1,157(8.38)	
6-12	3,463(25.08)	3,462(25.08)	
≥12	8,459(61.27)	8,459(61.27)	

CCSD=colon cancer specific death; nLN=number of lymphnodes;

^a Left colon includes rectosigmoid junction, sigmoid colon, descending colon and splenic flexure.

Right colon includes transverse colon, hepatic flexure, ascending colon, cecum, and appendix.

^b T classification according to 7th AJCC staging system.