

Supplementary Table 2. Risk factors of depression according to sex and age in rectal cancer patients

Variable	Male sex			Female sex			Age <50 yr			Age ≥50 yr				
	HR	95% CI	P>z	HR	95% CI	P>z	HR	95% CI	P>z	HR	95% CI	P>z		
Female sex	1.00			1.00			1.45	1.26	1.65	0.00	1.16	1.11	1.21	0.00
Age (Ref., 20s)		0.54												
30s	1.33	0.54	0.52	0.59	0.32	1.06	0.08	0.08	0.08	0.77	0.47	1.27	0.31	0.31
40s	1.34	0.55	0.23	0.70	0.40	1.22	0.21	0.21	0.21	0.85	0.53	1.35	0.49	0.49
50s	1.72	0.71	0.11	0.76	0.44	1.32	0.33	0.33	0.33					
60s	2.03	0.84	0.02	0.92	0.53	1.60	0.78	0.78	0.78	1.19	1.13	1.26	0.00	0.00
70s	2.76	1.15	0.02	1.09	0.63	1.88	0.77	0.77	0.77	1.53	1.45	1.62	0.00	0.00
80s	2.99	1.23		1.01	0.58	1.76	0.97	0.97	0.97	1.52	1.38	1.66	0.00	0.00
Type (Ref., no stoma)			0.13											
Temporary stoma	1.00	0.84	0.00	0.99	0.79	1.24	0.95	0.95	0.95	1.35	0.91	2.01	0.14	0.62
Permanent stoma	1.17	0.95		1.02	0.79	1.32	0.86	0.86	0.86	1.85	1.17	2.92	0.01	0.67
Previous depression (Ref., none)	2.46	2.28	0.76	2.23	2.07	2.40	0.00	0.00	0.00	3.18	2.56	3.96	0.00	0.00
Prior to 1 year before index surgery			0.32											
Radiotherapy (Ref., none)														
Preoperative	0.99	0.90	0.39	0.90	0.80	1.01	0.08	0.08	0.08	0.92	0.75	1.14	0.44	0.27
Postoperative	1.06	0.95	0.03	1.13	0.99	1.29	0.07	0.07	0.07	1.15	0.89	1.50	0.29	0.09
No. of stoma-making surgeries (Ref., never)														
Once	0.92	0.77	0.00	0.96	0.76	1.21	0.73	0.73	0.73	0.78	0.52	1.17	0.22	0.60
Twice	1.29	1.03	0.00	1.07	0.79	1.44	0.67	0.67	0.67	1.13	0.68	1.87	0.64	0.04
More than 3 times	2.13	1.49	0.09	1.12	0.62	2.02	0.70	0.70	0.70	1.56	0.72	3.35	0.26	0.00
Socioeconomic status (Ref., 16–20 quartile)			0.79											
Medicaid	1.78	1.57	0.81	1.32	1.16	1.49	0.00	0.00	0.00	1.86	1.28	2.72	0.00	0.00
1–5 quartile	1.12	1.04	0.06	1.01	0.93	1.11	0.75	0.75	0.75	1.20	0.98	1.46	0.08	0.08
6–10 quartile	1.07	0.99	0.88	1.03	0.94	1.13	0.51	0.51	0.51	1.11	0.92	1.34	0.27	0.21
11–15 quartile	1.08	1.01	0.00	0.98	0.91	1.07	0.71	0.71	0.71	1.04	0.87	1.25	0.67	0.22
Missing	0.97	0.79	0.09	0.98	0.78	1.23	0.87	0.87	0.87	1.43	0.94	2.18	0.09	0.38

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	HR	95% CI	P>z	HR	95% CI	P>z	HR	95% CI	P>z	HR	95% CI	P>z		
Myocardial infarction	0.95	0.60	0.17	1.11	0.53	2.34	0.78	0.45	26.49	0.24	0.98	0.66	1.45	0.90
Congestive heart failure	1.47	0.99	0.01	1.23	0.73	2.05	0.44	0.00	-	-	1.40	1.02	1.91	0.04
Peripheral vascular disease	1.04	0.66	0.01	0.63	0.26	1.51	0.30	0.00	-	-	1.00	0.67	1.50	0.99
Cerebrovascular disease	1.65	1.35	0.11	1.29	0.97	1.73	0.08	1.12	4.51	0.87	1.53	1.30	1.81	0.00
Dementia	0.43	0.16	0.27	1.06	0.58	1.92	0.85	1.00	-	-	0.75	0.45	1.24	0.26
Chronic pulmonary disease	1.38	1.14	0.85	0.86	0.64	1.17	0.34	1.20	3.21	0.72	1.18	1.00	1.39	0.04
Rheumatic disease	1.84	0.77	0.87	0.94	0.30	2.92	0.91	1.18	8.48	0.87	1.26	0.60	2.65	0.54
Peptic ulcer disease	1.29	1.07	-	0.87	0.64	1.18	0.37	1.38	2.24	0.20	1.12	0.95	1.33	0.17
Mild liver disease	1.37	1.07	0.28	0.90	0.59	1.37	0.62	1.35	0.70	2.61	1.18	0.94	1.48	0.15
Diabetes without chronic complication	1.13	0.97	-	1.17	0.98	1.39	0.09	1.52	0.90	2.55	1.13	1.01	1.27	0.04
Diabetes with chronic complication	1.19	0.87	1.64	1.32	0.92	1.89	0.14	0.45	0.06	3.53	1.28	1.01	1.63	0.04
Hemiplegia or paraplegia	0.95	0.54	1.65	1.38	0.66	2.89	0.39	0.14	-	-	1.15	0.74	1.79	0.54
Renal disease	0.96	0.58	1.60	0.61	0.25	1.48	0.27	1.62	11.66	0.63	0.82	0.52	1.29	0.39
Moderate or severe liver disease	0.00	-	-	0.81	0.11	5.77	0.84	0.00	-	-	0.31	0.04	2.20	0.24
Metastatic solid tumor	1.09	0.93	1.27	1.09	0.91	1.31	0.36	1.17	0.86	1.60	1.06	0.93	1.21	0.36
AIDS/HIV	1.00	-	-	0.00	-	-	-	1.00	-	-	0.00	-	-	-

HR, hazard ratio; CI, confidence interval; Ref, reference; AIDS, acquired immune deficiency syndrome; HIV, human immunodeficiency virus.