

**Supplementary Table 4.** Risk Factors for Colectomy in Patients with Ulcerative Colitis

Variable	Univariate regression		Multivariate regression	
	HR (95% CI)	P-value	HR (95% CI)	P-value
Sex				
Male	Reference		Not included	
Female	0.907 (0.604–1.363)	0.640		
Age at diagnosis				
≤ 16 yr	Reference		Reference	
17–40 yr	0.453 (0.209–0.980)	0.044	0.566 (0.258–1.244)	0.157
> 40 yr	0.668 (0.212–2.106)	0.491	0.960 (0.297–3.097)	0.945
Montreal classification				
E1	Reference		Reference	
E2	3.936 (1.741–8.898)	0.001	3.131 (1.376–7.124)	0.007
E3	6.235 (2.845–13.663)	<0.001	4.810 (2.183–10.601)	<0.001
Clinical classification				
Initial onset	Reference		Not included	
Chronic relapse	0.890 (0.551–1.436)	0.632		
Family history				
No	Reference		Not included	
Yes	0 (0–1.040E+173)	0.958		
Smoking				
No	Reference		Not included	
Current smoker	1.110 (0.618–1.994)	0.726		
Former smoker	0 (0–8.120E+191)	0.962		
Ever use of medications				
Glucocorticoids	4.445 (2.634–7.504)	<0.001	3.359 (1.915–5.891)	<0.001
Thiopurines	2.617 (1.739–3.938)	<0.001	1.485 (0.954–2.310)	0.080
Biologic agents	1.736 (1.119–2.693)	0.014	0.927 (0.581–1.478)	0.750
Extraintestinal manifestations				
No	Reference		Not included	
Yes	1.163 (0.621–2.178)	0.636		
Cohort				
2007–2011	Reference		Not included	
2012–2016	0.801 (0.430–1.493)	0.485		
2017–2021	1.399 (0.733–2.671)	0.308		

HR, hazard ratio; CI, confidence interval.