Supplementary Table 1 Patient characteristics and risk factors in association with endoscopic and histologic inflammation.

Risk factors/patient level characteristics	Inactive (N = 599)	Mild (N = 242)	Moderate (N = 87)	Severe (N = 27)	P value
Gender					
F	236 (39.4%)	78 (32.2%)	38 (43.7%)	11 (40.7%)	0.158
Μ	363 (60.6%)	164 (67.8%)	49 (56.3%)	16 (59.3%)	-
Age at procedure					
Median (Q1, Q3)	59.0 (45.0, 67.0)	55.0 (43.0, 64.0)	53.0 (42.5, 67.35)	42.0 (35.0, 58.5)	< 0.001
Mean (SD)	56.2 (14.5)	53.7 (14.3)	53.5 (15.5)	46.2 (16.8)	
Years since IBD diagnosis					
Median (Q1, Q3)	13.3 (7.8, 22.0)	12.7 (6.9, 21.0)	10.7 (5.4, 24.2)	10.3 (8.5, 14.3)	0.612
Mean (SD)	15.8 (11.3)	15.4 (11.6)	15.2 (13.3)	12.4 (6.7)	
Age at diagnosis					
Median (Q1, Q3)	39.0 (26.0, 52.0)	33.0 (25.0, 51.0)	38.0 (26.0, 50.2)	28.5 (20.8, 49.5)	0.437
Mean (SD)	39.3 (15.9)	37.1 (16.3)	38.5 (18.0)	35.7 (18.8)	-
Disease	I	<u> </u>			I
UC	384 (64.6%)	167 (69.0%)	66 (75.9%)	17 (63.0%)	0.394
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CD	204 (34.3%)	74 (30.6%)	20 (23.0%)	10 (37.0%)	
History of smoking at index pro	cedure				
Yes	53 (11.9%)	20 (10.8%)	11 (17.5%)	2 (9.5%)	0.541
No	394 (88.1%)	165 (89.2%)	52 (82.5%)	19 (90.5%)	
PSC at index					
Yes	82 (18.4%)	42 (22.6%)	21 (33.3%)	6 (28.6%)	0.036
No	82 (18.4%)	144 (77.4%)	42 (66.7%)	15 (71.4%)	
History of random dysplasia at prior surveillance					
HGD	7 (1.6%)	7 (3.8%)	1 (1.6%)	0 (0.0%)	0.319
LGD	69 (15.5%)	21 (11.4%)	8 (12.7%)	1 (4.8%)	-
No dysplasia	370 (83.0%)	157 (84.9%)	54 (85.7%)	20 (95.2%)	
Family History of CRC					
Yes	111 (25.9%)	43 (24.4%)	12 (21.4%)	4 (21.1%)	0.863
No	318 (74.1%)	133 (75.6%)	44 (78.6%)	15 (78.9%)	
Patient characteristics in assoc with histologic inflammation	iation			I	
Risk factors/patient level	Inactive	Mild	Moderate	Severe	P
characteristics	(N = 567)	(N = 301)	(N = 82)	(N = 3)	value
Gender					
Female	230 (40.6%)	107 (35.5%)	29 (35.4%)	0 (0.0%)	0.226

Male	337 (59.4%)	194 (64.5%)	53 (64.6%	3 (100.0%)	
Age at procedure					
Median (Q1, Q3)	59.0 (46.0, 67.0)	55.0 (42.0, 66.0)	49.5 (37.0, 66.2)	37.0 (33.0, 42.5)	<0.001
Mean (SD)	56.4 (14.1)	53.7 (15.1)	50.9 (16.4)	38.0 (9.5)	1
Years since IBD diagnosis		· · ·	· · · ·	· · · ·	
Median (Q1, Q3)	13.3 (7.5, 21.4)	12.7 (6.5, 22.1)	11.5 (6.9, 18.6)	12.2 (7.8, 16.7)	0.883
Mean (SD)	15.6 (11.2)	15.6 (12.1)	14.5 (10.8)	12.2 (12.7)	-
Age at diagnosis					
Median (Q1, Q3)	39.0 (26.0, 53.0)	35.0 (25.0, 48.2)	36.0 (22.2, 51.0)	26.0 (25.5, 26.5)	0.268
Mean (SD)	39.4 (16.0)	37.1 (16.4)	37.8 (17.2)	26.0 (1.4)	-
Disease					
UC	373 (66.5%)	194 (64.5%)	61 (74.4%)	3 (100.0%)	0.400
CD	182 (32.4%)	106 (35.2%)	20 (24.4%)	0 (0.0%)	-
History of smoking at index					
Yes	47 (11.3%)	28 (11.9%)	11 (17.7%)	0 (0.0%)	0.493
Νο	369 (88.7%)	208 (88.1%)	51 (82.3%)	2 (100.0%)	
PSC at index					
Yes	79 (19.0%)	54 (22.9%)	15 (24.2%)	2 (100.0%)	0.025
No	336 (81.0%)	182 (77.1%)	47 (75.8%)	0 (0.0%)	
History of random dysplasia in prior surveillance	· · · · · · · · · · · ·		<i></i>		
HGD	6 (1.4%)	9 (3.8%)	0 (0.0%)	0 (0.0%)	0.115

LGD	53 (12.8%)	41 (17.4%)	6 (9.7%)	0 (0.0%)	
No dysplasia	356 (85.8%)	186 (78.8%)	56 (90.3%)	2 (100.0%)	
Family history of CRC					
Yes	100 (25.1%)	52 (23.2%)	13 (22.8%)	0 (0.0%)	0.801
No	298 (74.9%)	172 (76.8%)	44 (77.2%)	2 (100.0%)	

SD, standard deviation; IBD, inflammatory bowel disease; UC, ulcerative colitis; CD, Crohn's disease; PSC, primary sclerosing cholangitis; HGD, high-grade dysplasia; LGD, low-grade dysplasia; CRC, colorectal cancer.

Supplementary Table 1 Degrees of histologic inflammation. **a** Mild inflammation with neutrophils in epithelium. **b** Moderate inflammation with a crypt abscess. **c** Severe inflammation with multiple crypt abscesses.

